

## IMAGES BY CHAPTER

### Prologue: Why the West?

[0.0 The Mount Wutai Monasteries from the Mogao Cave \(10th Cent.\)](#)

[0.0 The Huizi, the World's First Paper Currency \(c. 1160\)](#)

### Chapter 1: Innovation in World Civilization

#### Pre-History

[1.1 Cave Painting in the Crimea](#)

[1.1 Bronze Age Instruments](#)

#### The Ancient Near East

[1.2 Bronze Age Weapons and Tools](#)

[1.2 Native American Stone Tools and Artifacts](#)

#### The Classical World

[1.3 Egyptian Hieroglyphics](#)

[1.3 Code of Hammurabi \(c. 1754 BCE\)](#)

#### Ancient China

[1.4 Terracotta Army from the Tomb of Chinese Emperor Qin Shi Huang \(c. 210 B.C.\)](#)

[1.4 Qiu Ying, \*Pavilions in the Mountains of the Immortals\* \(1550\)](#)

#### Other Great Civilizations

[1.5 The Ruins of Mohenjo-daro, of the Indus River Civilization \(built c. 2600 B.C.\)](#)

[1.5 Juran, \*Buddhist Monastery by Streams and Mountains\* \(late 10th century\)](#)

[1.5 Scene From the \*Hamzanama\* \(1562–77\)](#)

#### Astonishing Human Ingenuity

[1.6 Machu Picchu \(built c. 1450\)](#)

[1.6 Buddha Statue](#)

[1.6 Samurai from Tokugawa Japan \(19<sup>th</sup> Century\)](#)

#### A Latecomer

[1.7 Baptism of Clovis I](#)

[1.7 Albrecht Dürer, Portrait of Charlemagne \(1511–13\)](#)

### Chapter 2: Medieval Transformations

#### Agricultural Revolution

[2.1 Medieval Horse Team with Horse Collars](#)

[2.1 Josse Lieferinx, \*Saint Sebastian Interceding for the Plague Stricken\* \(c. 1497\)](#)

#### The Rise of Feudal Society

[2.2 Lincoln Cathedral, England](#)

#### The Urban Revolution

[2.3 The Medieval European City](#)

#### Technological Innovations

[2.4 A Mechanical Clock from Ancient China](#)

[2.4 European Mechanical Clock from Salisbury Cathedral](#)

#### Commercial Revolution

[2.5 A Medieval Market](#)

#### Construction Boom

[2.6 Canterbury Cathedral](#)

[2.6 Cathedral Schematic](#)

[2.6 Chichester Cathedral](#)

[2.6 Flying Buttress](#)

[2.6 Salisbury Cathedral](#)

Literary Flowering

[2.7 Dante and the Divine Comedy](#)

Women's Social Status

[2.8 Chinese Foot Binding](#)

The Divine Comedy and Medieval Culture

[2.9 William Blake, \*The Inscription over Hell Gate, The Divine Comedy\*](#)

[2.9 William Blake, \*Dante and Virgil Approaching the Angel who Guards the Entrance of Purgatory\*](#)

Music and Art

[2.10 Giotto di Bondone, \*St Francis Preaching to the Birds\* \(c. 1298\)](#)

### **Chapter 3: Papal Revolution**

The Early Church

[3.1 Library of Ashurbanipal, The Flood Tablet \(c. 2100 B.C.\)](#)

[3.1 Fra Angelico and Fra Filippo Lippi, \*The Adoration of the Magi\* \(c. 1440/1460\)](#)

The Western Church

[3.2 Lorsch Gospels \(c. 800\)](#)

[3.2 Pietro Perugino, \*Christ Handing the Keys to Saint Peter\* \(1481–82\)](#)

[3.2 El Greco, \*Saint Martin of Tours and the Beggar\* \(c. 1597–99\)](#)

Reform Builds

[3.3 Domenico Ghirlandaio, \*Vocation of the Apostles\* \(1481\)](#)

Revolutions in the Church

[3.4 Sandro Botticelli and Domenico Ghirlandaio, \*The Coronation of the Virgin with Saints\* \(1492\)](#)

Revolution in Learning

[3.5 The Prophet Muhammad Leading a Legal Discussion](#)

