

GARDNER'S

# ART

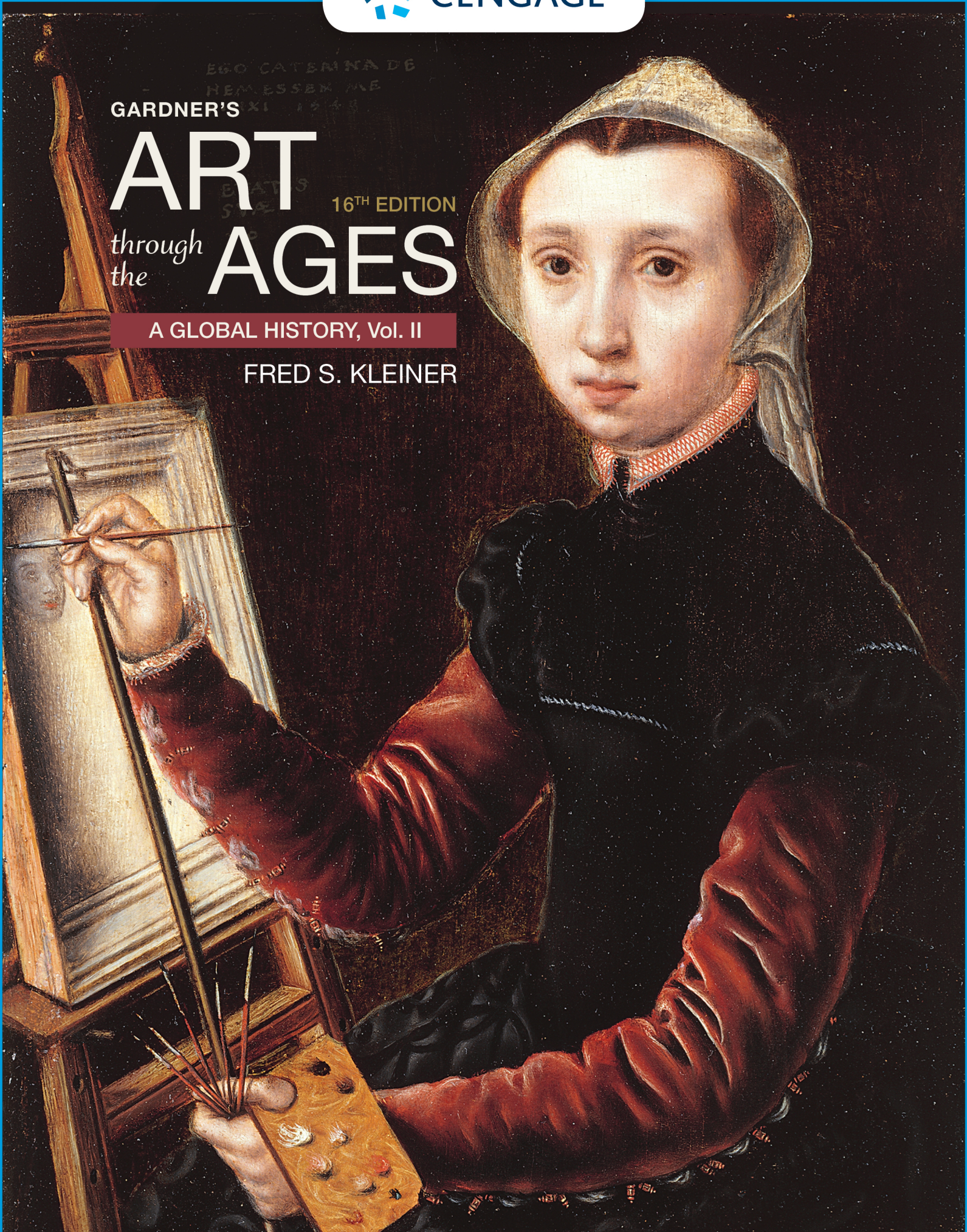
16<sup>TH</sup> EDITION

through the

# AGES

A GLOBAL HISTORY, Vol. II

FRED S. KLEINER





GARDNER'S

**ART** 16<sup>TH</sup> EDITION  
*through  
the* **AGES**



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# ART THROUGH THE AGES

A GLOBAL HISTORY

VOLUME II

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SIXTEENTH EDITION

FRED S. KLEINER



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## ABOUT THE COVER ART



**CATERINA VAN HEMESSEN, *Self-Portrait*, 1548. Oil on wood, 1'  $\frac{3}{4}$ "  $\times$  9'  $\frac{7}{8}$ ". Kunstmuseum Basel, Basel.**

This meticulously painted wood panel by Caterina van Hemessen (1528–1587) is the first known Northern European self-portrait by a woman. The artist signed the work “Caterina van Hemessen painted me / 1548 / her age 20” and confidently presented herself as a painter who interrupts her work at her easel to look toward the viewer. She holds brushes, a palette, and a maulstick (a stick used to steady the hand while painting) in her left hand, and delicately applies pigment to the panel with her right hand. Professional women artists were unusual in 16th-century Europe in large part because of the difficulty in obtaining formal training. Female apprentices, for example, were not permitted to reside in a male master's home or to draw nude models. Caterina was typical in having been taught by her father, Jan Sanders van Hemessen (ca. 1500–1556), a well-known painter in Antwerp who had traveled in Italy in the 1520s. She acquired an enviable reputation for her portraits of women and enjoyed the patronage of Mary, queen consort of Hungary (1505–1558).

We know all this about Caterina van Hemessen from documents of the era, a boon to art historians that is characteristic of Western art since the Renaissance of the 14th century. That is not typical, however, of many periods of the history of art, when artists toiled in anonymity to fulfill the wishes of their patrons, whether Egyptian pharaohs, Roman emperors, or medieval monks. *Art through the Ages* surveys the art of all periods from prehistory to the present, and worldwide, and examines how artworks of all kinds have always reflected the historical contexts in which they were created.

# BRIEF CONTENTS

Preface xii

Before 1300 xvii

## INTRODUCTION

What Is Art History? 1

## CHAPTER 14

Late Medieval Italy 419

## CHAPTER 20

Late Medieval and Early Renaissance Northern Europe 567

## CHAPTER 21

The Renaissance in Quattrocento Italy 593

## CHAPTER 22

Renaissance and Mannerism in Cinquecento Italy 635

## CHAPTER 23

High Renaissance and Mannerism in Northern Europe and Spain 685

## CHAPTER 24

The Baroque in Italy and Spain 711

## CHAPTER 25

The Baroque in Northern Europe 739

## CHAPTER 26

Rococo to Neoclassicism: The 18th Century in Europe and America 771

## CHAPTER 27

Romanticism, Realism, Photography: Europe and America, 1800 to 1870 801

## CHAPTER 28

Impressionism, Post-Impressionism, Symbolism: Europe and America, 1870 to 1900 849

## CHAPTER 29

Modernism in Europe, 1900 to 1945 887

## CHAPTER 30

Modernism in the United States and Mexico, 1900 to 1945 933

## CHAPTER 31

Modernism and Postmodernism in Europe and America, 1945 to 1980 957

## CHAPTER 32

Contemporary Art Worldwide 1003

## CHAPTER 33

South and Southeast Asia, 1200 to 1980 1043

## CHAPTER 34

China and Korea, 1279 to 1980 1059

## CHAPTER 35

Japan, 1333 to 1980 1075

## CHAPTER 36

Native American Cultures, 1300 to 1980 1093

## CHAPTER 37

Oceania before 1980 1113

## CHAPTER 38

Africa, 1800 to 1980 1131

Notes 1150

Glossary 1153

Bibliography 1167

Credits 1182

Index 1188



# CONTENTS

Preface xii  
Before 1300 xvii

## INTRODUCTION

What Is Art History? 1

Art History in the 21st Century 2

Different Ways of Seeing 13

## 14 Late Medieval Italy 419

**FRAMING THE ERA** Duccio di Buoninsegna 419

**TIMELINE** 420

Duecento (13th Century) 420

Trecento (14th Century) 424

■ **ART AND SOCIETY:** Italian Artists' Names 421

■ **RELIGION AND MYTHOLOGY:** The Great Schism, Mendicant Orders, and Confraternities 423

■ **A SECOND OPINION:** Pietro Cavallini 425

■ **MATERIALS AND TECHNIQUES:** Fresco Painting 428

■ **THE PATRON'S VOICE:** Artists' Guilds, Artistic Commissions, and Artists' Contracts 430

■ **ART AND SOCIETY:** Artistic Training in Renaissance Italy 434

■ **PROBLEMS AND SOLUTIONS:** Cityscapes and Landscapes as Allegories 436

■ **MAP 14-1** Italy around 1400 420

**THE BIG PICTURE** 441

## 20 Late Medieval and Early Renaissance Northern Europe 567

**FRAMING THE ERA** Rogier van der Weyden and Saint Luke 567

**TIMELINE** 568

Northern Europe in the 15th Century 568

The French Ducal Courts 568

Flanders 575

France 585

Holy Roman Empire 586

■ **MATERIALS AND TECHNIQUES:** Tempera and Oil Painting 574

■ **A SECOND OPINION:** *Giovanni Arnolfini and His Wife* 577

■ **MATERIALS AND TECHNIQUES:** Framed Paintings 578

■ **ART AND SOCIETY:** The Artist's Profession in Flanders 580

■ **PROBLEMS AND SOLUTIONS:** How to Illustrate Printed Books 589

■ **MATERIALS AND TECHNIQUES:** Engraving and Etching 590

■ **MAP 20-1** France, the duchy of Burgundy, and the Holy Roman Empire in 1477 568

**THE BIG PICTURE** 591

## 21 The Renaissance in Quattrocento Italy 593

**FRAMING THE ERA** The Medici, Botticelli, and Classical Antiquity 593

**TIMELINE** 594

Renaissance Humanism 594

Florence 594

Venice 621

The Princely Courts 624

Milan 632

■ **ARTISTS ON ART:** The *Commentarii* of Lorenzo Ghiberti 596

■ **PROBLEMS AND SOLUTIONS:** Linear Perspective 599

■ **ART AND SOCIETY:** Imitation and Emulation in Renaissance Art 606

■ **ART AND SOCIETY:** Italian Renaissance Family Chapel Endowments 617

■ **ARTISTS ON ART:** Leon Battista Alberti's *On the Art of Building* 620

■ **WRITTEN SOURCES:** The Tomb of Doge Pietro Mocenigo 622

■ **ART AND SOCIETY:** Art in the Princely Courts of Renaissance Italy 625

■ **A SECOND OPINION:** Piero della Francesca's *Flagellation* 627

■ **MAP 21-1** Renaissance Florence 615

**THE BIG PICTURE** 633

## 22 Renaissance and Mannerism in Cinquecento Italy 635

**FRAMING THE ERA** Michelangelo, Pope Julius II, and the Sistine Chapel 635

**TIMELINE** 636

High Renaissance 636

Mannerism 668

Late Renaissance 676

■ **ARTISTS ON ART:** Leonardo and Michelangelo on Painting versus Sculpture 637

■ **MATERIALS AND TECHNIQUES:** Renaissance Drawings 640

■ **WRITTEN SOURCES:** Giorgio Vasari's *Lives* 648

■ **THE PATRON'S VOICE:** The Council of Trent 654

■ **A SECOND OPINION:** Giorgione's *Tempest* 662

■ **ART AND SOCIETY:** Women in the Renaissance Art World 666

■ **ARTISTS ON ART:** Palma il Giovane on Titian 667

■ **PROBLEMS AND SOLUTIONS:** How to Impress a Pope 669

■ **THE PATRON'S VOICE:** Federigo Gonzaga, Giulio Romano, and the Palazzo del Tè 674

■ **PROBLEMS AND SOLUTIONS:** Rethinking the Basilican Church 682

■ **MAP 22-1** Rome with Renaissance and Baroque monuments 656

**THE BIG PICTURE** 683

## 23 High Renaissance and Mannerism in Northern Europe and Spain 685

**FRAMING THE ERA** Netherlandish Mores and the Pursuit of Wealth 685

**TIMELINE** 686

Northern Europe in the 16th Century 686

Germany 686

The Netherlands 697

France 702

Spain 705

■ **RELIGION AND MYTHOLOGY:** Catholic versus Protestant Views of Salvation 691

■ **ART AND SOCIETY:** Witchcraft and the Macabre 693

■ **A SECOND OPINION:** Hieronymus Bosch's *Garden of Earthly Delights* 696

■ **THE PATRON'S VOICE:** Francis I, Royal Art Patron and Collector 703

■ **MAP 23-1** Europe in the early 16th century 688

**THE BIG PICTURE** 709

## 24 The Baroque in Italy and Spain 711

**FRAMING THE ERA** Mystical Drama in a Baroque Chapel 711

**TIMELINE** 712

“Baroque” Art and Architecture 712

Italy 712

Spain and New Spain 729

■ **PROBLEMS AND SOLUTIONS:** Completing Saint Peter's 714

■ **PROBLEMS AND SOLUTIONS:** Rethinking the Church Facade 717

■ **WRITTEN SOURCES:** Giovanni Pietro Bellori on Annibale Carracci and Caravaggio 722

■ **ARTISTS ON ART:** The Letters of Artemisia Gentileschi 725

■ **PROBLEMS AND SOLUTIONS:** How to Make a Ceiling Disappear 728



- **THE PATRON'S VOICE:** Velázquez and Philip IV 733
- **A SECOND OPINION:** Diego Velázquez's *Las Meninas* 734
- **MAP 24-1** Vatican City 713

**THE BIG PICTURE** 737

## 25 The Baroque in Northern Europe 739

**FRAMING THE ERA** International Trade and Art Patronage in the Dutch Republic 739

**TIMELINE** 740

War and Trade in Northern Europe 740

Flanders 741

Dutch Republic 746

France 757

England 767

- **ARTISTS ON ART:** Rubens on *Consequences of War* 743
- **ART AND SOCIETY:** The Art Market in the Dutch Republic 747
- **PROBLEMS AND SOLUTIONS:** Frans Hals's Group Portraits 748
- **MATERIALS AND TECHNIQUES:** Rembrandt's Use of Light and Shade 751
- **A SECOND OPINION:** Johannes Vermeer's *Allegory of the Art of Painting* 755
- **ART AND SOCIETY:** The Sun King's Palace at Versailles 759
- **ARTISTS ON ART:** Poussin's Notes for a Treatise on Painting 762
- **MAP 25-1** Europe in 1648 after the Peace of Westphalia 740

**THE BIG PICTURE** 769

## 26 Rococo to Neoclassicism: The 18th Century in Europe and America 771

**FRAMING THE ERA** The Enlightenment, Angelica Kauffman, and Neoclassicism 771

**TIMELINE** 772

A Century of Revolutions 772

Rococo 772

The Enlightenment 778

"Natural" Art 781

Neoclassicism 789

- **WRITTEN SOURCES:** Femmes Savantes and Salon Culture 773

- **ART AND SOCIETY:** Joseph Wright of Derby and the Industrial Revolution 780

- **WRITTEN SOURCES:** Diderot on Chardin and Boucher 782

- **ART AND SOCIETY:** Vigée Le Brun, Labille-Guiard, and the French Royal Academy 784

- **ART AND SOCIETY:** Grand Manner Portraiture 786

- **ART AND SOCIETY:** The Grand Tour and Veduta Painting 788

- **ART AND SOCIETY:** The Excavations of Herculaneum and Pompeii 790

- **WRITTEN SOURCES:** Winckelmann and the History of Classical Art 791

- **ARTISTS ON ART:** Jacques-Louis David on Greek Style and Public Art 792

- **ART AND SOCIETY:** Hagley Park and English Picturesque Gardens 795

- **THE PATRON'S VOICE:** Thomas Jefferson, Patron and Practitioner 797

**THE BIG PICTURE** 799

## 27 Romanticism, Realism, Photography: Europe and America, 1800 to 1870 801

**FRAMING THE ERA** Napoleon in Jaffa 801

**TIMELINE** 802

Political, Industrial, and Artistic Revolutions 802

Art under Napoleon 803

Romanticism 808

Realism 822

Architecture 836

Photography 842

- **THE PATRON'S VOICE:** The Coronation of Napoleon 805

- **ART AND SOCIETY:** The Romantic Spirit in Art, Music, and Literature 813

- **WRITTEN SOURCES:** Friedrich's *Wanderer above a Sea of Mist* 817

- **ARTISTS ON ART:** John Constable on Landscape Painting 818

- **PROBLEMS AND SOLUTIONS:** Unleashing the Emotive Power of Color 819

- **ARTISTS ON ART:** Thomas Cole on the American Landscape 820

- **ARTISTS ON ART:** Gustave Courbet on Realism 823

- **MATERIALS AND TECHNIQUES:** Lithography 826

- **A SECOND OPINION:** Edmonia Lewis's *Forever Free* 834

- **PROBLEMS AND SOLUTIONS:** What Should a Museum Look Like? 836
- **PROBLEMS AND SOLUTIONS:** Prefabricated Architecture 841
- **MATERIALS AND TECHNIQUES:** Daguerreotypes, Calotypes, and Wet-Plate Photography 842
- MAP 27-1 The Napoleonic Empire in 1812 802
- MAP 27-2 Europe around 1850 803
- THE BIG PICTURE 847

