

**Possible topics for Library book selection based on the
Mississippi 2011 Social Studies and 2010 Science Curriculum Frameworks.**

****Kindergarten****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Animal groups
Five senses
Major human body parts
Space – Sun, Earth, planets, sky
Weather – clouds

(Social Studies)

Symbols (state and national, school, community)
Pledge of Allegiance
Patriot songs
Patriotism
Maps / Globes
Directions
Human rights and responsibilities
Economic choices
Conservation
Jobs / Careers
Historical figures
Diverse cultural heritages
Historical events
Holidays

****First Grade****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Animals
Plants
Organisms
Space Science
Bodies of water
Seasons
Weather

(Social Studies)

Map / Globe
Continents, oceans
Directions
Weather
Environment
Human rights and responsibilities
Economic concepts / money
Religions
Family celebrations / customs
Historical figures (Abraham Lincoln, Geronimo,
Davy Crocket, George Washington Carver, etc.)

****Second Grade****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Water cycle
Plants
Animals
Human body systems
Life cycles of plants and animals
Earth's layers

(Social Studies)

Earth's environment
Moon, Planets
Government
Voting process
Maps
Weather
Environment
Civil / Human rights
Democratic process
Human made goods and services
Farming
Cultures
Folklore
Historical figures (Thomas Jefferson, Thomas
Edison, Frederick Douglas, Harriet Tubman,
Susan B. Anthony, etc.)

****Third Grade****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Life Science
Environments – deserts, tundra, forests,
grasslands, taigas, wetlands
Digestive system, Nervous system, Skeletal
system Muscular system
Animals
Cells
Microscope
Earth and Space Science
Development and change in Earth's surface-
erosion, weathering, mountain building,
landslides, volcanoes, earthquakes, floods, etc.
Weather
Water cycle
Pollution
Solar system
Fossils

****Third Grade****

(Social Studies)

Three branches of government
Ecological perspectives
Waste / recycling
Maps / globes
Civil human rights
Volunteerism
Local government
Taxes
Jobs / careers
Cultural artifacts
Celebrations
Historical figures (Martin Luther King, Jr., Betsy Ross, Franklin D. Roosevelt, Rosa Parks, etc.)

****Fourth Grade****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Life Science
Systems of the human body
Photosynthesis
Plants
Pollination process
Cells
Earth and Space Science
Bodies of water
Weather
Environmental issues
Seasons
Constellations
Fossil Fuels

(Social Studies)

Three branches of government
State government (Mississippi)
Ecological perspectives
Waste / recycling
Native American groups (Chickasaw, Choctaw, Natchez, etc.)
Mississippi territory
Slavery in Mississippi
Mississippi's secession from the Union
Civil War
Mississippi's geographical regions
Mississippi's global trade
Good citizenship
Historical figures (Fannie Lou Hamer, Medgar Evers, Martin Luther King, Jr., etc.)
Mississippi's diversity
Natchez Trace

Mississippi River,
Gulf of Mexico
Natural disasters (hurricanes, tornadoes, earthquakes, etc.)
History of Mississippi
Mississippi artists, musicians, writers

****Fifth Grade****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Motion
Gravity
Properties of matter (mass, density, etc.)
Plant and animal cells
Earth and Space Science
Earth's materials (rocks, minerals, soils, etc.)
People and the environment
Planets
Earths resources
Recycling

(Social Studies)

Pre-Columbian civilizations
Earliest explorations
Vikings, Cortez, Ponce de Leon, Hernando De Soto, etc.
Early colonies
Colonial government
Continents
Native Americans
Maps
Columbian Exchange
European settlers
Slavery in North America
Magna Carta
Mayflower Compact
North American / Atlantic trade routes
Native American cultures

****Sixth Grade****

(Science)

Scientific Investigation (Science experiment)
Physical Science
Physical properties of matter
Life Science
Ecosystems
Plant and animal cells
Human diseases
Solar energy
Earth and Space Science
Planets, including Earth
People and the environment
Objects in the universe

(Social Studies)

Three branches of government
Checks and balances
Electoral process
Citizenship
Recycling
Military / veterans
Civic responsibility
Maps
Extreme weather
Ecosystems
Disaster preparedness
Historical documents (Magna Carta, Mayflower Compact, Declaration of Independence, Constitution, Bill of Rights, Emancipation Proclamation, etc.)
American democracy
Hemispheres