[3.5 Carolingian Scholars](#)

Revolutions in the Law

[3.6 Heidelberg Sachsenspiegel \(c. 1300\)](#)

[3.6 Pieter Brueghel the Younger, \*The Village Lawyer\* \(c. 1620\)](#)

The Investiture Conflict

[3.7 Hugh of Cluny, Holy Roman Emperor Henry IV, and Matilda of Tuscany \(1115\)](#)

Spiritual Revolutions in the Church

[3.8 Laurentius de Voltolina, \*Medieval University Lecture\* \(c. 1350\)](#)

Political Revolutions in Christendom

[3.9 Domenico Ghirlandaio, \*The Confirmation of the Franciscan Rule\* \(1482-85\)](#)

### **Chapter 4: Military Revolutions**

Ancient and Early Medieval Warfare

[4.1 Bronze Age Weapons from Romania](#)

[4.1 Egyptian Chariot in the Temple of Ramses II](#)

Medieval Warfare

[4.2 Armor for Fighting on Horseback, Germany \(c. 1530-60\)](#)

[4.2 Diagram of Trebuchet \(c. 11<sup>th</sup> to 16<sup>th</sup> Century\)](#)

[4.2 Medieval Fortifications of Provins, France](#)

[4.2 Medieval Fortifications of a Fort in Groningen \(1649\)](#)

European Arms Race

[4.3 Two Armies with Swiss Mercenaries in Novara, Italy \(1500\)](#)

[4.3 Vincenzo Cappello of the Venetian Navy \(c. 1540\)](#)

Infantry Revolution

[4.4 The Battle of Agincourt \(1415\)](#)

[4.4 Albrecht Dürer, \*Five Soldiers and a Turk on Horseback\* \(1495–96\)](#)

War and the Origins of Representative Government

[4.5 \*The English Parliament Meets Before Edward I\* \(c. 1300\)](#)

Gunpowder Revolution

[4.6 The Siege of Orleans \(1428–1429\)](#)

[4.6 Portrait of Charles V of HRE \(1530\)](#)

Revolution in the Nature and Scale of War

[4.7 Instructions for the Use of the Musket \(1607\)](#)

[4.7 Early Seventeenth Century Infantry Equipment \(1615\)](#)

[4.7 Portrait of Maurice of Nassau \(c. 1613-20\)](#)

[4.7 Portrait of Louis XIV of France \(1670\)](#)

## **Chapter 5: Discovery of the World**

Migrations

[5.1 Stonehenge](#)

Internal Colonization

[5.2 Fortress Ordensburg Marienburg in Malbork, Poland \(1274\)](#)

The Crusades

[5.3 Jerusalem, The Church of the Holy Sepulchre](#)

[5.3 Jerusalem, Dome of the Rock \(c. 1890\)](#)

World Travelers

[5.4 Zhang Zeduan, \*Along the River During the Qingming Festival\*](#)

[5.4 Gerbert of Aurillac \(Pope Sylvester II\), \*De Geometria\*](#)

[5.4 Woman Teaching Geometry](#)

[5.4 Western Gates of Beijing](#)

Global Traders

[5.5 Guo Zhongshu, \*Traveling on the River in Clearing Snow\*](#)

[5.5 Compass Rose from Catalan Atlas \(1375\)](#)

[5.5 Cristoforo de' Grassi, Painting of Genoese Fleet \(1481\)](#)

Seafarers and Explorers

[5.6 Sebastiao Lopes, Painting of Carrack \(1565\)](#)

Conquerors

[5.7 Arrival of Cortés in Veracruz \(1519\)](#)

## **Chapter 6: Explosion of the Printed Word**

Icon, Token, Symbol

[6.1 Cave Painting in the Crimea](#)

[6.1 Library of Ashurbanipal, the Flood Tablet](#)

[6.1 Egyptian Hieroglyphics, Field Museum, Chicago](#)

Papyrus, Scroll, Codex

[6.2 Papyrus Manuscript from Oxyrhynchus, Egypt](#)

[6.2 Carolingian Illuminated Manuscript \(c. 850\)](#)

Libraries

[6.3 Tablet from the Library of Ashurbanipal](#)

The Printing Revolution

[6.4 Johannes Gutenberg](#)