## 28 Impressionism, Post-Impressionism, Symbolism: Europe and America, 1870 to 1900 849

FRAMING THE ERA Impressions of Modern Life 849

TIMELINE 850

Industrialization and Modernism 850

Impressionism 850

Post-Impressionism 860

Symbolism 871

Sculpture 876

Decorative Arts and Architecture 878

- **PROBLEMS AND SOLUTIONS:** Painting Impressions of Light and Color 851
- **ART AND SOCIETY:** Academic Salons and Independent Art Exhibitions 853
- **ARTISTS ON ART:** Renoir on the Art of Painting 856
- **A SECOND OPINION:** Manet at the Folies-Bergère 857
- **ART AND SOCIETY:** Japonisme 858
- **ARTISTS ON ART:** Whistler on “Artistic Arrangements” 859
- **ART AND SOCIETY:** Women Impressionists 860
- **MATERIALS AND TECHNIQUES:** Pointillism and 19th-Century Color Theory 863
- **ARTISTS ON ART:** The Letters of Vincent van Gogh 865
- **ARTISTS ON ART:** Gauguin on *Where Do We Come From?* 867
- **PROBLEMS AND SOLUTIONS:** Making Impressionism Solid and Enduring 869
- **WRITTEN SOURCES:** Albert Aurier on Symbolism 870
- **PROBLEMS AND SOLUTIONS:** Painting Psychic Life 874
- **ARTISTS ON ART:** Rodin on Movement in Art and Photography 876
- **ART AND SOCIETY:** The Arts and Crafts Movement 879
- **PROBLEMS AND SOLUTIONS:** The First Skyscrapers 883

MAP 28-1 France around 1870 with towns along the Seine 852

THE BIG PICTURE 885

## 29 Modernism in Europe, 1900 to 1945 887

FRAMING THE ERA Picasso Disrupts the Western Pictorial Tradition 887

TIMELINE 888

Global Upheaval and Artistic Revolution 888

Fauvism 889

German Expressionism 891

Cubism 895

Orphism and the Machine Aesthetic 902

Futurism 904

Dada 906

Suprematism and Constructivism 910

Neue Sachlichkeit 912

Surrealism 915

De Stijl 922

Sculpture 923

Architecture 926

- **ARTISTS ON ART:** Henri Matisse on Color 890
- **ART AND SOCIETY:** Science and Art in the Early 20th Century 893
- **ART AND SOCIETY:** Gertrude and Leo Stein and the Avant-Garde 896
- **ART AND SOCIETY:** Primitivism and Colonialism 897
- **ARTISTS ON ART:** Pablo Picasso on Cubism 899
- **PROBLEMS AND SOLUTIONS:** Delaunay, Orphism, and the Representation of Modern Life 903
- **PROBLEMS AND SOLUTIONS:** Léger, the Machine Aesthetic, and the Representation of Modern Life 904
- **ARTISTS ON ART:** Futurist Manifestos 905
- **A SECOND OPINION:** Hannah Höch’s Dada Photomontage 909
- **WRITTEN SOURCES:** André Breton’s *First Surrealist Manifesto* 916
- **ART AND SOCIETY:** Degenerate Art 918
- **ARTISTS ON ART:** Piet Mondrian on Neoplasticism 922
- **ARTISTS ON ART:** Brancusi, Hepworth, and Moore on Abstract Sculpture 924



■ **ARTISTS ON ART:** Walter Gropius and the Bauhaus 928

MAP 29-1 Europe at the end of World War I 888

THE BIG PICTURE 931

## 30 Modernism in the United States and Mexico, 1900 to 1945 933

FRAMING THE ERA Aaron Douglas, Europe, Africa, and America 933

TIMELINE 934

American Art at the Turn of the Century 934

Painting 934

Photography and Sculpture 947

Architecture 950

■ **ART AND SOCIETY:** The Armory Show 935

■ **ART AND SOCIETY:** Art “Matronage” in the United States 938

■ **ART AND SOCIETY:** Jacob Lawrence’s *Migration of the Negro* 942

■ **A SECOND OPINION:** Grant Wood’s *American Gothic* 943

■ **ARTISTS ON ART:** Diego Rivera on Art for the People 945

■ **ARTISTS ON ART:** Alfred Stieglitz on “Straight Photography” 947

■ **THE PATRON’S VOICE:** The Museum of Modern Art as Collector and Patron 951

■ **ARTISTS ON ART:** Frank Lloyd Wright on Organic Architecture 953

THE BIG PICTURE 955

## 31 Modernism and Postmodernism in Europe and America, 1945 to 1980 957

FRAMING THE ERA After Modernism: Postmodernist Architecture 957

TIMELINE 958

The Aftermath of World War II 958

Painting, Sculpture, and Photography 958

Architecture and Site-Specific Art 987

Performance and Conceptual Art and New Media 995

■ **ARTISTS ON ART:** Jean Dubuffet on Crude Art 960

■ **WRITTEN SOURCES:** Greenbergian Formalism 962

■ **ARTISTS ON ART:** Jackson Pollock on Easel and Mural Painting 963

■ **ARTISTS ON ART:** Helen Frankenthaler on Color-Field Painting 968

■ **ARTISTS ON ART:** David Smith on Outdoor Sculpture 970

■ **ARTISTS ON ART:** Donald Judd on Sculpture and Industrial Materials 971

■ **ART AND SOCIETY:** Pop Art and Consumer Culture 974

■ **ARTISTS ON ART:** Roy Lichtenstein on Pop Art and Comic Books 976

■ **ARTISTS ON ART:** James Rosenquist on *F-111* 978

■ **ARTISTS ON ART:** Chuck Close on Photorealist Portrait Painting 980

■ **ART AND SOCIETY:** Robert Frank’s *The Americans* 982

■ **ARTISTS ON ART:** Judy Chicago on *The Dinner Party* 984

■ **PROBLEMS AND SOLUTIONS:** Robert Venturi and Postmodernist Complexity and Contradiction 991

■ **ARTISTS ON ART:** Philip Johnson on Postmodern Architecture 992

■ **A SECOND OPINION:** The Portland Building 993

■ **ARTISTS ON ART:** Robert Smithson on *Spiral Jetty* 994

■ **ARTISTS ON ART:** Carolee Schneemann on Painting, Performance Art, and Art History 996

■ **PROBLEMS AND SOLUTIONS:** Rethinking “Art”: Conceptual Art 998

THE BIG PICTURE 1001

## 32 Contemporary Art Worldwide 1003

FRAMING THE ERA Art as Sociopolitical Message 1003

TIMELINE 1004

Art Today 1004

Personal and Group Identity 1004

Political and Social Commentary 1013

Representation and Abstraction 1017

Electronic and Digital Media 1026

Installation and Site-Specific Art 1027

Architecture 1034

■ **ART AND SOCIETY:** Public Funding of Controversial Art 1009

■ **ARTISTS ON ART:** Shirin Neshat on Iran after the Revolution 1012

■ **ARTISTS ON ART:** Leon Golub on *Mercenaries* 1014

■ **ART AND SOCIETY:** Damien Hirst’s *Wreck of the Unbelievable* 1020

- **MATERIALS AND TECHNIQUES:** Rethinking the Shape of Painting 1023
- **ART AND SOCIETY:** Maya Lin's Vietnam Veterans Memorial 1031
- **A SECOND OPINION:** Richard Serra's *Tilted Arc* 1033
- **ARTISTS ON ART:** Frank Gehry on Architectural Design and Materials 1037
- **PROBLEMS AND SOLUTIONS:** Norman Foster, the Gherkin, and Green Architectural Design 1040

**THE BIG PICTURE** 1041

## 33 South and Southeast Asia, 1200 to 1980 1043

**FRAMING THE ERA** Painting at the Mughal Imperial Court 1043

**TIMELINE** 1044

India 1044

Southeast Asia 1053

- **THE PATRON'S VOICE:** The Qutb Minar and the Triumph of Islam 1045
- **MATERIALS AND TECHNIQUES:** Indian Miniature Painting 1047
- **WRITTEN SOURCES:** Abd al-Hamid Lahori on the Taj Mahal 1049
- **PROBLEMS AND SOLUTIONS:** Victoria Terminus as Cathedral of Modernization 1051

**MAP 33-1** South and Southeast Asia, 1200 to 1980 1044

**THE BIG PICTURE** 1057

## 34 China and Korea, 1279 to 1980 1059

**FRAMING THE ERA** The Son of Heaven and the Forbidden City 1059

**TIMELINE** 1060

China 1060

Korea 1071

- **MATERIALS AND TECHNIQUES:** Calligraphy and Inscriptions on Chinese Paintings 1061
- **MATERIALS AND TECHNIQUES:** Chinese Porcelain 1063
- **PROBLEMS AND SOLUTIONS:** Planning an Unplanned Garden 1065
- **MATERIALS AND TECHNIQUES:** Lacquered Wood 1066

**MAP 34-1** China during the Ming dynasty 1060

**THE BIG PICTURE** 1073

## 35 Japan, 1333 to 1980 1075

**FRAMING THE ERA** Famous Views of Edo 1075

**TIMELINE** 1076

Muromachi 1076

Momoyama 1079

Edo 1083

Meiji and Showa 1088

- **RELIGION AND MYTHOLOGY:** Zen Buddhism 1077
- **WRITTEN SOURCES:** Sesshu Toyo 1078
- **A SECOND OPINION:** The Rock Garden of Ryoanji 1079

■ **ART AND SOCIETY:** The Japanese Tea Ceremony 1082

■ **MATERIALS AND TECHNIQUES:** Japanese Woodblock Prints 1086

**MAP 35-1** Modern Japan 1076

**THE BIG PICTURE** 1091

## 36 Native American Cultures, 1300 to 1980 1093

**FRAMING THE ERA** The Founding of Tenochtitlán 1093

**TIMELINE** 1094

Mesoamerica 1094

South America 1099

North America 1102

- **MATERIALS AND TECHNIQUES:** Mesoamerican Illustrated Books 1095
- **RELIGION AND MYTHOLOGY:** Aztec Religion 1097
- **PROBLEMS AND SOLUTIONS:** Inka Record-Keeping and the Khipu 1100
- **ART AND SOCIETY:** Gender Roles in Native American Art 1104
- **ART AND SOCIETY:** Kwakwaka'wakw Transformation Masks 1106

**MAP 36-1** Mixteca-Puebla and Aztec sites in Mesoamerica 1094

**MAP 36-2** Inka sites in Andean South America 1099

**MAP 36-3** Later Native American sites in North America 1103

**THE BIG PICTURE** 1111

## 37 Oceania before 1980 1113

**FRAMING THE ERA** Maori Men's Meeting Houses 1113

**TIMELINE** 1114

Island Cultures of the South Pacific 1114

Australia and Melanesia 1115

Micronesia 1121

Polynesia 1123

■ **ART AND SOCIETY:** Asmat Headhunting and Bisj Poles 1116

■ **ART AND SOCIETY:** Women's Roles in Oceania 1122

■ **A SECOND OPINION:** The Moai of Rapa Nui 1123

■ **MATERIALS AND TECHNIQUES:** Tongan Barkcloth 1124

■ **ART AND SOCIETY:** Tattoo in Polynesia 1125

■ **MAP 37-1** Oceania 1114

**THE BIG PICTURE** 1129

 **38 Africa, 1800 to 1980** 1131

**FRAMING THE ERA** Honoring Leaders and Ancestors 1131

**TIMELINE** 1132

Africa, 1800 to 1980 1132

Ancestors and Spirits 1133

Leadership and Royalty 1136

Rituals and Masquerades 1141

Costume and Body Art 1146

Contemporary Art 1148

■ **ART AND SOCIETY:** African Artists and Apprentices 1137

■ **ART AND SOCIETY:** Gender Roles in African Art Production 1141

■ **ART AND SOCIETY:** African Masquerades 1143

■ **ART AND SOCIETY:** Mende Women as Maskers 1146

■ **MAP 38-1** Africa in the early 21st century 1132

**THE BIG PICTURE** 1149

Notes 1150

Glossary 1153

Bibliography 1167

Credits 1182

Index 1188



# PREFACE

I take great pleasure in introducing the extensively revised and expanded 16th edition of *Gardner's Art through the Ages: A Global History*, which, like the 15th edition, is a hybrid art history textbook—the first, and still the only, introductory survey of the history of art of its kind. This innovative new kind of “Gardner” retains all of the best features of traditional books on paper while harnessing 21st-century technology to increase by 25% the number of works examined—without increasing the size or weight of the book itself and at only nominal additional cost to students.

When Helen Gardner published the first edition of *Art through the Ages* in 1926, she could not have imagined that nearly a century later, instructors all over the world would still be using her textbook (available even in a new Chinese edition, the third time this classic textbook has been translated into Chinese) in their classrooms. Indeed, if she were alive today, she would not recognize the book that, even in its traditional form, long ago became—and remains—the world's most widely read introduction to the history of art and architecture. I hope that instructors and students alike will agree that this new edition lives up to the venerable Gardner tradition and even exceeds their high expectations.

The 16th edition follows the 15th in incorporating an innovative new online component called MindTap™, which includes, in addition to a host of other features (enumerated below), MindTap Bonus Images (with zoom capability) and descriptions of more than 300 additional important works of all eras, from prehistory to the present and worldwide. The printed and online components of the hybrid 16th edition are very closely integrated. For example, each MindTap Bonus Image appears as a thumbnail in the traditional textbook, with abbreviated caption, to direct readers to MindTap for additional content, including an in-depth discussion of each image. The integration extends also to the maps, index, glossary, and chapter summaries, which seamlessly merge the printed and online information.

## KEY FEATURES OF THE 16TH EDITION

In this new edition, in addition to revising the text of every chapter to incorporate the latest research and methodological developments and dividing the former chapter on European and American art from 1900 to 1945 into two chapters, I have added several important features while retaining the basic format and scope of the previous edition. Once again, the hybrid Gardner boasts roughly 1,700 photographs, plans, and drawings, nearly all in color and reproduced according to the highest standards of clarity and color fidelity,

including hundreds of new images, among them a new series of superb photos taken by Jonathan Poore exclusively for *Art through the Ages* during a photographic campaign in England in 2016 (following similar forays into France, Tuscany, Rome, and Germany for the 14th and 15th editions). MindTap also includes custom videos made on these occasions at each site by Sharon Adams Poore. This extraordinary proprietary Cengage archive of visual material ranges from ancient temples and aqueducts in Rome and France; to medieval, Renaissance, and Baroque churches in England, France, Germany, and Italy and 18th-century landscape architecture in England; to such postmodern masterpieces as the Pompidou Center and the Louvre Pyramide in Paris, the Neue Staatsgalerie in Stuttgart, and the Gherkin in London. The 16th edition also features the highly acclaimed architectural drawings of John Burge prepared exclusively for Cengage, as well as Google Earth coordinates for all buildings and sites and all known provenances of portal objects. Together, these exclusive photographs, videos, and drawings provide readers with a visual feast unavailable anywhere else.

Once again, scales accompany the photograph of every painting, statue, or other artwork discussed—another innovative feature of the Gardner text. The scales provide students with a quick and effective way to visualize how big or small a given artwork is and its relative size compared with other objects in the same chapter and throughout the book—especially important given that the illustrated works vary in size from tiny to colossal.