****Seventh Grade****

(Science)

Scientific Investigation (science experiment)
Physical Science
Life Science
Land biomes (rainforest, desert, tundra, etc.)
Health care technology
Reproduction
Earth and Space Science
Earth materials (rocks, minerals, etc.)
Planets, including Earth
Climate
NASA's space programs
Solar system
Copernicus
Galileo
Kepler
Weather

(Social Studies)

Earliest human communities
Hominid evolution in Africa
Australopithecines
Homo erectus
Paleolithic cave paintings
Government forms (democracy, aristocracy/oligarchy, absolutism, monarchy, totalitarianism, etc.)
Early civilizations (Egyptian, Mycenaean, Aryan, etc.)
Ancient Rome, China, India, Greece
Economics
Technology and advancement
Archaeological / anthropological findings
Religions (Judaism, Christianity, Islam, etc.)
Middle Ages
Renaissance

****Eighth Grade****

(Science)

Scientific Investigation (science experiment)
Physical Science
Chemical symbols
Chemistry
Periodic table of elements
Motion
Energy
Newton's Three Laws of Motion
Life Science
Cells
Environment
Plant and animal cells
Ecosystems
Single-celled organisms
Earth and Space Science
Lithosphere
Asthenosphere
Volcanoes
Meteorologists
Weather
Hurricanes
Conservation of resources
Global warming
Greenhouse gases

****Eighth Grade****

(Social Studies)

Declaration of Independence
American Revolutionary War
U.S. historical documents
Founding Fathers (Washington, Adams,
Hamilton, Jefferson, etc.)
Technological developments
Transportation improvements
Communication improvements
Westward expansion (Lewis and Clark,
Cherokees, Trail of Tears)
Development of slavery
Civil War
Reconstruction Era
American Revolution
Slaves who gained freedom
Women's suffrage movement (Elizabeth Cady
Stanton, Margaret Fuller, Lucretia Mott, Susan
B. Anthony, etc.)
Civil Rights movement
Industrial Revolution
Immigration
American diversity

****HIGH SCHOOL****

Physical Science

Scientific Investigations
Newton's Three Laws of Motion
Atom
Atomic theory
Scientists: John Dalton, J.J. Thomson, Ernest Rutherford, Newton, Einstein, Neils, Bohr, Louis de Broglie, Erwin Schrodinger, etc.
Periodic Table
Matter, physical and chemical changes

Physics

Scientific Investigation (science experiment)
Physical Science
Forces of motion
Newton's Three Laws of Motion
Gravitational law
Concepts of energy
Characteristics of light and sound
Doppler effect
Magnetism, electric fields, electricity
Nuclear physics

Chemistry

Scientific Investigation (science experiment)
Physical Science
Chemistry
Atomic model of matter
Experiments of Dalton, Thomson, Rutherford, Bohr, de Broglie, Schrodinger
Molecular structure
Periodic Table
Protons, neutrons, electrons

Organic Chemistry

Scientific Investigation (science experiment)
Applied chemistry
Polymers
Polymer Science

Intro to Biology

Scientific Investigation (science experiment)
Atoms, ions, elements, molecules, compounds
Photosynthesis
Ecosystems
Cell structures, etc.
DNA and RNA

Biology I

Scientific Investigation (science experiment)
Physical Science
Life Science
Major biomes
Plant and animal species
Climate
Molecular biology
Chromosomes, gene mutations
Genetic disorders (sickle cell anemia, cystic fibrosis, Downs Syndrome, etc.)

Biology II

Scientific Investigation (science experiment)
Life Science
Photosynthesis, cellular respiration
Molecular basis of heredity
Evolution theory and natural selection
Scientists: Malthus, Wallace, Lyell, Darwin
Ecosystems
Climate
Pollution and recycling
Organism classification

Genetics

Scientific Investigation (science experiment)
Life Science
Cell and cellular organelles
Cell cycle and mitosis
Genetic principles and problems
DNA manipulation
Biotechnology
Genomics

