

Course Title: Grade 5 Science
Credit (Secondary):

Board Approval Date: June, 2018

Grade Level / Course Summary with Big Ideas:

The Lewisburg Area School District fifth grade maximizes student learning by providing science instruction aligned with the Pennsylvania State Standards for Science and Technology, and the Next Generation Science Standards, including units on Scientific Method and Inquiry, Force and Motion, Earth and Sun, Mixtures and Solutions, STEM, and Coding.

Grade Level Modules (Units):

Suggested Timeline
of Weeks or # of Class Periods/Lessons

1. Scientific Method and Inquiry – 90 – 45 minute class periods
2. Force and Motion – 28 – 45 minute class periods
3. Earth and Sun - 28 – 45 minute class periods
4. Mixtures and Solutions - 28 – 45 minute class periods
5. STEM - 90 – 45 minute class periods
6. Coding - 6 – 45 minute class periods

Learning Activities/Modes of Formative and Summative Assessment:

Large group instruction
Tests and Quizzes
Checklists / Teacher Observation
Hands-on Lab activities
Small group work
Projects with Rubrics
Writing in Response
Research Projects
Think-Aloud
Science Notebook
Vocabulary Development
Graphic Organizers

Primary Instructional Resources:

Science Kits:

Motion and Design – **National Science Resource Center**

Earth and Sun - **FOSS – Next Generation**

Mixtures and Solutions - **FOSS – Next Generation**

Science Resources (Non-fiction literature)

Motion and Design - **National Science Resource Center**

Earth and Sun - **FOSS – Next Generation**

Mixtures and Solutions - **FOSS – Next Generation**

Kids Discover Climate

Kids Discover Energy

Kids Discover Weather

Appropriate Internet Resources – FOSSweb.com, code.org, others