Also retained in this edition are the Quick-Review Captions (brief synopses of the most significant aspects of each artwork or building illustrated) that students have found invaluable when preparing for examinations. These extended captions accompany not only every image in the printed book but also all the digital images in MindTap, where they are also included in a set of interactive electronic flashcards. Each chapter also again ends with the highly popular full-page feature called *The Big Picture*, which sets forth in bullet-point format the most important characteristics of each period or artistic movement discussed in the chapter. Also retained from the 15th edition are the timelines summarizing the major artistic and architectural developments during the era treated (again in bullet-point format for easy review) and a chapter-opening essay called *Framing the Era*, which discusses a characteristic painting, sculpture, or building and is illustrated by four photographs.

Another pedagogical tool not found in any other introductory art history textbook is the *Before 1300* section that appears at the beginning of the second volume of the paperbound version of the book. Because many students taking the second half of a survey course will not have access to Volume I, I have provided a special (expanded) set of concise primers on architectural terminology

and construction methods in the ancient and medieval worlds, and on mythology and religion—information that is essential for understanding the history of art after 1300 in both the West and the East. The subjects of these special essays are Greco-Roman Temple Design and the Classical Orders; Arches and Vaults; Basilican Churches; Central-Plan Churches; the Gods and Goddesses of Mount Olympus; the Life of Jesus in Art; Early Christian Saints and Their Attributes; Buddhism and Buddhist Iconography; and Hinduism and Hindu Iconography. *Before 1300* also is included in MindTap for all courses.

Feature boxes once again appear throughout the book as well. These features fall under nine broad categories, one of which is new to the 16th edition:

*Architectural Basics* boxes provide students with a sound foundation for the understanding of architecture. These discussions are concise explanations, with drawings and diagrams, of the major aspects of design and construction. The information included is essential to an understanding of architectural technology and terminology.

*Materials and Techniques* essays explain the various media that artists have employed from prehistoric to modern times. Because materials and techniques often influence the character of artworks, these discussions contain essential information on why many monuments appear as they do.

*Religion and Mythology* boxes introduce students to the principal elements of the world's great religions, past and present, and to the representation of religious and mythological themes in painting and sculpture of all periods and places. These discussions of belief systems and iconography give readers a richer understanding of some of the greatest artworks ever created.

*Art and Society* essays treat the historical, social, political, cultural, and religious context of art and architecture. In some instances, specific monuments are the basis for a discussion of broader themes.

*Written Sources* boxes present and discuss key historical documents illuminating important monuments of art and architecture throughout the world. The passages quoted permit voices from the past to speak directly to the reader, providing vivid and unique insights into the creation of artworks in all media.

In the *Artists on Art* boxes, artists and architects throughout history discuss both their theories and individual works.

*The Patron's Voice* essays underscore the important roles played by the individuals and groups who paid for the artworks and buildings in determining the character of those monuments.

*Problems and Solutions* essays are designed to make students think critically about the decisions that went into the making of every painting, sculpture, and building from the Old Stone Age to the present. These discussions address questions of how and why various forms developed; the problems that painters, sculptors, and architects confronted; and the solutions they devised to resolve them.

New to the 16th edition are boxes titled *A Second Opinion*, in which an individual work of art that is the subject of current debate or has recently been reinterpreted is discussed. These essays underscore for students that the history of art and architecture is not a static discipline and that scholars are constantly questioning and rethinking traditional interpretations of paintings, sculptures, and buildings.

Other noteworthy features retained from the 15th edition are the extensive (updated) bibliography of books in English; a glossary containing definitions of all italicized terms introduced in both the printed and online texts; and a complete museum index listing all illustrated artworks by their present location. The host of state-of-the-art resources in the 16th edition version of MindTap for *Art through the Ages* are enumerated on page xxix).

## ACKNOWLEDGMENTS

A work as extensive as a global history of art could not be undertaken or completed without the counsel of experts in all areas of world art. As with previous editions, Cengage has enlisted dozens of art historians to review every chapter of *Art through the Ages* in order to ensure that the text lives up to the Gardner reputation for accuracy as well as readability. I take great pleasure in acknowledging here the important contributions to the 16th edition made by the following: Bradley Bailey, Saint Louis University; Amy Bloch, University at Albany; Anne-Marie Bouché, Florida Gulf Coast University; Betty Brownlee, Macomb Community College; Caroline Bruzelius, Duke University; Petra Chu, Seton Hall University; Kathy Curnow, Cleveland State University; Paola Demattè, Rhode Island School of Design; Sarah Dillon, Kingsborough City College, City University of New York; Eduardo de Jesús Douglas, University of North Carolina-Chapel Hill; Sonja Drimmer, University of Massachusetts Amherst; Ingrid Furniss, Lafayette College; Karen Hope Goodchild, Wofford College; Christopher Gregg, George Mason University; Melinda Hartwig, Emory University; Joe Hawkins, Hagley Park; Peter Holliday, California State University, Long Beach; Craig Houser, City College of New York/City University of New York; Margaret Jackson, University of New Mexico; Mark J. Johnson, Brigham Young University; Lynn Jones, Florida State University; Tanja L. Jones, University of Alabama Tuscaloosa; Nancy Klein, Texas A&M; Peri Klemm, California State University, Northridge; Yu Bong Ko, Dominican College; Paul Lavy, University of Hawai'i at Manoa; John Listopad, California State University, Sacramento; Gary Liu Jr., University of Hawaii at Manoa; Nancy Bea Miller, Montgomery County Community College; Michelle Moseley-Christian, Virginia Tech University; Evan Neely, Pratt Institute; Huiping Pang, University of Iowa; Benjamin Paul, Rutgers University; Julie-Anne Plax, University of Arizona; Stephanie Porras, Tulane University; Sharon Pruitts, East Carolina University; Kurt Rahmlow, University of North Texas; Julie Risser, Minneapolis College of Art and Design; Robyn Roslak, University of Minnesota-Duluth; Susan Elizabeth Ryan, Louisiana State University; Nicholas Sawicki, Lehigh University; Nancy Serwint, Arizona State University; Kerri Cox Sullivan, University of Texas, Austin; James R. Swensen, Brigham Young University; David S. Whitley, University of California, Los Angeles/ASM Affiliates; Margaret L. Woodhull, University of Colorado Denver.

I am especially indebted to the following for creating the instructor and student materials for the 16th edition: Anne McClanan, Portland State University; Kerri Cox Sullivan, University of Texas, Austin.

I am also happy to have this opportunity to express my gratitude to the extraordinary group of people at Cengage involved with the editing, production, and distribution of *Art through the Ages*. Some of them I have now worked with on various projects for two decades and feel privileged to count among my friends. The success of the Gardner series in all of its various permutations depends in no small part on the expertise and unflagging commitment of these dedicated professionals, especially Vanessa Manter, senior product manager; Laura Hildebrand, senior content manager; Lianne Ames, senior content manager; Paula Dohnal, learning designer; Ann Hoffman, intellectual property analyst; Betsy Hathaway, senior intellectual property project manager; Laura Kuhlman, marketing manager; Sarah Cole, senior designer; as well as Sharon Adams Poore, former product manager for art; Cate Barr, former senior art director; Jillian Borden,

former senior marketing manager; and Sayaka Kawano, former product assistant. I also express my deep gratitude to the incomparable group of learning consultants who have passed on to me the welcome advice offered by the hundreds of instructors they speak to daily.

It is a special pleasure also to acknowledge my debt to the following out-of-house contributors to the 16th edition: the peerless quarterback of the entire production process, Joan Keyes, Dove-tail Publishing Services; Michele Jones, copy editor extraordinaire; Susan Gall, eagle-eyed proofreader; Alisha Webber, text and cover designer; Lumina Datamatics, photo researchers; Jay and John Crowley, Jay's Publisher Services; Cenveo Publisher Services; and Jonathan Poore and John Burge, for their superb photos and architectural drawings.

I conclude this long (but no doubt incomplete) list of acknowledgments with an expression of gratitude to my colleagues at Boston University and to the thousands of students and hundreds of teaching fellows in my art history courses since I began teaching in 1975. From them I have learned much that has helped determine the form and content of *Art through the Ages* and made it a much better book than it otherwise might have been.

Fred S. Kleiner

## CHAPTER-BY-CHAPTER CHANGES IN THE 16TH EDITION

The 16th edition is extensively revised and expanded, as detailed below. Instructors will find a very helpful figure number transition guide on the online instructor companion site.

**Introduction: What Is Art History?** Added the head of the portrait of Augustus as pontifex maximus from the Via Labicana, Rome.

**14: Late Medieval Italy.** New Framing the Era essay “Duccio di Buoninsegna.” New A Second Opinion essay “Pietro Cavallini.” New Problems and Solutions essay “Cityscapes and Landscapes as Allegories.” Two new photographs of Pietro Cavallini’s *Last Judgment* in Santa Cecilia in Trastevere.

**20: Late Medieval and Early Renaissance Northern Europe.** Reorganized discussion of artworks with three new chapter sections: the French Ducal Courts; Flanders; and France and the Holy Roman Empire. Added Jacques de Baerze’s *Retable de Champmol*. New A Second Opinion essay “Jan van Eyck’s *Giovanni Arnolfini and His Wife*.” New photograph of the full *Altarpiece of the Holy Sacrament* by Dieric Bouts.

**21: The Renaissance in Quattrocento Italy.** New A Second Opinion essay “Piero della Francesca’s *Flagellation*.”

**22: Renaissance and Mannerism in Cinquecento Italy.** Reorganization of the chapter to place the discussion of Mannerism between the sections on the High and Late Renaissance, and to discuss together all the works of Michelangelo created at different phases of his career. Added Sebastiano del Piombo’s *Polyphemos*. New A Second Opinion essay “Giorgione’s *Tempest*.” New photographs of Michelangelo’s *Bound Slave*, the courtyard of the Palazzo Farnese in Rome, the Villa Rotonda at Vicenza, and the Palazzo del Tè at Mantua (aerial view).

**23: High Renaissance and Mannerism in Northern Europe and Spain.** Added the Gallery of Francis I in the Château of Fontainebleau. New Framing the Era essay “Netherlandish Mores and the

Pursuit of Wealth.” New A Second Opinion essay “Hieronymus Bosch’s *Garden of Earthly Delights*.”

**24: The Baroque in Italy and Spain.** Added Caravaggio’s *The Taking of Christ*. New Framing the Era essay “Mystical Drama in a Baroque Chapel.” New A Second Opinion essay “Diego Velázquez’s *Las Meninas*.” New photographs of Bernini’s *Ecstasy of Saint Teresa*, Carlo Maderno’s east facade of Saint Peter’s in the Vatican, and Annibale Carracci’s *Loves of the Gods* ceiling fresco in the Palazzo Farnese in Rome.

**25: The Baroque in Northern Europe.** New Framing the Era essay “International Trade and Art Patronage in the Dutch Republic.” New A Second Opinion essay “Johannes Vermeer’s *Allegory of the Art of Painting*.” New photographs of Hals’s *Women Regents of the Old Men’s Home at Haarlem*, Rembrandt’s *Night Watch*, and Pous-sin’s *Et in Arcadia Ego*.

**26: Rococo to Neoclassicism: The 18th Century in Europe and America.** Added St Martin-in-the-Fields in London, the rotunda and sham medieval castle at Hagley Park, and the temple of Apollo at Stourhead Park. New Art and Society essay “Hagley Park and English Picturesque Gardens.” New photographs of the Salon de la Princesse in Paris, the iron bridge at Coalbrookdale, Chiswick House near London, the Temple of Theseus at Hagley Park, the lake and Pantheon at Stourhead Park, and the Rotunda and Lawn of the University of Virginia in Charlottesville.

**27: Romanticism, Realism, Photography: Europe and America, 1800 to 1870.** Extensive text revisions. Added Smirke’s St. Mary’s in Bryanston Square in London, Nash’s Marble Arch in London, and Burton and Turner’s Palm House at Kew Gardens. New Framing the Era essay “Napoleon in Jaffa.” New A Second Opinion essay “Edmonia Lewis’s *Forever Free*.” New photographs of the stained-glass windows of the Houses of Parliament in London and of the exterior of the Bibliothèque Sainte-Geneviève in Paris.

**28: Impressionism, Post-Impressionism, Symbolism: Europe and America, 1870 to 1900.** New Framing the Era essay “Impressions of Modern Life.” New A Second Opinion essay “Manet at the Folies-Bergère.” New photographs of Rodin’s *Burghers of Calais*, the Eiffel Tower in Paris, and Gaudí’s Casa Milá in Barcelona.

**29: Modernism in Europe, 1900 to 1945.** The chapter in the 15th edition on European and American modernism from 1900 to 1945 has been divided into two chapters, the first on developments in Europe and the second on the art and architecture of the same period in the United States and Mexico. Added André Derain’s *The Turning Road, L’Estaque*. New A Second Opinion essay “Hannah Höch’s Dada Photomontage.” New timeline and Big Picture. New photographs of Picasso’s *Guitar* and Duchamp’s *Large Glass*.

**30: Modernism in the United States and Mexico, 1900 to 1945.** In this new independent chapter on art and architecture in the United States and Mexico from 1900 to 1945, the discussion of American art has been significantly reorganized and divided by medium: painting, photography, sculpture, and architecture. Added Stuart Davis’s *Hot Still-Scape for Six Colors—7th Avenue Style*. New Framing the Era essay “Aaron Douglas, Europe, Africa, and America.” New A Second Opinion essay “Grant Wood’s *American Gothic*.” New timeline and Big Picture. New photographs of Marcel Duchamp’s *Nude Descending a Staircase No. 2*, Alfred Stieglitz’s *The Steerage*, and Frank Lloyd Wright’s Robie House in Chicago.

**31: Modernism and Postmodernism in Europe and America, 1945 to 1980.** Added Mark Rothko’s *No. 10*, Louise Nevelson’s



*Sky Cathedral*, and Robert Frank's *Trolley, New Orleans*. New Art and Society essay "Robert Frank's *The Americans*." New A Second Opinion essay "The Portland Building." New Artists on Art essay "Robert Smithson on *Spiral Jetty*."

**32: Contemporary Art Worldwide.** Added *De Style* by Kerry James Marshall, *Subway Graffiti #3* by Faith Ringgold, *Big Alagba and Sekibo* by Sokari Douglas Camp, *Hydra and Kali* by Damien Hirst, and *Shibboleth* by Doris Salcedo. New Art and Society essay "Damien Hirst's *Wreck of the Unbelievable*." New photographs of Maya Lin's Vietnam Veterans Memorial, the interior and exterior of Norman Foster's HSBC headquarters in Hong Kong, and Foster's Gherkin tower in London.

**33: South and Southeast Asia, 1200 to 1980.** Expanded discussion of Southeast Asia. Added Wat Chai Wattanaram at Ayutthaya and Pha That Luang at Vientiane. New photographs of the Qutb Minar and Alai Darvaza at Delhi, Victoria Terminus at Mumbai, the Wat Benchamabophit walking Buddha, the *Emerald Buddha* in Bangkok, and the Schwedagon Pagoda at Rangoon.

**34: China and Korea, 1279 to 1980.** Revised discussion of several artworks and boxed essays. New photographs of the Noon Gate,

the Hall of Supreme Harmony, and the imperial throne room of the Forbidden City, and of the Garden of the Master of the Fishing Nets at Suzhou.

**35: Japan, 1333 to 1980.** New Framing the Era essay "Famous Views of Edo." New A Second Opinion essay "The Rock Garden of Ryōanji."

**36: Native American Cultures, 1300 to 1980.** Added a San Ildefonso jar by María Montoya Martínez in Houston. New Framing the Era essay "The Founding of Tenochtitlán." New Materials and Techniques essay "Mesoamerican Illustrated Books." New photographs of the *Borgia Codex* and the Temple of the Sun (Santo Domingo) at Cuzco.

**37: Oceania before 1980.** Added a New Ireland tatanua helmet mask in Houston and the Maori Runanga meeting house at Waitangi. New Art and Society essay "Asmat Headhunting and Bisj Poles." New A Second Opinion essay "The Moai of Rapa Nui." New photographs of details of the Turanga whareniui at Poverty Bay.

**38: Africa, 1800 to 1980.** Added a Kota mbulu ngulu in Boston, a Dan ceremonial spoon in Houston, and a Samburu "Beautiful Lady" dance mask in a private collection. New photograph of Samburu masked dancers.

