

Grade Level / Course Summary with Big Ideas:

The Lewisburg Area School District Third Grade maximizes student learning by creating interactive science instruction aligned with the Pennsylvania State Standards and the NGSS. The students acquire knowledge and skills in: Forces and Interactions (i.e. motion, electricity, and magnets), Relationships in Ecosystems (i.e. fossils, habitats, adaptations, and survival), Inheritance and Variations in Traits (i.e. life cycles and genetics), and Weather and Climate (severe weather, tools, and impact). Students will be exposed to STEM concepts through their instruction and project based learning experiences.

Grade Level Modules (Units):

Suggested Timeline
of Weeks or # of Class Periods/Lessons

1. Unit 1: Forces and Interactions	20 Days
2. Unit 2: Interdependent Relationships in Ecosystems	25 Days
3. Unit 3: Inheritance and Variations of Trait: Life Cycles and Traits	25 Days
4. Unit 4: Weather and Climate	20 Days

Learning Activities/Modes of Formative and Summative Assessment:

• Whole group instruction	Shared Reading of non-fiction texts
• Small group instruction	Teacher created activities
• Partner work/cooperative learning	Teacher created quizzes and tests
• Interactive whiteboard instruction	Teacher observation
• Computer programs and websites	
• Inquiry Based/Hands-On Science Activities (STEM)	

Primary Instructional Resources:

- Next Generation Science Resource Bins, Rourke Educational Media, 2017 Arnhilda Badia et.al.,
- Electric Circuits; Science and Technology for Children, Carolina Biological Supply Company, National Academy of Sciences, 2004
- Chemical Tests; Science and Technology for Children, Carolina Biological Supply Company, National Academy of Sciences, 2004 Sarah A. Maineri et.al.,
- Weather Instruments; Delta Science Readers, Delta Education, 2003
- Will & Mary Pope Osborne, Magic Tree House Research Guide: Rain Forests; Scholastic, Inc. 2001
- Brain Pop and Brain Pop, Jr.; Internet Site
- Age-appropriate Internet resources books