

Science

Biology

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=347734&type=u

(General idea of topics covered)

Science Safety and Evidence-Based Thinking

Ecology

Biochemistry

Cells

Cellular Processes: Photosynthesis and Respiration

Cellular Processes: Cell Cycle

Cellular Processes: Protein Synthesis

Genetics and Heredity

Evolution

Classification

Viruses, Bacteria, and Protists

Plant Structures and Adaptations

Body Systems

Making Connections

<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.34>

www.studyisland.com

IPC

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=372617&type=u

(General idea of topics covered)

Laboratory Management

Organization of Matter

Chemical Reactions

Environmental Impact of Chemical Reactions

Solutions

Motion: Position, Speed, and Acceleration

Motion: Forces and Momentum

Energy: Potential and Kinetic

Energy: Waves

Energy: Electricity

Energy: Thermal Energy Transfer and Conservation

Energy: Societal Impacts

<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.38>

www.studyisland.com

Chemistry

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=347760&type=u (Walsingham)

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=372617&type=u (Troy)

(General idea of topics covered)

Laboratory Management

Matter

Atomic Structure and the Periodic Table

Chemical Bonding

Chemical Formulas

Mole Concept

Chemical Equations and Reactions

Stoichiometry

Gases

Solutions

Reactivity

Thermochemistry

Nuclear Chemistry

Chemistry Connections

<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.35>

www.studyisland.com

Physics/AP Physics/Pre-AP Physics

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=347762&type=u (Yoder)

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=347760&type=u (Walsingham)

(General idea of topics covered)

Physics skills and processes

Kinematics in One-Dimension and Graphing Motion

Newton's Laws of Motion

Two-Dimensional Motion

Universal Gravitation

Conservation of Energy

Conservation of Momentum

Thermodynamics

Mechanical Waves: Properties and Applications

Electromagnetic Waves

Electrostatics: Forces, Fields, and Energy

Current Electricity

Magnetic Fields and electromagnetism

Atomic, Nuclear, and Quantum Physics

Physics is Everywhere

<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.39> (Physics)

<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112d.html#112.64> (AP Physics)

www.studyisland.com

Anatomy and Physiology

http://ahs.academyisd.net/apps/pages/index.jsp?uREC_ID=372617&type=u