## ABOUT THE AUTHOR

### Fred S. Kleiner



**FRED S. KLEINER** (Ph.D., Columbia University) has been the author or coauthor of *Gardner's Art through the Ages* beginning with the 10th edition in 1995. He has also published more than a hundred books, articles, and reviews on Greek and Roman art and architecture, including *A History of Roman Art*, also published by Cengage Learning. Both *Art through the Ages* and the book on Roman art have been awarded Texty prizes as the outstanding college textbook of the year in the humanities and social sciences, in 2001 and 2007, respectively. Professor Kleiner has taught the art history survey course since 1975, first at the University of Virginia and, since 1978, at Boston University, where he is currently professor of the history of art and architecture and classical archaeology and has served as department chair for five terms, most recently from 2005 to 2014. From 1985 to 1998, he was editor-in-chief of the *American Journal of Archaeology*.

Long acclaimed for his inspiring lectures and devotion to students, Professor Kleiner won Boston University's Metcalf Award for Excellence in Teaching as well as the College Prize for Undergraduate Advising in the Humanities in 2002, and he is a two-time winner of the Distinguished Teaching Prize in the College of Arts & Sciences Honors Program. In 2007, he was elected a Fellow of the Society of Antiquaries of London, and, in 2009, in recognition of lifetime achievement in publication and teaching, a Fellow of the Text and Academic Authors Association.



Also by Fred Kleiner: *A History of Roman Art, Second Edition* (Cengage Learning 2018; ISBN 9781337279505), winner of the 2007 Texty Prize for a new college textbook in the humanities and social sciences. In this authoritative and lavishly illustrated volume, Professor Kleiner traces the development of Roman art and architecture from Romulus's foundation of Rome in the eighth century BCE to the death of Constantine in the fourth century CE, with special chapters devoted to Pompeii and Herculaneum, Ostia, funerary and provincial art and architecture, and the earliest Christian art, with an introductory chapter on the art and architecture of the Etruscans and of the Greeks of South Italy and Sicily.

# RESOURCES FOR STUDENTS AND INSTRUCTORS

## MINDTAP FOR ART THROUGH THE AGES

MindTap for *Gardner's Art through the Ages: A Global History*, 16th edition, helps students engage with course content and achieve greater comprehension. Highly personalized, fully online, and completely mobile-optimized, the MindTap learning platform presents authoritative Cengage content, assignments, and services.

### Students

MindTap guides you through your course via a learning path where you can annotate readings and take quizzes. Concepts are brought to life with zoomable versions of close to 1,700 images; videos to reinforce concepts and expand knowledge of particular works or art trends; numerous study tools, including mobile-optimized image flashcards; a glossary complete with an audio pronunciation guide; and more!

### Instructors

You can easily tailor the presentation of each MindTap course and integrate activities into a learning management system. The Resources for Teaching folder in MindTap and the Instructor Companion Site hold resources such as instructions on how to use the online test bank; Microsoft PowerPoint slides with high-resolution images, which can be used as is or customized by importing personal lecture slides or other material; YouTube playlists organized by chapter; course learning objectives; and more.

## MINDTAP MOBILE

*Gardner's Art through the Ages: A Global History*, 16th edition, is now more accessible than ever with the MindTap Mobile App, empowering students to learn on their terms—anytime, anywhere, online or off.

- The MindTap eReader provides convenience as students can read or listen to their eBook on their smartphone, take notes, and highlight important passages.
- Flashcards and quizzing cultivate confidence. Students have instant access to readymade flashcards, study games, and quizzes to engage key concepts and confidently prepare for exams.
- Notifications keep students connected. Due dates are never forgotten with MindTap Mobile course notifications, which push assignment reminders, score updates, and instructor messages directly to students' smartphones.

## LECTURE NOTES & STUDY GUIDES

The Lecture Notes & Study Guide for each chapter is a lecture companion that allows students to take notes alongside the images shown in class. This resource includes reproductions of the images from the reading, with full captions and space for note-taking either on a computer or on a printout. It also includes a chapter summary, key terms list, and learning objectives checklist.

## GOOGLE EARTH

Take a virtual tour of art through the ages! Resources for the 16th edition include Google Earth coordinates for all works, monuments, and sites discussed in the reading, encouraging students to make geographical connections between places and sites. Instructors can use these coordinates to start lectures with a virtual journey to locations all over the globe or take aerial screenshots of important sites to incorporate into lecture materials.

# BEFORE 1300

Students enrolled in the second semester of a yearlong introductory survey of the history of art may not have access to Volume I. Therefore, Volume II of *Art through the Ages: A Global History* open with a special set of concise primers on Greco-Roman and medieval architectural terminology and construction methods and on Greco-Roman, Christian, Buddhist, and Hindu iconography—information that is essential for understanding the history of art and architecture after 1300 both in the West and the East.

## CONTENTS

### ■ ARCHITECTURAL BASICS

Greco-Roman Temple Design and the Classical Orders xviii

Arches and Vaults xx

Basilican Churches xxii

Central-Plan Churches xxiv

### ■ RELIGION AND MYTHOLOGY

The Gods and Goddesses of Mount Olympus xxv

The Life of Jesus in Art xxvi

Early Christian Saints and Their Attributes xxviii

Buddhism and Buddhist Iconography xxx

Hinduism and Hindu Iconography xxxi



## Greco-Roman Temple Design and the Classical Orders

The gable-roofed columnar stone temples of the Greeks and Romans have had more influence on the later history of architecture in the Western world than any other building type ever devised. Many of the elements of classical temple architecture are present in buildings from the Renaissance to the present day.

The basic design principles of Greek and Roman temples and the most important components of the classical orders can be summarized as follows.

- Temple design** The core of a Greco-Roman temple was the *cella*, a room with no windows that usually housed the statue of the god or goddess to whom the shrine was dedicated. Generally, only the priests, priestesses, and chosen few would enter the *cella*. Worshipers gathered in front of the building, where sacrifices occurred at open-air altars. In most Greek temples, for example, the temple erected in honor of Hera or Apollo at Paestum, a *colonnade* was erected all around the *cella* to form a *peristyle*.

By contrast, Roman temples, for example, the Temple of Portunus in Rome, usually have freestanding columns only in a porch at the front of the building. Sometimes, as in the Portunus temple, *engaged* (attached) half-columns adorn three sides of the *cella* to give the building the appearance of a *peripteral* temple. Architectural historians call this a *pseudoperipteral* design. The Greeks and

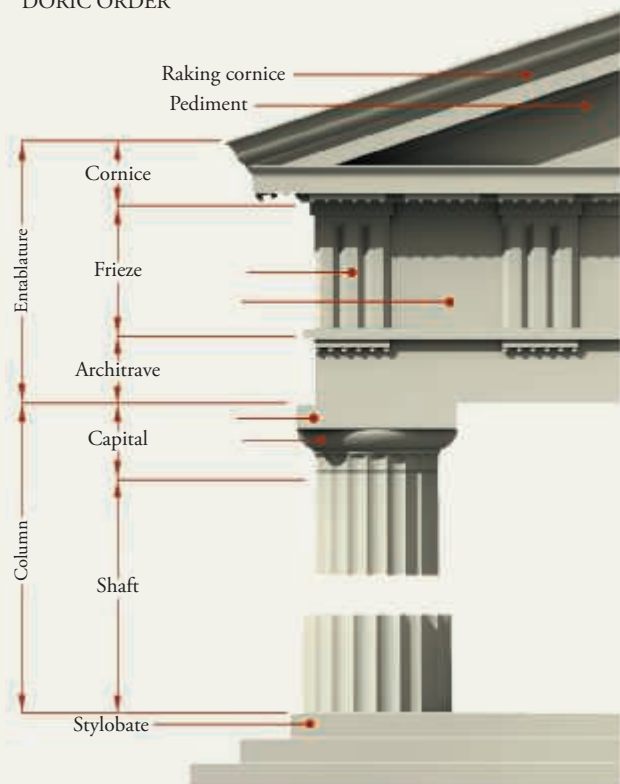
Romans also built round temples (called *tholos* temples), a building type that also had a long afterlife in Western architecture.

- Classical orders** The Greeks developed two basic architectural orders, or design systems: the *Doric* and the *Ionic*. The forms of the columns and *entablature* (superstructure) generally differentiate the orders. Classical columns have two or three parts, depending on the order: the shaft, which is usually marked with vertical channels (*flutes*); the *capital*; and, in the Ionic order, the *base*. The Doric capital consists of a round *echinus* beneath a square abacus block. Spiral *volute*s constitute the distinctive feature of the Ionic capital. Classical entablatures have three parts: the *architrave*, the *frieze*, and the triangular *pediment* of the gabled roof, framed by the *cornice*. In the Doric order, the frieze is subdivided into *triglyphs* and *metopes*, whereas in the Ionic, the frieze is left open.

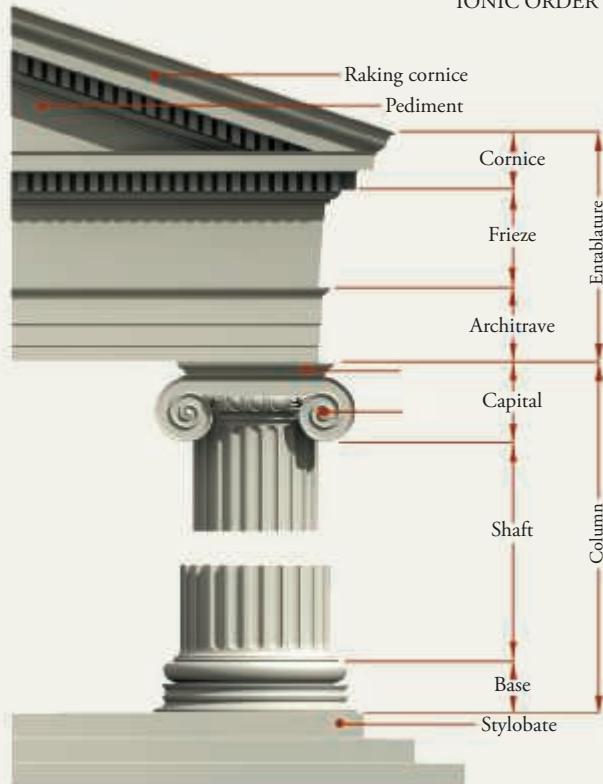
The *Corinthian capital*, a later Greek invention very popular in Roman times, is more ornate than either the Doric or Ionic. It consists of a double row of acanthus leaves, from which tendrils and flowers emerge. Although this capital often is cited as the distinguishing element of the Corinthian order, in strict terms no Corinthian order exists. Architects simply substituted the new capital type for the volute capital in the Ionic order, as in the fourth-century BCE *tholos* temple at Epidaurus in Greece.

Sculpture played a major role on the exterior of classical temples, partly to embellish the deity's shrine and partly to tell something about the deity to those gathered outside. Sculptural ornament was concentrated on the upper part of the building, in the pediment and frieze.

DORIC ORDER



IONIC ORDER



Doric and Ionic orders



Greek Doric peripteral temple (Temple of Hera or Apollo, Paestum, Italy, ca. 460 BCE)



Roman Ionic pseudoperipteral temple  
(Temple of Portunus, Rome, Italy, ca. 75 BCE)



Corinthian capital  
(Tholos temple, Epidaurus, Greece, ca. 350 BCE)



## Arches and Vaults

Although earlier architects used both arches and vaults, the Romans employed them more extensively and effectively than any other ancient civilization. The Roman forms became staples of architectural design from the Middle Ages until today.

- **Arch** The arch is one of several ways of spanning a passageway. The Romans preferred it to the *post-and-lintel* (column-and-architrave) system used in the Greek orders. Builders construct arches using wedge-shaped stone blocks called *vousoirs*. The central voussoir is the arch's *keystone*.
- **Barrel vault** Also called the *tunnel vault*, the barrel vault is an extension of a simple arch, creating a semicylindrical ceiling over parallel walls.
- **Groin vault** The groin vault, or *cross vault*, is formed by the intersection at right angles of two barrel vaults of equal size. When a

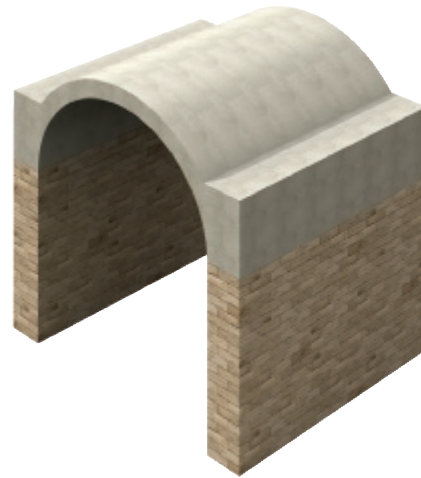
series of groin vaults covers an interior hall, the open lateral arches of the vaults function as windows admitting light to the building.

- **Dome** The hemispherical dome may be described as a round arch rotated around the full circumference of a circle, usually resting on a cylindrical *drum*. The Romans normally constructed domes using *concrete*, a mix of lime mortar, volcanic sand, water, and small stones, instead of with large stone blocks. Concrete dries to form a solid mass of great strength, which enabled the Romans to puncture the apex of a concrete dome with an *oculus* (eye), so that much-needed light could reach the interior of the building.

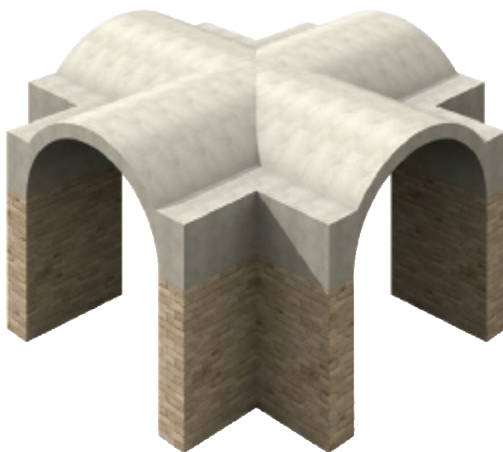
Barrel vaults, as noted, resemble tunnels, and groin vaults are usually found in a series covering a similar *longitudinally* oriented interior space. Domes, in contrast, crown *centrally* planned buildings, so named because the structure's parts are of equal or almost equal dimensions around the center.



Arch



Barrel vault



Groin vault



Hemispherical dome with oculus





Roman arch (Arch of Titus, Rome, Italy, ca. 81)



Roman hall with groin vaults (Baths of Diocletian, now Santa Maria degli Angeli, Rome, Italy, ca. 298–306)



Medieval barrel-vaulted church  
(Saint-Savin, Saint-Savin-sur-Gartempe, France, ca. 1100)



Roman dome with oculus (Pantheon, Rome, Italy, 118–125)



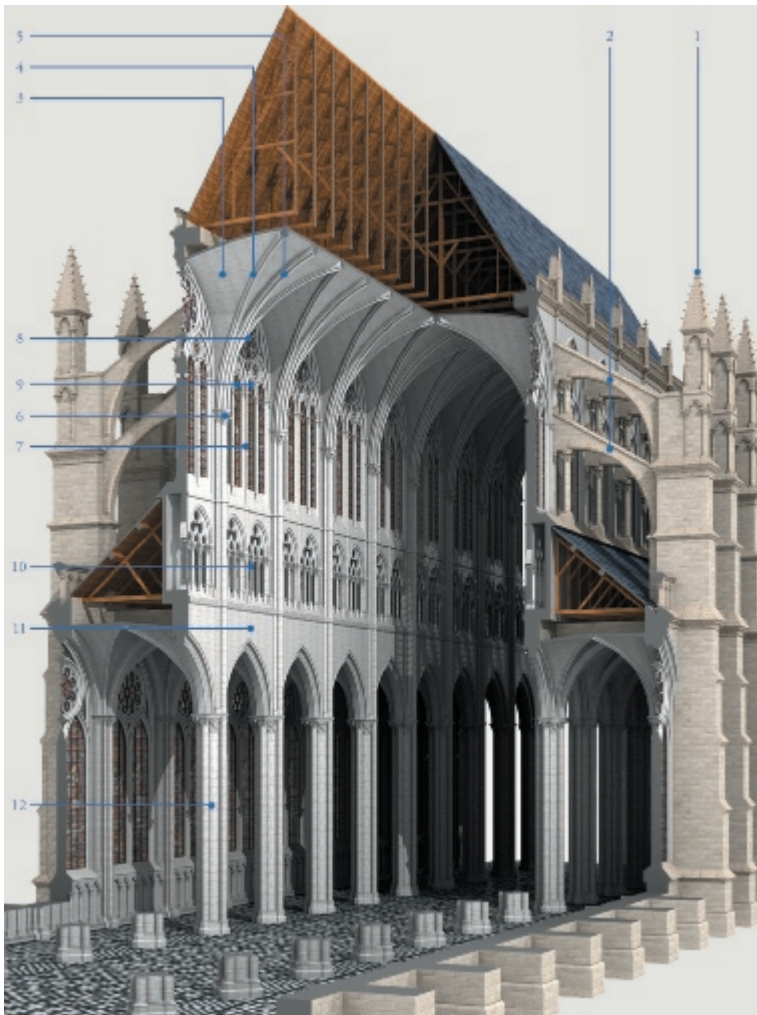
## Basilican Churches

Church design during the Middle Ages set the stage for ecclesiastical architecture from the Renaissance to the present. Both the longitudinal- and central-plan building types of antiquity had a long postclassical history.

