

Homeschool Day at PARI Curriculum

Friday, May 2, 2008

Grades K-2

Wind: What causes the wind? How can we measure it? We will make a simple anemometer to measure wind speed at home.

Rain: Rain, rain go away! Come again some other day. We will learn what causes rain to fall and build a rain gauge to measure how much comes down. Warning - you might get a little wet.

Seasons in the StarLab: Winter, spring, summer and fall. Learn why the Earth has different seasons!

Grades 3-5

Wind and Temperature: Get started on your own weather station! We will build instruments to measure wind speed and temperature.

Clouds and Rain: Rain, rain go away! Come again some other day. Learn about the different types of clouds and which types mean rain. Build a rain gauge and test it outdoors! Warning - you might get a little wet.

Seasons in the StarLab: Winter, spring, summer and fall. Learn why the Earth has different seasons!

Grades 6-8

Temperature and Pressure: Get started on your own weather station! We will build instruments to measure temperature, air pressure and humidity. Learn how to use these to predict tomorrow's weather!

Wind, Clouds and Rain: Rain, rain go away! Come again some other day. Learn about the different types of clouds and which types mean rain. Build a rain gauge and anemometer. We will test these outdoors so come ready to get a little wet.

Atmospheres in the StarLab: Learn how pressure systems and atmospheric circulations on Earth affect the weather where you live.

Grades 9-12

Gas Laws: Investigate the relationship between the pressure, density and temperature of gases.

Planetary Atmospheres: Learn about the chemistry of atmospheres on other planets and apply the ideal gas law.

Atmospheres in the StarLab: Learn how pressure systems and atmospheric circulations on Earth affect the weather where you live.