[6.4 The Printing Press](#)

[6.4 Woodblock Art from Japan \(c. 1830\)](#)

Publishing Boom

[6.4 The Canterbury Tales by Chaucer, Woodcut 15th Century](#)

[6.5 Knight from the Canterbury Tales by Chaucer, Woodcut 15th Century](#)

[6.5 Albrecht Dürer, \*Melencolia I\* \(1514\)](#)

[6.5 The Rotary Printing Press](#)

## Chapter 7: The Reformation

The Renaissance

[7.1 Raphael, \*The School of Athens\* \(1511\)](#)

Worldly Theologians

[7.2 Jörg Breu the Elder, \*The Sale of Indulgences\* \(1530\)](#)

[7.2 Girolamo and Cardinal Marco Corner Investing Marco, Abbot of Carrara, with his Benefice, c. 1520](#)

Voices from Below

[7.3 Meeting of the Council of Constance \(1410–15\)](#)

Luther

[7.4 A Debate between Cardinal Cajetan and Martin Luther \(1518\)](#)

[7.4 Lucas Cranach, Wittenberg Altarpiece, Predella \(1547\)](#)

Social and Political Transformations

[7.5 Rebellious Peasants of the Bundschuh Movement \(c. 1500\)](#)

[7.5 The Burning of Jäcklein Rohrbach \(1525\)](#)

[7.5 Antoine Caron, \*Looting of the Churches of Lyon by the Calvinists\* \(1562\)](#)

Christendom Shattered

[7.6 El Greco, \*Madonna and Child with Saint Martina and Saint Agnes\* \(1597–99\)](#)

[7.6 Sir Peter Paul Rubens, \*The Fall of Phaeton\* \(c. 1604–05\)](#)

[7.6 The Major Branches of Christianity](#)

The Foundations of Modern Rights

[7.7 François Dubois, \*Saint Bartholomew's Day Massacre\* \(1572\)](#)

## Chapter 8: Scientific Revolutions

Ancient and Medieval Roots

[8.1 Advances in the Islamic World by Persian Scientists](#)

Methods and Approaches

[8.2 Frans Hals, \*Portrait of René Descartes\* \(1649\)](#)

Life Sciences

[8.3 Compound Microscope](#)

[8.3 Rembrandt, \*The Anatomy Lesson of Dr. Nicolaes Tulp\* \(1632\)](#)

Cosmology

[8.4 Studying Astronomy and Geometry \(15<sup>th</sup> Century France\)](#)

Demystifying Nature: Chemistry and Electricity

[8.5 Dmitri Mendeleev's Weekly Intellectual Gathering \(1888\)](#)

The Enlightenment

[8.6 Jean-Honoré Fragonard, \*Young Girl Reading\* \(c. 1770\)](#)

The Dark Side of Modern Science

[8.7 Joseph Wright, \*An Experiment on a Bird in an Air Pump\* \(1768\)](#)

## Chapter 9: Commercial Revolutions

Commodity Fetishes

[9.1 First Known Image of a Man Smoking, Chute's Tobacco \(1595\)](#)

[9.1 Idle Men Smoking Cigars in the Lounge \(1857\)](#)

## Agricultural Revolution

[9.2 Pieter Brueghel the Elder, \*Peasant Wedding\* \(1567\)](#)

## Pooling Resources

[9.3 Aelbert Cuyp, \*The Maas at Dordrecht\* \(1650\)](#)

[9.3 Jan de Beijer, \*The Old Stock Exchange\* \(1750\)](#)

[9.3 The Royal Stock Exchange in London \(1837\)](#)

## The Banking Revolution

[9.4 The Great Hall of the Bank of England \(1808\)](#)

## Spreading Risk

[9.5 The Great Fire of London \(1666\)](#)

## Sharing Information

[9.6 Henri Testelin, \*Colbert Presenting the Members of the Royal Academy of Sciences to Louis XIV in 1667\*](#)

[9.6 Lloyd's Subscription Room \(1808\)](#)

## Chapter 10: Political Revolutions

### Foundations of Liberty

[10.1 Lübeck: "Queen of the Hanseatic League" \(1300s\)](#)

[10.1 King Charles VII Attending the \*Parlement\* of Paris \(c. 1450\)](#)