In Western Christendom, the typical medieval church had a *basilican* plan, which evolved from the Roman columnar hall, or *basilica*. The great European *cathedrals* of the Gothic age, which were the immediate predecessors of the churches of the Renaissance and Baroque eras, shared many elements with the earliest basilican churches constructed during the fourth century, including a wide central *nave* flanked by *aisles* and ending in an *apse*. Some basilican churches also have a *transept*, an area perpendicular to the nave. The nave and transept intersect at the *crossing*. Gothic churches, however, have many additional features. The key components of Gothic design are labeled in the drawing of a typical French Gothic cathedral, which can be compared to the interior view of Amiens Cathedral and the plan of Chartres Cathedral.

Gothic architects frequently extended the aisles around the apse to form an *ambulatory*, onto which opened *radiating chapels* housing sacred *relics*. Groin vaults formed the ceiling of the nave, aisles, ambulatory, and transept alike, replacing the timber roof of the typical Early Christian basilica. These vaults rested on *diagonal* and *transverse ribs* in the form of *pointed arches*. On the exterior, *flying buttresses* held the nave vaults in place. These masonry struts transferred the thrust of the nave vaults across the roofs of the aisles to tall *piers* frequently capped by pointed ornamental *pinnacles*. This structural system made it possible to open up the walls above the *nave arcade* with huge *stained-glass windows* in the *nave clerestory*.

In the later Middle Ages, especially in the great cathedrals of the Gothic age, church *facades* featured extensive sculptural ornamentation, primarily in the portals beneath the stained-glass *rose windows* (circular windows with *tracery* resembling floral petals). The major sculpted areas were the *tympanum* above the doorway (akin to a Greco-Roman temple pediment), the *trumeau* (central post), and the *jamb*s.



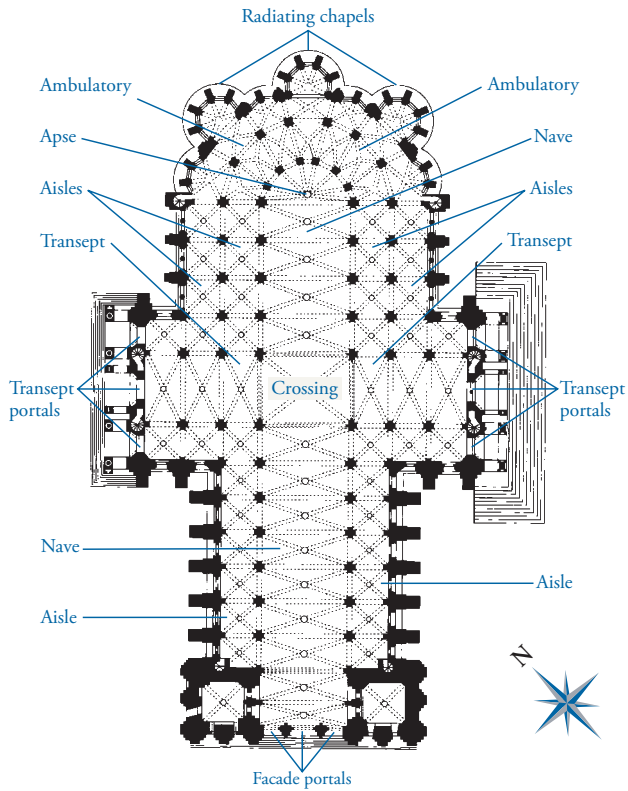
Cutaway view of a typical French Gothic cathedral

- (1) pinnacle, (2) flying buttress, (3) vaulting web, (4) diagonal rib,
- (5) transverse rib, (6) springing, (7) clerestory, (8) oculus, (9) lancet,
- (10) triforium, (11) nave arcade, (12) compound pier with responds



Nave of Amiens Cathedral, France, begun 1220





Plan of Chartres Cathedral, Chartres, France, rebuilt after 1194



West facade of Amiens Cathedral, Amiens, France, begun 1220

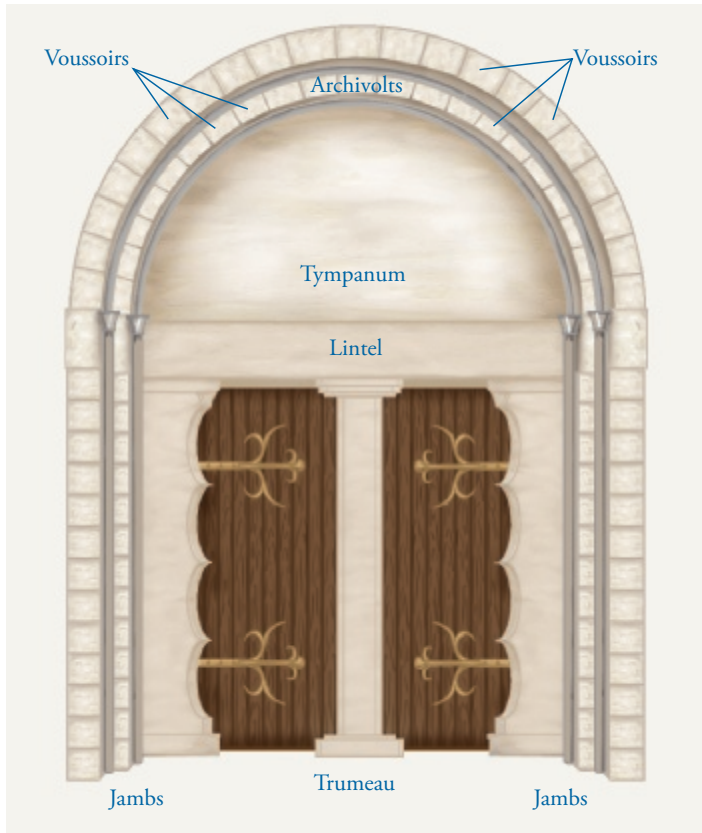


Diagram of medieval portal sculpture



Central portal, west facade, Chartres Cathedral, ca. 1145-1155



## Central-Plan Churches

The domed central plan of classical antiquity dominated the architecture of the Byzantine Empire but with important modifications. Because the dome covered the crossing of a Byzantine church, architects had to find a way to erect domes on square bases instead of on the circular bases (cylindrical drums) of Roman buildings. The solution was *pendentive* construction in which the dome rests on what is in effect a second, larger dome. The top portion and four segments around the rim of the larger dome are omitted, creating four curved triangles, or pendentives.

The pendentives join to form a ring and four arches whose planes bound a square. The first use of pendentives on a grand scale occurred in the sixth-century church of Hagia Sophia (Holy Wisdom) in Constantinople.

The interiors of Byzantine churches differed from those of basilican churches in the West not only in plan and the use of domes but also in the manner in which they were adorned. The original *mosaic* decoration of Hagia Sophia is lost, but at San Marco (Saint Mark's) in Venice, some 40,000 square feet of mosaics cover all the walls, arches, vaults, and domes.



Hagia Sophia, Constantinople (Istanbul), Turkey, 532–537



Saint Mark's, Venice, Italy, begun 1063



Dome on pendentives



## The Gods and Goddesses of Mount Olympus

The chief deities of the Greeks ruled the world from their home on Mount Olympus, Greece's highest peak. They figure prominently not only in Greek, Etruscan, and Roman art but also in art from the Renaissance to the present.

The 12 Olympian gods (and their Roman equivalents) were:

- **Zeus (Jupiter)** King of the gods, Zeus ruled the sky and allotted the sea to his brother Poseidon and the Underworld to his other brother, Hades. His weapon was the thunderbolt. Jupiter was also the chief god of the Romans.
- **Hera (Juno)** Wife and sister of Zeus, Hera was the goddess of marriage.
- **Poseidon (Neptune)** Poseidon was lord of the sea. He controlled waves, storms, and earthquakes with his three-pronged pitchfork (*trident*).
- **Hestia (Vesta)** Sister of Zeus, Poseidon, and Hera, Hestia was goddess of the hearth.
- **Demeter (Ceres)** Third sister of Zeus, Demeter was the goddess of grain and agriculture.
- **Ares (Mars)** God of war, Ares was the son of Zeus and Hera and the lover of Aphrodite. His Roman counterpart, Mars, was the father of the twin founders of Rome, Romulus and Remus.

- **Athena (Minerva)** Goddess of wisdom and warfare, Athena was a virgin born from the head of her father, Zeus.
- **Hephaistos (Vulcan)** God of fire and of metalworking, Hephaistos was the son of Zeus and Hera. Born lame and, uncharacteristically for a god, ugly, he married Aphrodite, who was unfaithful to him.
- **Apollo (Apollo)** God of light and music and son of Zeus, the young, beautiful Apollo was an expert archer, sometimes identified with the sun (*Helios/Sol*).
- **Artemis (Diana)** Sister of Apollo, Artemis was goddess of the hunt. She was occasionally equated with the moon (*Selene/Luna*).
- **Aphrodite (Venus)** Daughter of Zeus and a *nymph* (goddess of springs and woods), Aphrodite was the goddess of love and beauty.
- **Hermes (Mercury)** Son of Zeus and another nymph, Hermes was the fleet-footed messenger of the gods and possessed winged sandals. He carried the *caduceus*, a magical herald's rod.

Other important Greek gods and goddesses were:

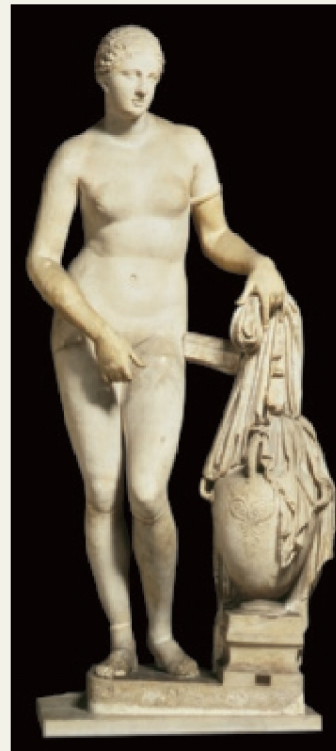
- **Hades (Pluto)** Lord of the Underworld and god of the dead. Although the brother of Zeus and Poseidon, Hades never resided on Mount Olympus.
- **Dionysos (Bacchus)** God of wine, another of Zeus's sons.
- **Eros (Amor or Cupid)** The winged child-god of love, son of Aphrodite and Ares.
- **Asklepios (Aesculapius)** God of healing, son of Apollo. His serpent-entwined staff is the emblem of modern medicine.



Athena, by Phidias,  
ca. 438 BCE



Apollo, from Olympia,  
ca. 470–456 BCE



Aphrodite, by Praxiteles,  
ca. 350–340 BCE



Hermes and infant Dionysos,  
by the Phiale Painter,  
ca. 440–435 BCE

## The Life of Jesus in Art

Christians believe that Jesus of Nazareth is the son of God, the *Messiah* (Savior, Christ) of the Jews prophesied in Hebrew scripture. His life—his miraculous birth from the womb of a virgin mother, his preaching and miracle working, his execution by the Romans and subsequent ascent to Heaven—has been the subject of countless artworks from Roman times through the present day.

### INCARNATION AND CHILDHOOD

The first “cycle” of the life of Jesus consists of the events of his conception (incarnation), birth, infancy, and childhood.

- **Annunciation to Mary** The archangel Gabriel announces to the Virgin Mary that she will miraculously conceive and give birth to God’s son, Jesus.
- **Visitation** The pregnant Mary visits her cousin Elizabeth, who is pregnant with John the Baptist. Elizabeth is the first to recognize that the baby Mary is bearing is the Son of God.
- **Nativity, Annunciation to the Shepherds, and Adoration of the Shepherds** Jesus is born at night in Bethlehem and placed in a basket. Mary and her husband, Joseph, marvel at the newborn, while an angel announces the birth of the Savior to shepherds in the field, who rush to adore the infant Jesus.
- **Adoration of the Magi** A bright star alerts three wise men (*magi*) in the East that the King of the Jews has been born. They travel 12 days to present precious gifts to the infant Jesus.
- **Presentation in the Temple** In accordance with Jewish tradition, Mary and Joseph bring their firstborn son to the temple in Jerusalem, where the aged Simeon recognizes Jesus as the prophesied savior of humankind.

- **Massacre of the Innocents and Flight into Egypt** King Herod, fearful that a rival king has been born, orders the massacre of all infants, but the holy family escapes to Egypt.
- **Dispute in the Temple** Joseph and Mary travel to Jerusalem for the feast of Passover. Jesus, only a boy, debates the astonished Jewish scholars in the temple, foretelling his ministry.

### PUBLIC MINISTRY

The public-ministry cycle comprises the teachings of Jesus and the miracles he performed.

- **Baptism** Jesus’s public ministry begins with his baptism at age 30 by John the Baptist in the Jordan River. God’s voice is heard proclaiming Jesus as his son.
- **Calling of Matthew** Jesus summons Matthew, a tax collector, to follow him, and Matthew becomes one of his 12 disciples, or *apostles* (from the Greek for “messenger”).
- **Miracles** Jesus performs many miracles, revealing his divine nature. These include acts of healing and raising the dead, turning water into wine, walking on water and calming storms, and creating wondrous quantities of food.
- **Delivery of the Keys to Peter** Jesus chooses the fisherman Peter (whose name means “rock”) as his successor. He declares that Peter is the rock on which his church will be built and symbolically delivers to Peter the keys to the kingdom of Heaven.
- **Transfiguration** Jesus scales a mountain and, in the presence of Peter and two other disciples, is transformed into radiant light. God, speaking from a cloud, discloses that Jesus is his son.
- **Cleansing of the Temple** Jesus returns to Jerusalem, where he finds money changers and merchants conducting business in the temple. He rebukes them and drives them out.



*Annunciation*, by Jean Pucelle, ca. 1325–1328



*Miracle of Loaves and Fishes*, Sant’Apollinare Nuovo, Ravenna, Italy, ca. 504



## PASSION

The passion (Latin *passio*, “suffering”) cycle includes the events leading to Jesus’s trial, death, resurrection, and ascent to Heaven.

- **Entry into Jerusalem** On the Sunday before his Crucifixion (Palm Sunday), Jesus rides into Jerusalem on a donkey.
- **Last Supper** In Jerusalem, Jesus celebrates Passover with his disciples. During this last supper, Jesus foretells his imminent betrayal, arrest, and death and invites the disciples to remember him when they eat bread (symbol of his body) and drink wine (his blood). This ritual became the celebration of *Mass (Eucharist)*.
- **Agony in the Garden** Jesus goes to the Mount of Olives in the Garden of Gethsemane, where he struggles to overcome his human fear of death by praying for divine strength.
- **Betrayal and Arrest** The disciple Judas Iscariot betrays Jesus to the Jewish authorities for 30 silver coins. Judas identifies Jesus to the soldiers by kissing him, and Jesus is arrested.
- **Trials of Jesus** The soldiers bring Jesus before Caiaphas, the Jewish high priest, who interrogates Jesus about his claim to be the Messiah. Jesus is then brought before the Roman governor of Judaea, Pontius Pilate, on the charge of treason because he had proclaimed himself king of the Jews. Pilate asks the crowd to choose between freeing Jesus or Barabbas, a murderer. The people choose Barabbas, and the judge condemns Jesus to death.
- **Flagellation** The Roman soldiers who hold Jesus captive whip (flagellate) him and mock him by dressing him as king of the Jews and placing a crown of thorns on his head.
- **Carrying of the Cross, Raising of the Cross, and Crucifixion** The Romans force Jesus to carry the cross on which he will be crucified



*Crucifixion, ivory plaque, Italy, early fifth century*

from Jerusalem to Mount Calvary. Soldiers erect the cross and nail Jesus’s hands and feet to it. Jesus’s mother, John the Evangelist, and Mary Magdalene mourn at the foot of the cross, while the soldiers torment Jesus. One of them stabs Jesus in the side with a spear. After suffering great pain, Jesus dies on Good Friday.