Microbiology

Scientific Investigation (science experiment)
Life Science
Scientists: Robert Koch, Louis Pasteur, John Snow, Edward Jenner, Joseph Lister, Alexander Flemming, etc.
Microbiology
Pathogenic microbiology
Bacteria
Viral diseases (smallpox, polio, influenza, measles, rabies, HIV, etc.)
Microorganisms and food processes

Botany

Scientific Investigation (science experiment)
Life Science
Botanical organization, etc.
Plant reproduction
Plant adaptation and survival

Zoology

Scientific Investigation (science experiment)
Life Science
Animal classification
Animal cycles, behaviors, etc.
Animal genetics and evolution

Marine and Aquatic Science

Scientific Investigation (science experiment)
Earth and Space Science
Aquatic environments
Bodies of water (fresh and salt water)
Aquatic ecosystems
Natural phenomena (hurricanes, floods, drought, etc.)
Careers in aquatic science
Modern technology in aquatic science

Human Anatomy and Physiology

Scientific Investigation (science experiment)
Life Science
Basic organization of the body (body parts)
Human body systems
Skeletal muscles
Nervous system
Endocrine glands and system
Digestive system
Circulatory system
Lymphatic disorders
Urinary system
Hormones
Development of a fetus

Biomedical Research

Scientific Investigation (science experiment)
Life Science
Fetal tissue research
Legalization of drugs
Drug abuse
Euthanasia
Research fraud
Animals in research
Genetic engineering
Universal health care
In vitro fertilization
Human Genome Project
Biomedical technology

Spatial Information Science

Scientific Investigation (science experiment)
Earth and Space Science
Global positioning systems (GPS)

Earth and Space Science

Scientific Investigation (science experiment)
Earth and Space Science
Origin and evolution of the universe
Big Bang Theory
Microwave background radiation
The Hubble constant
Geological history of Earth
Weather and climate
Biomes

Environmental Science

Scientific Investigation (science experiment)
Earth and Space Science
Biosphere
Ecosystems
Environment, conservation, etc.

Geology

Scientific Investigation (science experiment)
Earth and Space Science
Earth's atmosphere and lithosphere
Earth's topography
Geology

Astronomy

Scientific Investigation (science experiment)
Earth and Space Science
Celestial bodies
Universe
Scientists: Ptolemy, Copernicus, Kepler, Newton
Origin of the universe
Newton's Universal Gravitational Law
Kepler's Laws
Solar System
Galaxies

Aerospace Studies

Scientific Investigation (science experiment)
Earth and Space Science
History of flight
Early aviators
Aerospace technology

Intro to World Geography

Cold War
U.S. as a superpower
Physical environments
Civil Rights
Racism
Maps
Cultures

Mississippi Studies

Chickasaw, Choctaw, Natchez Native American groups
Mississippi territory
History of Mississippi
Mississippi's secession from Union
Mississippi geography
Mississippi government
Mississippi in global affairs
Civil Rights Movement in MS
Jim Crow era (Ross Barnett, James Eastland, etc.)
Civil Rights leaders (Fannie Lou Hamer, Medgar Evers, Dr. T.R.M. Howard, James Meredith, Freedom Rides, Freedom Summer, Mississippi Freedom Democratic Party, COFO, CORE, etc.)
Women's suffrage
Immigration rights
Civil War's economic impact
Mississippi artists, musicians, writers

United States Government

American democracy
U.S. Constitution
Founding Fathers
Three branches of government
Voting process
Military
Constitution / amendments
Naturalization
Political systems (feudalism, mercantilism, socialism, fascism, communism, monarchies, parliamentary systems, etc.)
20th Century dictators
Supreme Court rulings (Plessy v. Ferguson, Brown v. Board of Education, Miranda v. Arizona, Regents of the University of California v. Bakke, Adarand Constructors, Inc. v. Pena, United States v. Virginia (VMI), etc.)
Bill of Rights
Sherman Anti-Trust Act
North American Free Trade Agreement
Voting process (lobbying, political action committees, "political art"/cartoons, protest songs, plays, movies, novels, etc.)
Religious diversity
Influence of media on politics

World History

Modern Western world
Government forms (Democracy, aristocracy/oligarchy, absolutism, constitutionalism, totalitarianism, monarchy, republic)

