



What Your Child Will Learn In Eighth Grade

Here is just a sample of the *Curriculum Specific to Eighth Grade* at Crestview Academy.

For the complete listing of the curriculum please call the school at 715-835-2275.

Science:

- ❖ Review of Scientific Methods
- ❖ Measurement of Science
- ❖ Physics – motion, velocity and speed
 - Forces -- the concept of force, examples of familiar forces, measuring force, unbalanced forces
 - Density and Buoyancy – work is a relation between force and distance
- ❖ Energy – defined as the ability to do work, kinetic and potential
- ❖ Power – power is a relation between work and time
- ❖ Electricity and Magnetism:
 - Electricity – basic terms and concepts, conductors and insulators, open and closed circuits, electrical safety
 - Electricity as the flow of electrons
 - Static Electricity
 - Flowing electricity
 - Magnetism and Electricity
 - Earth’s magnetism
 - Navigation by magnetic compass
 - Connection between electricity and magnetism
- ❖ Electromagnetic Radiation and Light
 - Waves and electromagnetic radiation
 - The electromagnetic spectrum
- ❖ Refraction and reflection – reflection: concave and convex reflectors; focal point
- ❖ Sound Waves
 - General properties of waves – frequency, speed, crest, trough, amplitude
 - Two kinds of waves: transverse, longitudinal
- ❖ Speed
 - Speed of sound = Mach number
 - Frequency – measured in “cycles per second”
 - Amplitude
- ❖ Atomic Structure – atoms, protons, neutrons, electrons and molecules and early theories of matter
- ❖ Chemical Bonds and Reactions – ionic bond, metallic bond, covalent bond, kinds of reactions, acids, bases, PH
- ❖ Energy, Heat, and Energy Transfer
 - Six forms of energy – mechanical, heat, electrical, wave, chemical, nuclear
 - Sources of energy – fossil fuels, nuclear energy

- Heat – Energy Transfer, states of matter, expansion and contraction, distillation

Science Biographies

- ❖ Niels Bohr, James Maxwell, Charles Steinmetz, Marie Curie, Dorothy Hodgkin, Isaac Newton, Albert Einstein

History and Geography:

- ❖ Review of WWII
 - Three major powers – Soviet Russia, USA, Great Britain
 - Outcomes of WWII
- ❖ The Decline of European Colonialism
 - Creation of British Commonwealth
 - Geography of India and South Asia – Himalayas; Mt. Everest, K-2
 - Rivers – Ganges, Indus, Brahama sutia
 - India – Delhi, Bombay, Calcutta, Madras
- ❖ Creation of People’s Republic of China
 - Mao Zedong – the long march
 - Geography of China – 4,000 year-old culture
- ❖ Physical Features – Yellow River, Yangtze River, Tibetan Plateau, Gobi Desert
- ❖ The Cold War
 - Origins of the Cold War
 - Post WWII devastation in Europe, Marshall Plan, Bretton Woods Conference
 - Truman Doctrine - Formation of NATO, Warsaw Pact, The Iron Curtain, Berlin Airlift
 - The Korean War – Inchon, Partition of Korea
 - America in the Cold War – McCarthyism, The Eisenhower Years, The Kennedy Years, “Ask not what your country can do for you...”
 - Space Exploration – U.S. Moon Landing, Neil Armstrong
 - End of the Cold War – Fall of Berlin Wall, Reunification of Germany, Fall of the Soviet Union, Ronald Reagan, Mikhail Sergeyeovich Gorbachev
- ❖ The Vietnam War
 - Domino Theory – Tet Offensive, American disengagement, Hanoi, Ho chi Minh City (formerly Saigon)
- ❖ The Middle East and Oil Politics

History:

- ❖ Arab-Israeli Wars
- ❖ Six-day War
- ❖ Yom Kippur War

Geography of the Middle East:

- ❖ Nile River, Mesopotamia, “Fertile Crescent”
- ❖ Predominant religion – Islam

- ❖ Israel geography and disputed areas – Jerusalem, Jordan River, West Bank, Sinai Peninsula, Gaza Strip
- ❖ Middle East States, Cities and Areas – Iraq: Baghdad, Kuwait, Saudi Arabia: Riyadh
- ❖ Oil – The worlds’ most valuable commodity

Civics – The Constitution:

- ❖ Overview of the U.S. Constitution
 - Founders View of Human Nature
 - Concept of popular sovereignty; the Preamble
 - Separation of powers
 - Checks and balances
 - Enumeration of powers
 - Separation of Church and State
 - Bill of Rights
 - Legislative Branch – role of powers of congress
 - Structure of congress
 - Judiciary – Supreme Court
- ❖ Eau Claire History and Government
 - Eau Claire’s Developmental Stages
 - Logging Era
 - Peshtigo Fire
 - Railroads
 - Manufacturing Era
- ❖ Historical Events Impacting Eau Claire
- ❖ Education in Eau Claire
- ❖ Geography in Eau Claire
- ❖ Location on Chippewa River & Eau Claire River
- ❖ Dells Pond and Half Moon Lake
- ❖ Mt. Simon
- ❖ Eau Claire Government

Arts: Middle School Art Elective Choices (course choices vary from semester to semester and from year to year)

- ❖ Cultural Art
- ❖ Sketching
- ❖ Sculpting with Clay
- ❖ Textiles
- ❖ Print
- ❖ Drama
- ❖ Abstract Art

Music: Middle School Music Elective Choices

- ❖ Beginning and Advanced Band
- ❖ Choir
- ❖ Guitar I and II

Clubs: Middle School Clubs (meet once weekly)

- ❖ Craft Club
- ❖ Worship Team
- ❖ Yearbook Club
- ❖ Gaming Club

Christian Principles: (See Christian Scope and Sequence)

- ❖ The students will study specific books of the Bible.
- ❖ Knowledge questions along with application questions will be used as discussion points.

Physical Education:

- ❖ Sportsmanship
- ❖ Fitness
- ❖ Teams
- ❖ Nutrition
- ❖ Health
- ❖ Basic rules and skills of volleyball, dance, basketball, gymnastics, softball, track and field

Virtues Program:

- ❖ Confidence
- ❖ Creativity
- ❖ Moderation
- ❖ Modesty
- ❖ Tact
- ❖ Joyfulness
- ❖ Unity
- ❖ Purposefulness

Reading:

- ❖ Expository Writing
- ❖ Thesis and essay study and writing
- ❖ Drama
- ❖ World Literature

Books:

- “Pilgrim’s Progress”
- “The Giver”