- **Deposition, Lamentation, and Entombment** Two disciples, Joseph of Arimathea and Nicodemus, remove Jesus’s body from the cross (Deposition) and take him to his tomb. Joseph, Nicodemus, the Virgin Mary, John the Evangelist, and Mary Magdalene mourn over the dead Jesus (Lamentation). (When in art the isolated figure of the Virgin Mary cradles her dead son in her lap, it is called a *Pietà*—Italian for “pity.”) Then his followers lower Jesus into a sarcophagus in the tomb (Entombment).
- **Resurrection and Three Marys at the Tomb** On the third day (Easter Sunday), Christ rises from the dead and leaves the tomb. The Virgin Mary, Mary Magdalene, and Mary, the mother of James, visit the tomb but find it empty. An angel informs them that Jesus has been resurrected.
- **Noli Me Tangere, Supper at Emmaus, and Doubting of Thomas** During the 40 days between Christ’s Resurrection and his ascent to Heaven, he appears on several occasions to his followers. Christ warns Mary Magdalene, weeping at his tomb, with the words “Don’t touch me” (*Noli me tangere* in Latin). At Emmaus he eats supper with two astonished disciples. Later, Christ invites Thomas, who cannot believe Christ has risen, to touch the wound in his side inflicted at his Crucifixion.
- **Ascension** On the 40th day, on the Mount of Olives, with his mother and apostles as witnesses, Christ gloriously ascends to Heaven in a cloud.



*Ascension of Christ, Rabbula Gospels, 586*



## Early Christian Saints and Their Attributes

A distinctive feature of Christianity is the veneration accorded to *saints* (from the Latin word for “holy”—*sanctus*), a practice dating to the second century. Most of the earliest Christian saints were *martyrs* who died for their faith at the hands of the Roman authorities, often after suffering cruel torture. During the first millennium of the Church, the designation of sainthood, or *canonization*, was an informal process, but in the late 12th century, Pope Alexander III (r. 1159–1181) ruled that only the papacy could designate individuals as saints, and only after a protracted review of the life, character, deeds, and miracles of the person under consideration. A preliminary stage is *beatification*, the official determination that a deceased individual is a *beatus* (blessed person).

In Christian art, saints almost always have *halos* around their heads. To distinguish individual saints, artists commonly depicted them with one or more characteristic *attributes*—often the means of their martyrdom, although saintly attributes take a wide variety of forms.

The most important saints during the early centuries of Christianity were contemporaries of Jesus. They may be classified in three general categories.

### FAMILY OF JESUS AND MARY

- **Anne** The parents of the Virgin Mary were Anne and Joachim, a childless couple after 20 years of marriage. Angels separately announced to them that Anne would give birth.

- **Elizabeth** A cousin of Anne, Elizabeth was also an older barren woman. The angel Gabriel announced to her husband, the priest Zacharias, that she would give birth to a son named John. Six months later, Gabriel informed Mary that she would become the mother of the son of God (*Annunciation*), whereupon Mary visited Elizabeth (*Visitation*), and in Elizabeth’s womb the future John the Baptist leaped for joy at the approach of the Mother of God.
- **Joseph** Although a modest craftsman, Joseph was a descendant of King David. An elderly widower, he was chosen among several suitors to wed the much younger Mary when his staff miraculously blossomed. Joseph’s principal attributes are the flowering staff and carpentry tools.
- **John the Baptist** Elizabeth’s son, John, became a preacher who promoted baptism as a means of cleansing Jews of their sins in preparation for the Messiah. John most often appears in art as a bearded hermit baptizing a much younger Jesus in the Jordan River, even though John was only six months older. His attribute is a lamb.

### APOSTLES

During the course of his ministry, Jesus called 12 men to be his *apostles*, or messengers, to spread the news of the coming of the son of God. All 12 apostles were present at the *Last Supper*. After Judas’s betrayal and suicide, the remaining 11 witnessed Jesus’s *Ascension* and chose another follower of Jesus to replace Judas. At the *Pentecost*, the Holy



John the Baptist baptizing Jesus, Liège, Belgium, 1118



Christ between Saints Peter and Paul, Sarcophagus of Junius Bassus, Rome, ca. 359



Spirit assigned the 12 apostles the mission of spreading the Gospel throughout the world. All but John the Evangelist eventually suffered martyrdom. Four of the apostles figure prominently in the history of art.

- **Peter** The “prince of apostles,” Peter was a fisherman whom Jesus designated as the rock on which he would found his Church. The Savior presented the apostle with the keys to the kingdom of Heaven. Peter was the first bishop of Rome and the head of the long line of popes. He was crucified upside down because he insisted that he was unworthy to die as Jesus did. Peter’s chief attributes are the keys.
- **John the Evangelist** Another fisherman, John was the youngest apostle and “the disciple whom Jesus loved.” He was one of two apostles who became *evangelists*—those who recorded Jesus’s life in the Gospels. John also wrote the Book of Revelation. His attribute is an eagle.
- **Matthew** The second evangelist among the apostles, Matthew was a Jewish tax collector. Different accounts say that he was either stabbed to death or beheaded while saying Mass. Matthew appears most frequently in art as a seated robed figure writing his Gospel. His attribute is a winged man.
- **James** The brother of John the Evangelist and also a fisherman, James was the first apostle to be martyred—by beheading. According to tradition, before his martyrdom he preached the Gospel in Spain. James’s attribute is a scallop shell, the emblem of pilgrims to his shrine at Santiago de Compostela.



Mark, with his lion, writing his Gospel, *Corbie Gospels*, ca. 1120

## OTHER EARLY SAINTS

Several other saints who died before Constantine ended the persecution of Christians have also frequently been the subjects of artworks:

- **Paul** Born a Jew named Saul, Paul fervently opposed Christian teaching until Christ spoke to him in a blinding burst of light. Paul became the “Apostle to the Gentiles,” preaching the Gospel to non-Jews as well as Jews. His *Epistles* are the foundation of Christian theology. In Early Christian art, he holds a scroll and often appears with Peter flanking Christ, although, unlike the original apostles, Paul never met Jesus. In later representations he may hold the sword of his martyrdom.
- **Mark** One of the two evangelists who were not apostles, Mark accompanied Paul on his earliest missionary journey and became the first bishop of Alexandria, where he was martyred by being dragged with a rope around his neck. The Venetians acquired Mark’s remains in 828. The saint’s attribute—a lion—is the emblem of Venice to this day.
- **Luke** A Gentile physician in addition to being a Gospel author, Luke painted a portrait of Mary and the infant Jesus, and consequently became the patron saint of artists as well as doctors. His attribute is an ox.
- **Mary Magdalene** Born in Magdala on the Sea of Galilee, Mary Magdalene washed Jesus’s feet with her tears and dried them with her hair. She was the first to discover Christ’s empty tomb and to encounter the resurrected Savior. Mary’s major attribute is her long hair.



Mary Magdalene and the resurrected Christ, *Rabbula Gospels*, 586



## Buddhism and Buddhist Iconography

The Buddha (Enlightened One) was born around 563 BCE as Prince Siddhartha Gautama. When he was 29, he renounced his opulent life and became a wandering ascetic searching for knowledge through meditation. Six years later, he achieved complete enlightenment, or buddhahood, while meditating beneath a pipal tree (the Bodhi tree) at Bodh Gaya (place of enlightenment) in eastern India. The Buddha preached his first sermon in the Deer Park at Sarnath. There he set into motion the Wheel (*chakra*) of the Law (*dharma*) and expounded the Four Noble Truths: (1) life is suffering; (2) the cause of suffering is desire; (3) one can overcome and extinguish desire; (4) the way to conquer desire and end suffering is to follow the Buddha's Eightfold Path of right understanding, right thought, right speech, right action, right livelihood, right effort, right mindfulness, and right concentration. The Buddha's path leads to *nirvana*, the cessation of the endless cycle of painful life, death, and rebirth. The Buddha continued to preach until his death at age 80 at Kushinagara.

The earliest form of Buddhism is called Theravada (Path of the Elders) Buddhism. The second major school of Buddhist thought, Mahayana (Great Path) Buddhism, emerged around the beginning of the Christian era. Mahayana Buddhists refer to Theravada Buddhism as Hinayana (Lesser Path) Buddhism and believe in a larger goal than nirvana for an individual—namely, buddhahood for all. Mahayana Buddhists also revere *bodhisattvas* (Buddhas-to-be), exemplars of compassion who restrain themselves at the threshold of nirvana to aid others in earning merit and achieving buddhahood. A third important Buddhist

sect, especially popular in East Asia, venerates the Amitabha Buddha (Amida in Japanese), the Buddha of Infinite Light and Life. The devotees of this Buddha hope to be reborn in the Pure Land Paradise of the West, where the Amitabha resides and can grant them salvation.

The earliest (first century CE) known depictions of the Buddha in human form show him as a robed monk. Artists distinguished the Enlightened One from monks and bodhisattvas by *lakshanas*, body attributes indicating the Buddha's suprahuman nature. These distinguishing marks include an *urna*, or curl of hair between the eyebrows; an *ushnisha*, or cranial bump; and, less frequently, palms of hands and soles of feet imprinted with a wheel. The Buddha is also recognizable by his elongated ears, the result of wearing heavy royal jewelry in his youth.

Representations of the Buddha also feature a repertory of mudras, or hand gestures. These include the *dhyana* (meditation) mudra, with the right hand over the left, palms upward; the *bhumisparsha* (earth-touching) mudra, right hand down reaching to the ground, calling the earth to witness the Buddha's enlightenment; the *dharmachakra* (Wheel of the Law, or teaching) mudra, a two-handed gesture with right thumb and index finger forming a circle; and the *abhaya* (do not fear) mudra, right hand up, palm outward, a gesture of protection or blessing.

Episodes from the Buddha's life are among the most popular subjects in all Buddhist artistic traditions. Four of the most important events are his birth at Lumbini from the side of his mother; his achievement of buddhahood while meditating beneath the Bodhi tree; his first sermon at Sarnath; and his attainment of nirvana when he died (*parinirvana*) at Kushinagara.



a



b



c



d

Life and death of the Buddha, from Gandhara, second century. (a) Birth at Lumbini, (b) enlightenment at Bodh Gaya, (c) first sermon at Sarnath, (d) death at Kushinagara (*parinirvana*)



## Hinduism and Hindu Iconography

Unlike Buddhism (and Christianity, Islam, and other religions), Hinduism recognizes no founder or great prophet. Hinduism also has no simple definition, but means “the religion of the Indians.” The practices and beliefs of Hindus vary tremendously, but ritual sacrifice is central to Hinduism. The goal of sacrifice is to please a deity in order to achieve release (*moksha*, liberation) from the endless cycle of birth, death, and rebirth (*samsara*) and become one with the universal spirit.

Not only is Hinduism a religion of many gods, but the Hindu deities also have various natures and take many forms. This multiplicity suggests the all-pervasive nature of the Hindu gods. The three most important deities are the gods Shiva and Vishnu and the goddess Devi. Each of the three major sects of Hinduism today considers one of these three to be supreme—Shiva in Shaivism, Vishnu in Vaishnavism, and Devi in Shaktism. (*Shakti* is the female creative force.)

- **Shiva** is the Destroyer, but, consistent with the multiplicity of Hindu belief, he is also a regenerative force and, in the latter role, can be represented in the form of a *linga* (a phallus or cosmic pillar). When Shiva appears in human form in Hindu art, he frequently has multiple limbs and heads, signs of his suprahuman nature,

and matted locks piled atop his head, crowned by a crescent moon. Sometimes he wears a serpent scarf and has a third eye on his forehead (the emblem of his all-seeing nature). Shiva rides the bull **Nandi** and often carries a trident.

- **Vishnu** is the Preserver of the Universe. Artists frequently portray him with four arms holding various attributes, including a conch-shell trumpet and discus, sometimes sleeping on the serpent Ananta floating on the waters of the cosmic sea as he dreams the universe into reality. When the evil forces in the world become too strong, he descends to earth to restore balance and assumes different forms (*avatars*, or incarnations), including a boar, fish, and tortoise, as well as **Krishna**, the divine lover, and even the Buddha himself.
- **Devi** is the Great Goddess who takes many forms and has many names. Hindus worship her alone or as a consort of male gods (**Parvati** or **Uma**, wife of Shiva; **Lakshmi**, wife of Vishnu), as well as **Radha**, lover of Krishna. She has both benign and horrific forms. She creates and destroys. In one manifestation, she is **Durga**, a multiarmed goddess who often rides a lion. Her son is the elephant-headed **Ganesha**.



Dancing Shiva with Ganesha, Badami, India,  
late sixth century



Vishnu Asleep on the Serpent Ananta, Deogarh, India,  
early sixth century





▲ **I-1a** Art historians seek to understand not only why artworks appear as they do but also why those works exist at all. Who paid this African artist to make this altar? Can the figures represented provide the answer?



1 in.

**I-1** Altar to the Hand (ikegobo), from Benin, Nigeria, ca. 1735–1750. Bronze, 1' 5½" high. British Museum, London (gift of Sir William Ingram).



◀ **I-1b** What tools and techniques did this sculptor employ to transform molten bronze into this altar representing a Benin king and his attendants projecting in high relief from the background plane?

▶ **I-1c** At the bottom of the altar is a band with hands and other symbols, but no artist's signature or date. How can art historians determine when an unlabeled work such as this one was made and by and for whom?



# WHAT IS ART HISTORY?

What is art history? Except when referring to the modern academic discipline, people do not often juxtapose the words *art* and *history*. They tend to think of history as the record and interpretation of past human events, particularly social and political events. By contrast, most think of art, quite correctly, as part of the present—as something people can see and touch. Of course, people cannot see or touch history’s vanished human events, but a visible, tangible artwork is a kind of persisting event. One or more artists made it at a certain time and in a specific place, even if no one now knows who, when, where, or why. Although created in the past, an artwork continues to exist in the present, long surviving its times. The earliest known paintings and sculptures were created almost 40,000 years ago, but they can be viewed today, often in glass cases in museums built only during the past few years.

Modern museum visitors can admire these objects from the remote past and countless others produced over the millennia—whether a large painting on canvas by a 17th-century French artist (FIG. I-12), a wood portrait from an ancient Egyptian tomb (FIG. I-15), an illustrated book by a medieval German monk (FIG. I-8), or an 18th-century bronze altar glorifying an African king (FIG. I-1)—without any knowledge of the circumstances leading to the creation of those works. The beauty or sheer size of an object can impress people, the artist’s virtuosity in the handling of ordinary or costly materials can dazzle them, or the subject depicted can move them emotionally. Viewers can react to what they see, interpret the work in the light of their own experience, and judge it a success or a failure. These are all valid aesthetic responses. (*Aesthetics* is the branch of philosophy that addresses the nature of beauty, especially in art.) But the enjoyment and appreciation of artworks in museum settings are relatively recent phenomena, as is the creation of artworks solely for museum-going audiences to view.

Today, it is common for artists to work in private studios and to create paintings, sculptures, and other objects to be offered for sale by commercial art galleries. This is what American artist CLYFFORD STILL (1904–1980) did when he created his series of paintings (FIG. I-2) of pure color titled simply with the year of their creation. Usually, someone whom the artist has never met will purchase the artwork and display it in a setting that the artist has never seen. This practice is not a new phenomenon in the history of art—an ancient potter decorating a vase for sale at a village market stall probably did not know who would buy the pot or where it would be housed—but it is not at all typical. In fact, it is exceptional. Throughout history, most artists created paintings, sculptures, and other objects for specific patrons and settings and to fulfill a specific purpose, even if today no one knows the original contexts of those artworks. A museum visitor can appreciate the visual and tactile qualities of these objects, but without knowing the circumstances of their creation, that modern viewer cannot understand why they were made or why they appear as they do. Art *appreciation* and aesthetic judgments in general do not require knowledge of the historical context of an artwork (or a building). Art *history* does.