Ideologies (Communism, socialism, liberalism, fascism, nationalism, imperialism)
Industrial revolutions (first and second)
Age of Enlightenment
Initiatives to create international security (Bourbon Family Compact, Concert of Europe, Holy Alliance, League of Nations, United Nations, SEATO, Non-Aligned States, etc.)
World War I
World War II
Cold War
Glorious Revolution of England
American Revolution
French Revolution
Colonial rule (England, France, Germany, Italy, Japan, Netherlands, Russia, Spain, Portugal, U.S.)
Post World War II developments
Napoleon's Continental System
East India Company
Artistic trends (Romanticism, Modernism, Expressionism)
Western political thought and Greek/Roman philosophy, Judaism, and Christianity

United States History (Post Reconstruction to Present)

United States Constitution / Amendments
Supreme Court cases
Welfare reform
Public health insurance
Environment
Natural disasters
Imperialism
Reconstruction
World War I
American involvement in World Wars
Cold War
Middle East / Persian Gulf (U.S. involvement)
Civil Rights Movement
Economics (laissez-faire capitalism, etc.)
Artistic expressions
Cultural artifacts (visual art, literature, music, theater, sports) and historical developments

Psychology

Psychological disorders and treatment
Psychologists
Behavioral stages of maturation
Methods of measuring knowledge (IQ, etc.)
Drugs and mind and body

Sociology

Modern day sociology
Culture
Social groups / problems

Economics

U.S. economy
Gross Domestic Product
Federal Reserve System
Stock market
Finance
Foreign exchange
Poverty in America
Natural resources
Supply and demand
Market economy
Role of government in economics
Entrepreneurship

Advanced World Geography

U.S. / foreign relations
U.S. public opinion
U.S. as a superpower
Emerging powers / countries
Concepts of geography
Maps
Racism
Economic development
Cultural diversity and globalization
Major culture regions of the world

Local Resource Studies

Natural resources in Mississippi
Modern day Mississippi
Mississippi law
Geographic aspects
Mississippi history

Law Related Education

U.S. law
Federal and state law
Legal system in the U.S.
Federalist v. State's rights
Local, state, and federal law enforcement
Civil and criminal penalties
Correctional system
Supreme Court decisions

Minority Studies

Minority groups
The Great Migration
Jim Crow Laws, 19th Amendment, etc.
Significant people from minority groups (Martin Luther King, Jr., Jim Thorpe, Harriet Tubman, etc.)
Holocaust
Trail of Tears
Slavery
Japanese World War II internment
Chinese Exclusion
Cultural traditions, holidays, foods, etc.

Humanities

Ancient and classical civilizations
Cultural aspects (folk dances, poetry, mythology, etc.)
Architecture of selected civilizations
Political movements in ancient civilization
Political leaders in ancient civilization
Major art forms (frescoes, murals, sculptures, opera, music, poetry, literature, etc.)

Local Culture

Maps
Major historical events in a certain culture
Scientific advancements
Environment
Famous people in a particular area
Local government

Personal Leadership

Characteristics and styles of leaders
Importance of citizenship
Public speaking skills
Positive role models

Survey of World Religions

Major world religions
Religion in the United States
Religion and society
Spread of religion
Religion and civil/human rights

Problems in American Democracy

Environmental crisis (desertification, acid rain, ozone depletion, nuclear waste, etc.)
Overpopulation
Civil liberties and civil rights
Poverty
Impact of science and technology

African American Studies

Racism in U.S. society

Slave trade

Plantation life

Government's role (13th, 14th, 15th amendments, reconstruction, Plessy v. Fergusson, Dred Scott case, Brown v. Board of Ed., Bakke Case, etc.)

African Americans and the World Wars

Great Migration

African American politicians

Trans-Atlantic slave trade

Black immigrants (Marcus Garvey, Pele', Claude McKay, Arturo Schomburg)

African Diaspora (Apartheid, Haitian Revolution, establishment of Liberia, etc.)

European colonialism

Black Nationalist / Black Power

Civil Rights movement

Current African American issues

African American inventors

Poverty and African Americans

Musical expressions (gospel/spirituals, blues, jazz, rock and roll, rhythm and blues, hip-hop)

Literary works of African Americans

Black Church tradition

History of the Ancient Middle East

(2000 BC – 100 A.D.)

Ancient Middle East

Archaeological finds in the Middle East

(Hammerabi's Code, the Bible, Dead Sea Scrolls, etc.)