

P-H-M Planetarium/Space Museum

"Show Schedule 2010-2011 School Year"

All shows are \$3 Adults, \$2 Seniors \$1 Kids

"Breakfast With Santa" (\$6.50 Adults, \$5.50 Children)
minutes

All shows run between 30 to 45

BEGINNING ASTRONOMY PT. 1 September 16 Thursday 6:30 pm

If you ever wanted to become acquainted with the night sky this is the show to see. This live presentation will cover many aspects of the current naked eye visible night sky. It will include planets, constellations, apparent sky motion and circumpolar constellations viewed from Northern Indiana, the North Pole and the Equator.

BEGINNING ASTRONOMY PT. 2 September 23 Thursday 6:30 pm

Another set of Astronomy lessons reviewing the concepts covered in Astronomy Pt. 1, plus: more constellations, and reasons for the seasons. As well as star colors and what they mean. If we have time we'll demonstrate and explain moon phases.

OUR PLACE IN SPACE October 7 Thursday 6:30 pm

Kindergarten students, and adults as well will enjoy this trip through the Universe. It features such things as how and why the Sun moves across the sky; the turning Earth, day and night, planets and stars in general. This is a great program for young kids as well as adults.

THE WEATHER MACHINE October 14 Thursday 6:30 pm

This exciting program is divided into several segments that will answer such questions as: What causes weather? How are tornadoes and hurricanes formed? What is lightning and why is it so dangerous? And, can we predict the weather by observing the Moon and stars? Between these Earth weather segments, actual television weather casters present not the weather of Earth, but the weather of the other eight planets. These forecasters discuss the heat of Venus, the storms of Jupiter, and the frozen atmosphere of Pluto...making "The Weather Machine" a first-class weather and solar system program.

TWO LITTLE PIECES OF GLASS November 4 Thursday 6:30 pm

This combined special effects, current evening star-field, and video presentation will cover the invention and current use of a telescope. It will include a telescope demonstration, and what telescopes to buy and not buy.

SUN'S FAMILY (Solar System) November 11 Thursday 6:30 pm

We will explore the Solar system via video, planetarium special effects and the current evening and morning sky.

BREAKFAST WITH SANTA December 4 Saturday 9:00am & 10:00am

Enjoy a fabulous breakfast in the Bittersweet Elementary cafeteria with Santa. Following breakfast, you will enter the Planetarium to see our 30-minute presentation titled:

"Holiday Laser." **Tickets must be purchased in advance** from the PHM Community Education Office located at the ESC.
Cost: Adult \$6.50 Child \$5.50

Holiday Shows

A STAR FOR SANTA'S TREE **December 7 Tuesday 6:30 pm**

Three short stories, two sing-along songs and a grand finale surprise make up this show. It is loaded with special effects, slides, and music. The Planetarium is decorated with moving: elves, Santa Claus and Mrs. Claus; electric train, moving lights, Christmas trees, and a very large Dickens Village.

HOLIDAY LASER **December 1, 9, 16 6:30 pm**

This is a professional laser light show, which contains 12 holiday songs accompanying laser animations. The planetarium will be decked out as a winter wonderland.

Tis THE SEASON... **December 14 Tuesday 6:30 pm**

The show traces the development of many of the world's endearing holiday customs, and how they involve lighting up the winter season—from the burning Yule log and sparkling Christmas tree lights to the lighting of the Menorah and luminarias. In addition, we will be detectives trying to solve the mystery of the Star Over Bethlehem

THE WINTER NIGHT SKY **January 13 Thursday 6:30 pm**

Come and join us for an overview of the current winter night sky, which includes constellations, stars, colors of stars, Milky Way, and planets.

25TH ANNIVERSARY OF CHALLENGER **January 27 Thursday 6:30 pm**

The show will honor the crew of STS 51L known today as the "Challenger Accident," which occurred on January 28, 1986. We will demonstrate the events that took place, which destroyed the Challenger, 73 seconds into its flight. Following the demonstration we'll present a 20-minute investigative video on the accident. We'll also explain and demonstrate the destruction of the Shuttle Columbia on February 1st, 2003.

HISTORY OF HUMAN SPACE EXPLORATION **February 10 Thursday 6:30 pm**

This 60-minute presentation details the main events of Manned Space Flight. This program is segmented so that about every 90 seconds we stop the video to point to the related artifacts in our Space Museum.

RUSTY ROCKET'S LAST BLAST **February 24 Thursday 6:30 pm**

Instructor Rusty Rocket takes a class of rookies on a tour of the Solar System by discussing basic rocket physics, recounting great moments in space exploration, pointing out unique planetary features, and emphasizing the great distances that separate the planets. Rusty encourages his audience to seek answers to their own questions about the universe as he explains how long it would take to deliver a pizza to Pluto.

WONDERS OF THE UNIVERSE

March 10

Thursday

6:30pm

A discussion and video presentation will explain the wonders of the Universe featuring the latest Hubble Telescope images.

ADVENTURES ALONG THE SPECTRUM

March 24

Thursday

6:30 pm

Professor Photon takes us on a humorous adventure along the energy spectrum also known as visible and invisible light. By comparing and contrasting sound waves from a piano (which he plays very poorly) to the energy spectrum the audience will be able to understand that the universe is made up of energy we can see and can't see... and what we can't see is very exciting.

THE SPRING / SUMMER SKY

April 21

Thursday

6:30pm

We will present the current night sky as well as the sky for the entire summer. Weather permitting we will examine the sky with our telescopes.