## ART HISTORY IN THE 21ST CENTURY

Art historians study the visual and tangible objects that humans make and the structures they build. Scholars traditionally have classified these works as architecture, sculpture, the pictorial arts (painting, drawing, printmaking, and photography), and the craft arts, or arts of design. The craft arts comprise utilitarian objects, such as ceramics, metalwork, textiles, jewelry, and similar accessories of ordinary living—but the fact that these objects were used does not mean that they are not works of art. In fact, in some times and places, these so-called minor arts were the most prestigious artworks of all. Artists of every age have blurred the boundaries among these categories, but this is especially true today, when multimedia works abound.

Beginning with the earliest Greco-Roman art critics, scholars have studied objects that their makers consciously manufactured as “art” and to which the artists assigned formal titles. But today’s art historians also study a multitude of objects that their creators and owners almost certainly did not consider to be “works of art”—for example, the African altar illustrated on the opening page of this introductory chapter (FIG. I-1). Likewise, few ancient Romans would have regarded a coin bearing their emperor’s portrait as anything but money. Today, an art museum may exhibit that coin in a locked case in a climate-controlled room, and scholars may subject it to the same kind of art historical analysis as a portrait by an acclaimed Renaissance or modern sculptor or painter.

The range of objects that art historians study is constantly expanding and now includes, for example, computer-generated images, whereas in the past almost anything produced using a machine would not have been regarded as art. Most people still consider the performing arts—music, drama, and dance—as outside art history’s realm because these arts are fleeting, impermanent media. But during the past few decades, even this distinction between “fine art” and “performance art” has become blurred. Art historians, however, generally ask the same kinds of questions about what they study, whether they employ a restrictive or expansive definition of art.

### The Questions Art Historians Ask

**How Old Is It?** Before art historians can write a history of art, they must be sure that they know the date of each work they study. Thus an indispensable subject of art historical inquiry is *chronology*, the dating of art objects and buildings. If researchers cannot determine a monument’s age, they cannot place the work in its historical context. Art historians have developed many ways to establish, or at least approximate, the date of an artwork.

*Physical evidence* often reliably indicates an object’s age. The material used for a statue or painting—bronze, plastic, or oil-based pigment, to name only a few—may not have been invented before a certain time, indicating the earliest possible date (the *terminus post quem*: Latin, “point after which”) that someone could have fashioned the work. Or artists may have ceased using certain materials—such as specific kinds of inks and papers for drawings—at a known time, providing the latest possible date (the *terminus ante quem*: Latin, “point before which”) for objects made of those materials. Sometimes the material (or the manufacturing technique) of an object or a building can establish a very precise date of production or construction. The study of tree rings, for instance, usually can determine within a narrow range the date of a wood statue or a timber roof beam.



**I-2** CLYFFORD STILL, 1948-C, 1948. Oil on canvas, 6' 8<sup>7</sup>/<sub>8</sub>" × 5' 8<sup>3</sup>/<sub>4</sub>". Hirshhorn Museum and Sculpture Garden, Smithsonian Institution, Washington, D.C. (purchased with funds of Joseph H. Hirshhorn, 1992).

Clyfford Still painted this abstract composition without knowing who would purchase it or where it would be displayed, but throughout history, most artists created works for specific patrons and settings.

Thus a central aim of art history is to determine the original context of artworks. Art historians seek to achieve a full understanding not only of why these “persisting events” of human history look the way they do but also of why the artistic events happened at all. What unique set of circumstances gave rise to the construction of a particular building or led an individual patron to commission a certain artist to fashion a singular artwork for a specific place? The study of history is therefore vital to art history. And art history is often indispensable for a thorough understanding of history. In ways that other historical documents may not, art objects and buildings can shed light on the peoples who made them and on the times of their creation. Furthermore, artists and architects can affect history by reinforcing or challenging cultural values and practices through the objects they create and the structures they build. Although the two disciplines are not the same, the analysis of art and architecture is inseparable from the study of history.

The following pages introduce some of the distinctive subjects that art historians address and the kinds of questions they ask, and explain some of the basic terminology they use when answering these questions. Readers armed with this arsenal of questions and terms will be ready to explore the multifaceted world of art through the ages—and to form their own opinions and write knowledgeably about artworks and buildings in all places and at all times. This is the central aim of this book.



**I-3** Choir of Beauvais Cathedral (looking east), Beauvais, France, rebuilt after 1284.

The style of an object or building often varies from region to region. This cathedral has towering stone vaults and large colored-glass windows typical of 13th-century French architecture.

*Documentary evidence* can help pinpoint the date of an object or building when a dated written document mentions the work. For example, official records may note when church officials commissioned a new altarpiece—and how much they paid to which artist.

*Internal evidence* can play a significant role in dating an artwork. A painter or sculptor might have depicted an identifiable person or a kind of hairstyle or garment fashionable only at a certain time. If so, the art historian can assign a more accurate date to that painting or sculpture.

*Stylistic evidence* is also very important. The analysis of *style*—an artist’s distinctive manner of producing an object—is the art historian’s special sphere. Unfortunately, because it is a subjective assessment, an artwork’s style is by far the most unreliable chronological criterion. Still, art historians find stylistic evidence a very useful tool for establishing chronology.

**What Is Its Style?** Defining artistic style is one of the key elements of art historical inquiry, although the analysis of artworks solely in terms of style no longer dominates the field the way it once did. Art historians speak of several different kinds of artistic styles.

*Period style* refers to the characteristic artistic manner of a specific era or span of years, usually within a distinct culture, such as



**I-4** Interior of Santa Croce (looking east), Florence, Italy, begun 1294.

In contrast to Beauvais Cathedral (FIG. I-3), this contemporaneous Florentine church conforms to the quite different regional style of Italy. The building has a low timber roof and small windows.

“Archaic Greek” or “High Renaissance.” But many periods do not display any stylistic unity at all. How would someone define the artistic style of the second or third decade of the new millennium in North America? Far too many crosscurrents exist in contemporary art for anyone to describe a period style of the early 21st century—even in a single city such as New York.

*Regional style* is the term that art historians use to describe variations in style tied to geography. Like an object’s date, its *provenance*, or place of origin, can significantly determine its character. Very often two artworks from the same place made centuries apart are more similar than contemporaneous works from two different regions. To cite one example, usually only an expert can distinguish between an Egyptian statue carved in 2500 BCE (FIG. 3-13) and one created 2,000 years later (FIG. 3-37). But no one would mistake an Egyptian statue of 500 BCE for one of the same date made in Greece (FIG. 5-35) or Africa (FIG. 19-4).

Considerable variations in a given area’s style are possible, however, even during a single historical period. In late medieval Europe, French architecture differed significantly from Italian architecture. The interiors of Beauvais Cathedral (FIG. I-3) and the church of Santa Croce (Holy Cross, FIG. I-4) in Florence typify the architectural styles of France and Italy, respectively, at the end of the 13th century. The rebuilding of the east end of Beauvais Cathedral began in 1284. Construction commenced on Santa Croce only 10 years later. Both structures employ the *pointed arch* characteristic of this era, yet the two churches differ strikingly. The French church has towering stone ceilings and large expanses of colored-glass windows, whereas the Italian building has a low timber roof and small,



1 ft.



**I-5** GEORGIA O'KEEFFE, *Jack-in-the-Pulpit No. 4*, 1930. Oil on canvas, 3' 4" × 2' 6". National Gallery of Art, Washington, D.C. (Alfred Stieglitz Collection, bequest of Georgia O'Keeffe).

O'Keeffe's paintings feature close-up views of petals and leaves in which the organic forms become powerful abstract compositions. This approach to painting typifies the artist's distinctive personal style.

widely separated clear windows. Because the two contemporaneous churches served similar purposes, regional style mainly explains their differing appearance.

*Personal style*, the distinctive manner of individual artists or architects, often decisively explains stylistic discrepancies among paintings, sculptures, and buildings of the same time and place. For example, in 1930, American painter GEORGIA O'KEEFFE (1887–1986) produced a series of paintings of flowering plants. One of them—*Jack-in-the-Pulpit No. 4* (FIG. I-5)—is a sharply focused close-up view of petals and leaves. O'Keeffe captured the growing plant's slow, controlled motion while converting the plant into a powerful *abstract* composition of lines, forms, and colors (see the discussion of art historical vocabulary in the next section). Only a year later, another American artist, BEN SHAHN (1898–1969), painted *The Passion of Sacco and Vanzetti* (FIG. I-6), a stinging commentary on social injustice inspired by the trial and execution of two Italian anarchists, Nicola Sacco and Bartolomeo Vanzetti. Many people believed that Sacco and Vanzetti had been unjustly convicted of killing two men in a robbery in 1920. Shahn's painting compresses time in a symbolic representation of the trial and its aftermath. The two executed men lie in their coffins. Presiding over them are the three members of the commission (headed by a college president



1 ft.

**I-6** BEN SHAHN, *The Passion of Sacco and Vanzetti*, 1931–1932. Tempera on canvas, 7'  $\frac{1}{2}$ " × 4'. Whitney Museum of American Art, New York (gift of Edith and Milton Lowenthal in memory of Juliana Force).

O'Keeffe's contemporary, Shahn developed a style markedly different from hers. His paintings are often social commentaries on recent events and incorporate readily identifiable people.

wearing academic cap and gown) who declared that the original trial was fair and cleared the way for the executions. Behind, on the wall of a stately government building, hangs the framed portrait of the judge who pronounced the initial sentence. Personal style, not period or regional style, sets Shahn's canvas apart from O'Keeffe's. The contrast is extreme here because of the very different subjects that the artists chose. But even when two artists depict the same subject, the results can vary widely. The *way* that O'Keeffe painted flowers and the *way* that Shahn painted faces are distinctive and unlike the styles of their contemporaries. (See the "Who Made It?" discussion on page 6.)

The different kinds of artistic styles are not mutually exclusive. For example, an artist's personal style may change dramatically





**I-7** GISELBERTUS, weighing of souls, detail of *Last Judgment* (FIG. 12-1), west tympanum of Saint-Lazare, Autun, France, ca. 1120–1135.

In this high relief portraying the weighing of souls on Judgment Day, Gislebertus used disproportion and distortion to dehumanize the devilish figure yanking on the scales of justice.

during a long career. Art historians then must distinguish among the different period styles of a particular artist, such as the “Rose Period” (FIG. 29-10A) and the “Cubist Period” (FIG. 29-14) of the prolific 20th-century artist Pablo Picasso.

**What Is Its Subject?** Another major concern of art historians is, of course, subject matter, encompassing the story or narrative; the scene presented; the action’s time and place; the persons involved; and the environment and its details. Some artworks, such as modern abstract paintings (FIG. I-2), have neither traditional subjects nor even settings. The “subject” is the artwork itself—its colors, textures, composition, and size. But when artists represent people, places, or actions, viewers must identify these features to achieve a complete understanding of the work. Art historians traditionally separate pictorial subjects into various categories, such as religious, historical, mythological, *genre* (daily life), portraiture, *landscape* (a depiction of a place), *still life* (an arrangement of inanimate objects), and their numerous subdivisions and combinations.

*Iconography*—literally, the “writing of images”—refers both to the content, or subject, of an artwork, and to the study of content in art. By extension, it also includes the study of *symbols*, images that stand for other images or encapsulate ideas. In Christian art, two intersecting lines of unequal length or a simple geometric cross can serve as an emblem of the religion as a whole, symbolizing the cross of Jesus Christ’s crucifixion. A symbol also can be a familiar object that an artist has imbued with greater meaning. A balance or scale, for example, may symbolize justice or the weighing of souls on Judgment Day (FIG. I-7).

Artists may depict figures with unique *attributes* identifying them. In Christian art, for example, each of the authors of the biblical Gospel books, the four evangelists (FIG. I-8), has a distinctive attribute. People can recognize Saint Matthew by the winged man associated with him, John by his eagle, Mark by his lion, and Luke by his ox.

Throughout the history of art, artists have used *personifications*—abstract ideas codified in human form. Because of the fame of the colossal statue set up in New York City’s harbor in 1886, people everywhere visualize Liberty as a robed woman wearing a rayed crown and holding a torch. Four different personifications appear



**I-8** The four evangelists, folio 14 verso of the *Aachen Gospels*, ca. 810. Ink and tempera on vellum, 1' × 9 1/2". Domschatzkammer, Aachen.

Artists depict figures with attributes in order to identify them for viewers. The authors of the four Gospels have distinctive attributes—winged man (Matthew), eagle (John), lion (Mark), and ox (Luke).

1 in.





**I-9** ALBRECHT DÜRER, *The Four Horsemen of the Apocalypse*, ca. 1498. Woodcut, 1' 3 $\frac{1}{4}$ " × 11". Metropolitan Museum of Art, New York (gift of Junius S. Morgan, 1919).

Personifications are abstract ideas codified in human form. Here, Albrecht Dürer represented Death, Famine, War, and Pestilence as four men on charging horses, each one carrying an identifying attribute.

in *The Four Horsemen of the Apocalypse* (FIG. I-9) by German artist ALBRECHT DÜRER (1471–1528). The late-15th-century print is a terrifying depiction of the fateful day at the end of time when, according to the Bible's last book, Death, Famine, War, and Pestilence will annihilate the human race. Dürer personified Death as an emaciated old man with a pitchfork. Famine swings the scales for weighing human souls (compare FIG. I-7). War wields a sword, and Pestilence draws a bow.

Even without considering style and without knowing a work's maker, informed viewers can determine much about the work's period and provenance by iconographical and subject analysis alone. In *The Passion of Sacco and Vanzetti* (FIG. I-6), for example, the two coffins, the trio headed by an academic, and the robed judge in the background are all pictorial clues revealing the painting's subject. The work's date must be after the trial and execution (the *terminus post quem*), probably while the event was still newsworthy. And because the two men's deaths caused the greatest outrage in the United States, the painter–social critic was probably an American.

**Who Made It?** If Ben Shahn had not signed his painting of Sacco and Vanzetti, an art historian could still assign, or *attribute* (make an *attribution* of), the work to him based on knowledge of the artist's personal style. Although signing (and dating) works is quite

common (but by no means universal) today, in the history of art, countless works exist whose artists remain unknown. Because personal style can play a major role in determining the character of an artwork, art historians often try to attribute anonymous works to known artists. Sometimes they assemble a group of works all thought to be by the same person, even though none of the objects in the group is the known work of an artist with a recorded name. Art historians thus reconstruct the careers of artists such as the “Achilles Painter” (FIG. 5-58), the anonymous ancient Greek artist whose masterwork is a depiction of the hero Achilles. Scholars base their attributions on internal evidence, such as the distinctive way that an artist draws or carves drapery folds, earlobes, or flowers. It requires a keen, highly trained eye and long experience to become a *connoisseur*, an expert in assigning artworks to “the hand” of one artist rather than another. Attribution is subjective, of course, and ever open to doubt. For example, for a half-century through 2014, scholars involved with the Rembrandt Research Project debated attributions to the famous 17th-century Dutch painter Rembrandt van Rijn (FIG. 25-15)—and the debate continues today.

Sometimes a group of artists works in the same style at the same time and place. Art historians designate such a group as a *school*. “School” in this sense does not mean an educational institution or art academy. The term connotes only shared chronology, style, and geography. Art historians speak, for example, of the Dutch school of the 17th century and, within it, of subschools such as those of the cities of Haarlem, Utrecht, and Leyden.

**Who Paid for It?** The interest that many art historians show in attribution reflects their conviction that the identity of an artwork's maker is the major reason why the object looks the way it does. For them, personal style is of paramount importance. But in many times and places, artists had little to say about what form their work would take. They toiled in obscurity, doing the bidding of their *patrons*, those who paid them to make individual works or employed them on a continuing basis. The role of patrons in dictating the content and shaping the form of artworks is also an important subject of art historical inquiry.

