



## Meeting MONTANA State Science Standards with eCYBERMISSION

The eCYBERMISSION program gives students the chance to explore how science, technology, engineering, and mathematics work in their world. This emphasis on STEM and a chance for students to engage in inquiry practices makes eCYBERMISSION an excellent addition to your classroom. Below you can find the Montana state science standards that align with eCYBERMISSION. Also, based on the direction you give your students their specific investigations can meet content standards (not listed here).

From Montana Science Content Standards 2016

For purposes of science content standards contained in the Administrative Rules of Montana (ARM), the following definitions apply.

"Crosscutting concepts" are those that connect learning across the different areas of disciplinary content. They are:

- patterns
- cause and effect
- scale, proportion, and quantity
- systems and system models
- energy and matter, flows, cycles, and conservation
- structure and function
- stability and change

"Science and engineering practices" are methods of inquiry by which ideas are developed and refined. They are:

- asking questions as it applies to science and defining problems as it applies to engineering
- developing and using models
- planning and carrying out investigations
- analyzing and interpreting data
- using mathematics and computational thinking
- constructing explanations as it applies to science and designing solutions as it applies to engineering
- engaging in argument from evidence
- obtaining, evaluating, and communicating information.