



Mad Science Workshops & 2nd Grade Science

Unit 1: Scientific Investigation – *Physical Science*

- [Mad Science Workshop – Any](#)
- [Mad Science Workshop – Invent-ation](#)

These workshops address all Essential to know and Important to know benchmarks

Unit 2: The Earth – *Earth/Space Science*

- [Mad Science Workshop – The Dirt on Garbage](#)
- [Mad Science Workshop – Mineral Mania](#)

These workshops addresses – Essential to know and Important to know benchmarks

Concepts: **The Earth**

- Solid material making up the earth comes in all sizes
- People influence the quality of life around them
- Human activities affect plants, animals and our environment around us

Unit 3: Classification – *Physical Science*

- [Mad Science Workshop – Matter of Fact](#)

This workshop addresses all Essential to know benchmarks

Concepts: **Classification**

- Matter can be classified through observing and grouping objects according to their physical characteristics, and similarities and differences

Unit 4: Energy – *Physical Science*

- [Mad Science Workshop – Energy Burst](#)

This workshop addresses most Essential to know and Important to know benchmarks

Concepts: **Energy**

- The sun supplies heat and energy
- Light can pass through some objects but not others
- Heat energy can be produced in many ways
- Recognized the different forms of matter and energy and differentiate between the two

Unit 5 and 6: Survival – *Life Science*

- [Mad Science Workshop – All about Animals](#)
- [Mad Science Workshop – Decomposers](#)
- [Mad Science Workshop – Ecosystems](#)

These workshops address all most Essential to know and Important to know benchmarks

Concepts: **Survival**

- Life occurs on or near the surface of the earth
- Understand the basic needs of all living things
- Organisms change and grow as they mature
- Plants and animals are dependent upon each other for survival
- Different environments have different plants and animals
- All living things have 3 essential needs (food, water shelter)
- Human activities affects plants and animals in many ways
- Understand a basic energy cycle in an environment and the many different types of environments
- All living things have structures that are adapted to living in their environment
- All environments have living and non living parts