

Name of Course – Physical Science

Course Length – (Full year)

Class Textbook/Materials – All text materials are published by Holt, Rinehart, and Winston in copyright 2007. Introduction to Matter (ISBN # 0-03-050092-3), Interactions of Matter (ISBN # 0-03-050102-4), Forces, Motion, and Energy (ISBN # 0-03-050112-1), and Electricity and Magnetism (ISBN # 0-03-050122-9).

Description of the course – Students will be introduced to essential topics in chemistry and physics that will serve as a basis of knowledge for a successful transition to high school science curriculum. Such topics will include but may not be limited to properties, states and interactions of matter, and forces and motion involving matter. The curriculum will be supplemented with the “Jason Project” through the “Infinite Potential” curriculum.

Course content and learning objectives – Units of study include the following: Properties of Matter, States of Matter, Elements, Compounds and Mixtures, Introduction to the Atom, Periodic Table, Chemical Bonding, Chemical Reactions, Chemical Compounds, Matter in Motion, Forces and Motion, Forces in Fluids, Work and Machines, Energy and Energy Resources, Heat and Heat Technology, and Introduction to Electrical Energy. Each of these units will be assessed with formal chapter assessments, daily reinforcement and review, laboratory activities and inquiry units as well as projects when applicable.

Daily/weekly assignments, grading procedures, and special projects Grades are based on an average of total points for the grading period. Tests, quizzes and major projects are assessed a higher point value than general daily assignments and are determined by the individual instructor.

Procedures for Placement from 8th grade to High School:

Student will be recommended for Quality Core Biology, Biology, or Earth Science as an incoming Freshman based on the following criteria: cumulative grades, curriculum related assessments, formal assessments, class work, and participation in class discussion and activities.

Questions regarding final placement should be directed to the high school administration.

According to Geneseo CUSD #228 School Board Policy 6:60 and in compliance with Illinois School Code:

- In kindergarten through grade 8, subjects include: (a) language arts, (b) reading, (c) other communication skills, (d) science, (e) mathematics, (f) social studies, (g) art, (h) music, and (i) drug and substance abuse prevention.
- In all grades, character education must be taught including respect, responsibility, fairness, caring, trustworthiness, and citizenship in order to raise students’ honesty, kindness, justice, discipline, respect for others, and moral courage.