### Early European Self-Government

[10.2 The Battle of Laupen \(1339\)](#)

[10.2 Vincenzo Cappello of the Venetian Navy \(c. 1540\)](#)

[10.2 The Great Assembly of the Dutch States-General \(1651\)](#)

[10.2 Joseph Mallord William Turner, \*Venice: The Dogana and San Giorgio\* \(1834\)](#)

### The English Revolutions

[10.3 Parliament of Henry VIII \(1523\)](#)

[10.3 The Trial of Charles I \(1649\)](#)

### The American Revolution

[10.4 Montesquieu](#)

[10.4 Thomas Cole, \*The Voyage of Life: Childhood\* \(1842\)](#)

### France and the Revolutionary Tradition

[10.5 Charles Monnet, \*The Execution of Louis XVI\*](#)

[10.5 Pierre-Antoine Demachy, \*Festival of the Cult of the Supreme Being\* \(1794\)](#)

[10.5 Jacques-Louis David, \*Napoleon in his Study at the Tuileries\* \(1812\)](#)

## Chapter 11: Industrial Revolution

[11.0 Industrialization in Detroit \(c. 1890\)](#)

### Accumulation of Resources

[11.1 Waterwheels and Iron-Smelting in China \(1313\)](#)

### Perfect Conditions

[11.2 Steam Engine \(c. 1890\)](#)

### Scholarly Disputes

[11.3 The Inhumanity of the Slave Trade \(1792\)](#)

### Chains of Innovation

[11.4 Joseph Mallord William Turner, \*Keelmen Heaving in Coals by Moonlight\* \(1835\)](#)

### Diffusion

[11.5 William Bell Scott, \*Iron and Coal\* \(1855–60\)](#)

## Chapter 12: Technological Revolutions

### Food Production

[12.1 General View of the Union Stock Yards \(1901\)](#)

Harnessing Thunderbolts

[12.2 Edison's Lamp](#)

[12.2 The California Midwinter International Exposition \(1894\)](#)

Flashes of Inspiration

[12.3 Home Insurance Building, Chicago, Illinois \(c. 1884\)](#)

[12.3 Theatrical District, Broad Street, Richmond, Virginia \(1923\)](#)

Explosions in a Box

[12.4 Karl Benz & Co., Early Automobile \(1900\)](#)

Revolutions in Chemistry

[12.5 BASF Factory Complex, Ludwigshafen, Germany \(1881\)](#)

Electronics and Information Revolutions

[12.6 The Brox Sisters & AM Radio \(c. 1925\)](#)

[12.6 Radio Corporation of America \(RCA\) Advertisement \(1939\)](#)

## **Chapter 13: Crises of the West**

Imperialism

[13.1 William Daniell, View of the Canton factories \(1805\)](#)

[13.1 Prussian Dreyse-Needle Gun \(1841–73\)](#)

WWI

[13.2 British World War I Recruitment Poster \(1915\)](#)

Totalitarian Ideologies

[13.3 Chart Describing the Nuremberg Laws \(1935\)](#)

[13.3 Nazi Atrocities Revealed at Dachau \(1945\)](#)

WWII

[13.4 Dead Bodies in Nordhausen Concentration Camp \(1945\)](#)

The Cold War

[13.5 The Fall of the Berlin Wall \(1989\)](#)

## **Chapter 14: Social Revolutions**

The Revolutionary Middle Class

[14.1 Anicet Charles Gabriel Lemonnier, \*Salon de Madame Geoffrin\* \(1812\)](#)

Bringing in One-Half of Humanity

[14.2 Johannes Vermeer, \*Woman Holding a Balance\* \(c. 1664\)](#)

[14.2 Jean-Honoré Fragonard, \*Young Girl Reading\* \(c. 1770\)](#)

Living like Lords and Ladies

[14.3 Camarillo, California \(2007\)](#)

Ending Discrimination

[14.4 Albrecht Dürer, \*The Turkish Family\* \(1495–96\)](#)

[14.4 James J. Jefferies vs. Jack Johnson \(1910\)](#)

Explosions of Rights

[14.5 Anti-Vietnam War Protest \(1967\)](#)

## **Conclusions: A New Kind of Society**