In the art of portraiture, to name only one category of painting and sculpture, the patron has often played a dominant role in deciding how the artist represented the subject, whether that person was the patron or another individual, such as a spouse, son, or mother. Many Egyptian pharaohs (for example, FIG. 3-13) and some Roman emperors insisted that artists depict them with unlined faces and perfect youthful bodies no matter how old they were when portrayed. In these cases, the state employed the sculptors and painters, and the artists had no choice but to portray their patrons in the officially approved manner. This is why Augustus, who lived to age 76, looks so young in his portraits (FIG. I-10; compare FIG. 7-27). Although Roman emperor for more than 40 years, Augustus demanded that artists always represent him as a young, godlike head of state.

All modes of artistic production reveal the impact of patronage. Learned monks provided the themes for the sculptural decoration of medieval church portals (FIG. I-7). Renaissance princes and popes dictated the subject, size, and materials of artworks destined for display in buildings also constructed according to their specifications. An art historian could make a very long list of commissioned works, and it would indicate that patrons have had diverse tastes and needs throughout history and consequently have demanded different kinds of art. Whenever a patron contracts with an artist or architect to paint, sculpt, or build in a prescribed manner, personal style often becomes a very minor factor in the ultimate appearance



**I-10** Head of the statue of Augustus as pontifex maximus, from Via Labicana, Rome, Italy, late first century BCE. Marble, statue 6' 10" high; detail 1' 4½". Palazzo Massimo alle Terme, Museo Nazionale Romano, Rome.

Patrons frequently dictate the form that their portraits will take. Emperor Augustus demanded that he always be portrayed as a young, godlike head of state even though he lived to age 76.

of the painting, statue, or building. In these cases, the identity of the patron reveals more to art historians than does the identity of the artist or school. The portrait of Augustus illustrated here (FIG. I-10)—showing the emperor wearing a hooded *toga* in his official capacity as *pontifex maximus* (chief priest of the Roman state religion)—was the work of a virtuoso sculptor, a master wielder of hammer and chisel. But scores of similar portraits of this Roman emperor also exist today. They differ in quality but not in kind from this one. The patron, not the artist, determined the character of these artworks. Augustus's public image never varied. *Art through the Ages* highlights the involvement of patrons in the design and production of sculptures, paintings, and buildings throughout the text and in a series of boxed essays called *The Patron's Voice*.

## The Words Art Historians Use

As in all fields of study, art history has its own specialized vocabulary consisting of hundreds of words, but certain basic terms are indispensable for describing artworks and buildings of any time and place. They make up the essential vocabulary of *formal analysis*, the visual analysis of artistic form, and are used whenever one talks or writes about art and architecture. Definitions and discussions of the most important art historical terms follow.

**Form and Composition.** *Form* refers to an object's shape and structure, either in two dimensions (for example, a portrait painted on canvas) or in three dimensions (such as a statue carved from a marble block). Two forms may take the same shape but differ in their color, texture, and other qualities. *Composition* refers to how an artist *composes* (organizes) forms in an artwork, either by placing shapes on a flat surface or by arranging forms in space.

**Material and Technique.** To create art forms, artists shape materials (pigment, clay, marble, gold, and many more) with tools (pens, brushes, chisels, and so forth). Each of the materials and tools available has its own potentialities and limitations. Part of all artists' creative activity is to select the *medium* and instrument most suitable to the purpose—or to develop new media and tools, such as bronze and concrete in antiquity and cameras and computers in modern times. The processes that artists employ, such as applying paint to canvas with a brush, and the distinctive, personal ways that they handle materials constitute their *technique*. Form, material, and technique interrelate and are central to analyzing any work of art.

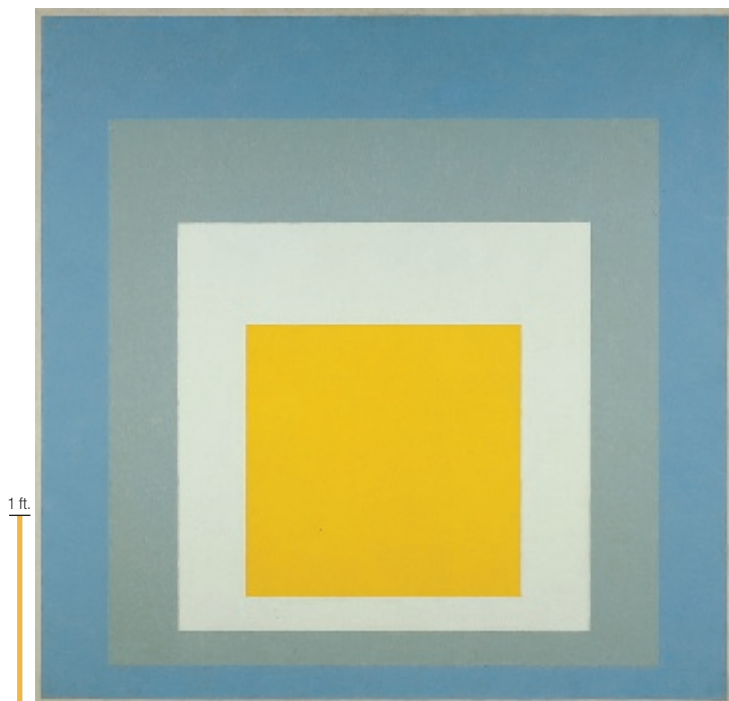
**Line.** Among the most important elements defining an artwork's shape or form is *line*. A line can be understood as the path of a point moving in space, an invisible line of sight. More commonly, however, artists and architects make a line visible by drawing (or chiseling) it on a *plane*, a flat surface. A line may be very thin, wirelike, and delicate. It may be thick and heavy. Or it may alternate quickly from broad to narrow, the strokes jagged or the outline broken. When a continuous line defines an object's outer shape, art historians call it a *contour line*. All of these line qualities are present in Dürer's *Four Horsemen of the Apocalypse* (FIG. I-9). Contour lines define the basic shapes of clouds, human and animal limbs, and weapons. Within the forms, series of short broken lines create shadows and textures. An overall pattern of long parallel strokes suggests the dark sky on the frightening day when the world is about to end.

**Color.** Light reveals all colors. Light in the world of the painter and other artists differs from natural light. Natural light, or sunlight, is whole or *additive light*. As the sum of all the wavelengths composing the visible *spectrum*, it may be disassembled or fragmented into the individual colors of the spectral band. The painter's light in art—the light reflected from pigments and objects—is *subtractive light*. Paint pigments produce their individual colors by reflecting a segment of the spectrum while absorbing all the rest. Green pigment, for example, subtracts or absorbs all the light in the spectrum except that seen as green.

*Hue* is the property giving a color its name. Although the spectrum colors merge into each other, artists usually conceive of their hues as distinct from one another. Color has two basic variables—the apparent amount of light reflected and the apparent purity. A change in one must produce a change in the other. Some terms for these variables are *value* or *tonality* (the degree of lightness or darkness) and *intensity* or *saturation* (the purity of a color, its brightness or dullness).

Artists call the three basic colors—red, yellow, and blue—the *primary colors*. The *secondary colors* result from mixing pairs of primaries: orange (red and yellow), purple (red and blue), and green (yellow and blue). *Complementary colors* represent the pairing of a primary color and the secondary color created from mixing the two other primary colors—red and green, yellow and purple, and blue and orange. They “complement,” or complete, each other, one absorbing the colors that the other reflects.





**I-11** JOSEF ALBERS, *Homage to the Square: “Ascending,”* 1953. Oil on composition board, 3' 7½" × 3' 7½". Whitney Museum of American Art, New York.

Albers created hundreds of paintings using the same composition but employing variations in hue, saturation, and value in order to reveal the relativity and instability of color perception.

Artists can manipulate the appearance of colors, however. One artist who made a systematic investigation of the formal aspects of art, especially color, was JOSEF ALBERS (1888–1976), a German-born artist who emigrated to the United States in 1933. In connection with his studies, Albers created the series *Homage to the Square*—hundreds of paintings, most of which are color variations on the same composition of concentric squares, as in the illustrated example (FIG. I-11). The series reflected Albers’s belief that art originates in “the discrepancy between physical fact and psychic effect.”<sup>1</sup> Because the composition in most of these paintings remains constant, the works succeed in revealing the relativity and instability of color perception. Albers varied the hue, saturation, and value of each square in the paintings in this series. As a result, the sizes of the squares from painting to painting appear to vary (although they remain the same), and the sensations emanating from the paintings range from clashing dissonance to delicate serenity. Albers explained his motivation for focusing on color juxtapositions:

They [the colors] are juxtaposed for various and changing visual effects. . . . Such action, reaction, interaction . . . is sought in order to make obvious how colors influence and change each other; that the same color, for instance—with different grounds or neighbors—looks different. . . . Such color deceptions prove that we see colors almost never unrelated to each other.<sup>2</sup>

**Texture.** The term *texture* refers to the quality of a surface, such as rough or shiny. Art historians distinguish between true texture—that is, the tactile quality of the surface—and represented texture,

as when painters depict an object as having a certain texture even though the pigment is the true texture. Sometimes artists combine different materials of different textures on a single surface, juxtaposing paint with pieces of wood, newspaper, fabric, and so forth. Art historians refer to this mixed-media technique as *collage*. Texture is, of course, a key determinant of any sculpture’s character. People’s first impulse is usually to handle a work of sculpture—even though museum signs often warn “Do not touch!” Sculptors plan for this natural human response, using surfaces varying in texture from rugged coarseness to polished smoothness. Textures are often intrinsic to a material, influencing the type of stone, wood, plastic, clay, or metal that a sculptor selects.

**Space, Mass, and Volume.** *Space* is the bounded or boundless “container” of objects. For art historians, space can be the real three-dimensional space occupied by a statue or a vase or contained within a room or courtyard. Or space can be *illusionistic*, as when painters depict an image (or illusion) of the three-dimensional spatial world on a two-dimensional surface.

*Mass* and *volume* describe three-dimensional objects and space. In both architecture and sculpture, mass is the bulk, density, and weight of matter in space. Yet the mass need not be solid. It can be the exterior form of enclosed space. Mass can apply to a solid Egyptian pyramid or stone statue; to a church, synagogue, or mosque (architectural shells enclosing sometimes vast spaces); and to a hollow metal statue or baked clay pot. Volume is the space that mass organizes, divides, or encloses. It may be a building’s interior spaces, the intervals between a structure’s masses, or the amount of space occupied by a three-dimensional object such as a statue, pot, or chair. Volume and mass describe both the exterior and interior forms of a work of art—the forms of the matter of which it is composed and the spaces immediately around the work and interacting with it.

**Perspective and Foreshortening.** *Perspective* is one of the most important pictorial devices for organizing forms in space. Throughout history, artists have used various types of perspective to create an illusion of depth or space on a two-dimensional surface. The French painter CLAUDE LORRAIN (1600–1682) employed several perspective devices in *Embarkation of the Queen of Sheba* (FIG. I-12), a painting of a biblical episode set in a 17th-century European harbor with an ancient Roman ruin in the left foreground—an irrationally anachronistic combination that the art historian can explain only in the context of the cultural values of the artist’s time and place. In Claude’s painting, the figures and boats on the shoreline are much larger than those in the distance, because decreasing the size of an object makes it appear farther away. The top and bottom of the port building at the painting’s right side are not parallel horizontal lines, as they are in a real building. Instead, the lines converge beyond the structure, leading the viewer’s eye toward the hazy, indistinct sun on the horizon. These three perspective devices—the reduction of figure size, the convergence of diagonal lines, and the blurring of distant forms—have been familiar features of Western art since they were first employed by the ancient Greeks. It is important to state, however, that all kinds of perspective are only pictorial conventions, even when one or more types of perspective may be so common in a given culture that people accept them as “natural” or as “true” means of representing the natural world.

These perspective conventions are by no means universal. In *Waves at Matsushima* (FIG. I-13), a Japanese seascape painting on

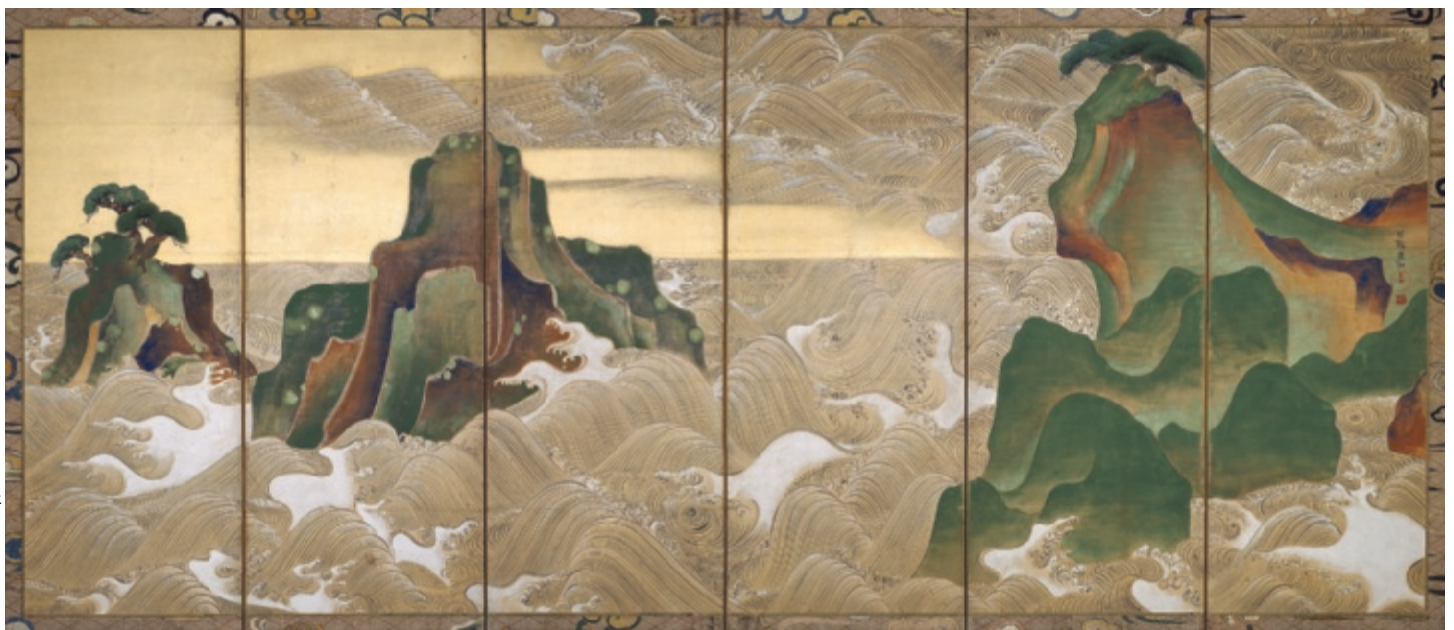


**I-12** CLAUDE LORRAIN, *Embarkation of the Queen of Sheba*, 1648. Oil on canvas, 4' 10" × 6' 4". National Gallery, London.

To create the illusion of a deep landscape, Claude Lorrain employed perspective, reducing the size of and blurring the most distant forms. All diagonal lines converge on a single point.

a six-part folding screen, OGATA KORIN (1658–1716) ignored these Western “tricks” for representing deep space on a flat surface. A Western viewer might interpret the left half of Korin’s composition as depicting the distant horizon, as in the French painting, but the sky is an unnatural gold, and the clouds filling that unnaturally colored sky are almost indistinguishable from the waves below. The rocky outcroppings decrease in size with distance, but all are in sharp focus, and there are no shadows. The Japanese artist was

less concerned with locating the boulders and waves and clouds in space than with composing shapes on a surface, playing the swelling curves of waves and clouds against the jagged contours of the rocks. Neither the French nor the Japanese painting can be said to project “correctly” what viewers “in fact” see. One painting is not a “better” picture of the world than the other. The European and Asian artists simply approached the problem of picture making differently.



**I-13** OGATA KORIN, *Waves at Matsushima*, Edo period, Japan, ca. 1700–1716. Six-panel folding screen, ink, colors, and gold leaf on paper, 4' 11 $\frac{1}{8}$ " × 12'  $\frac{7}{8}$ ". Museum of Fine Arts, Boston (Fenollosa-Weld Collection).

Asian artists rarely employed Western perspective (FIG. I-12). Korin was more concerned with creating an intriguing composition of shapes on a surface than with locating boulders, waves, and clouds in space.