Possible Topics (or come up with your own)

Astronomy/Space Science Topics

Was there water on Mars? Apollo Missions

Why isn't Pluto a Planet? Elliptical Orbits

Halley's comet What are comets?

What are potentially hazardous asteroids? The Contributions of Galileo (or other scientists)

What killed the dinosaurs? What causes seasons?

What causes the auroras? What is a meteor shower?

The International Space Station The Tunguska Event

How did we get to the Moon? Geostationary Satellites

Why are there Moon Phases? Scale Model of the Solar System

The moons of Jupiter The shapes of orbits (planets, comets, etc.)

Probes that have explored Mars Solar Cycle (Sunspot Cycle)

Space Shuttle Program Why do eclipses happen?

Mercury, Gemini, or Apollo Program

Geology Topics

The Cascadia Earthquake of 1700 The ancient Elkhorm Volcano

Leonoard the Mummified Dinosaur Formation of the Little Rockies

What happened at Lake Nyos? What goes on at Ash Grove?

Mass Wasting in the Gates of the Mountains Montana during the Cretaceous Period

Formation of the Madison Limestone How did the Helena Valley form?

Helena area faults and earthquakes East Helena Lead Smelter

East Helena Superfund Site The Boulder Batholith

Egg Mountain Fossil Site Mammoth Fossil Site in SD

Ashfall Fossil Site in NE Labrea Tar Pits

Belt Meteor Crater and other sinkholes How do varves form?

Glacial Lakes of Montana Floods of Glacial Lake Missoula

Why does Montana have so much coal? Where does electricity come from?

What's so unusual about Chief Mountain form?

Lewis and Clark Caverns

Mt. Mazama's Ash in Montana The K-T Boundary

Tsunamis Volcanoes of the WA/OR

Past Eruptions of Yellowstone The Bodies of Pompei

Frost Wedging Chemical Weathering

The Alaskan Pipeline Pipelines in Montana

Types of Fossils What is limestone used for?

Madison Canyon Landslide Refraction of Seismic Waves

Helena Quakes of 1935 Helena Area Liquefaction Concerns

Meteorology Topics

Why are Chinook winds warm? How do clouds form?

What are microbursts? Tornadoes in Montana

Super-Cooled Water/Latent Heat Why does it get colder as you go up?

What's a dew point? How does a psychrometer work?

What causes wind? (convection) What is a temperature inversion?

Montana during the last Ice Age Cold Fronts and Warm Fronts

The Contributions of Fujita (or other scientists)

How do wind generators work?

Why is Livingston so dang windy?

Lake sediment cores

Tree-Ring Analysis What do ice cores tell us?

Japanese Balloon Bombs of WWII Weather Balloons and the Jet Streams

How does RADAR work? Weather Satellites

What is a storm surge?

Hydrology Topics

Montana Drainage Basins The Helena Valley Watershed

The Helena Valley Aquifer Floods of 2011

How do septic systems work? Montana's Deadly Flood of 1964

Giant Springs: An Artesian Situation The Mississippi Delta

What is a watershed? Oil Spill on the Yellowstone River

Removal of the Milltown Dam

The Berkeley Pit

How do dams generate electricity? Montana's Snotel System

Where does your water come from? Sewage Treatment in the Helena Area

What is hard water?

Oceanography Topics

What is El Nino? What is La Nina?

Why is the Oceanic Conveyor Belt important?

Density Currents

Western Interior Seaway Tsunami Warning System

What if the conveyor belt stops?

The Coriolis Effect

Tsunami Debris Headed Toward USA

IMPORTANT: You can choose a topic from the list, or you can come up with your own.