



# Mad Science Workshops & 1st Grade Science

## Unit 1: Solid, Liquid and Gas – *Physical Science*

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

*These workshops address all “Important to know” benchmarks*

Concepts: **Solids Liquids and Gases:**

- Are affected by heating and cooling
- Are states of matter, and composed of parts too small to be seen without magnification
- Each state of matter had uniquely different characteristics

## Unit 2: Living Things - *Life Science*

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

*These workshops address all “Essential to know” and “Important to know” benchmarks*

Concepts: **Living things:**

- Change and grow as they mature
- Have basic needs for survival – Food, water and shelter
- Reproduce as opposed to nonliving things that don't
- Produce offspring similar to parents but may have differences
- Are part of a food chain

## Unit 3: Movement - *Physical Science*

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

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

Concepts: **Movement**

- Can occur at different speeds when different forces are applied
- Is determined by the amount and direction of the force exerted
- Is affected by gravity

## Unit 4: Night and Day – *Earth Science*

- [Mad Science Workshop – Space](#)

Concepts: **Night & Day**

- Know that sun supplies heat and energy to the earth
- Know that the earth rotates causing daylight and nighttime
- Know that there are many objects in the sky visible only at night

## Unit 5: Sound - *Physical Science*

- [Mad Science Workshop – Sound Basics](#)
- [Mad Science Workshop – Sonic Sound](#)

*These workshops address all Essential to know benchmarks*

Concepts: **Sound**

- Is a form of energy produced by vibrating objects and waves
- Sound waves travel through matter and cause vibrations which can be felt and/or heard
- Sound waves travel differently through different states of matter
- Sound has pitch and loudness that can be altered