

Mill Creek Middle School

Course Name: Science

Grade Level: 8th

Teacher name: Mr. Kyle Miller

Teacher Contact Information:

Classroom Phone: 734-42404150 x5201

Teacher email: millerk@dexterschools.org

Team website: <http://gmsteam.weebly.com>

Team Conference period: 8:15-9:25 am

Course description - Science is all about questioning, exploring, testing, and discovering new things about the world around you. 8th Grade science is all about hands on inquisitive learning in the physical sciences. We will explore everything from dissecting an eyeball to creating mousetrap cars, building circuits, and looking at the building blocks of the world in a fun and safe manner.

Course Goals, Topics to be Covered:

The eighth grade science curriculum at Mill Creek Middle School focuses on the physical sciences. The unifying theme of our work is "Energy Transformations." One half of the year is devoted to chemistry, and the other half to physics. The content of the course is based on High School Content Expectations (HSCEs) from the high school chemistry and physics courses. Activities include many labs, hands on projects, research projects, and collaborative learning. Units include: Scientific Inquiry and Lab Safety; Chemistry; Sound and Light; Forces and Motion; and Electricity.

Materials Required:

- 1.5" 3-ring binder w/college-ruled loose leaf paper
- Dividers
- 2-pocket folder
- Calculator
- Pencils
- Pens
- Highlighters

Textbook

Students are not issued a textbook for science. Instead, students build a notebook for each unit of study. Teachers provide handouts with course content, and provide a system for keeping binders organized.

Grading system and Criteria for Evaluation:

Please see our Team Policies document for a detailed explanation of Mill Creek's grading system.

Guide to Resources/Tools for Student Success:

Mr. Miller's Science Website (found on team webpage):

<http://millcreekteam8.weebly.com>

Michigan High School Content Expectations (HSCEs) for Physics and Chemistry:

http://www.michigan.gov/mde/0,1607,7-140-38924_41644_42814---,00.html

Online Course Specific Resources in Moodle:

<http://moodle.dexterschools.org>