

P-H-M Planetarium/Space Museum

"Show Schedule 2009-2010"

All shows are **\$3 Adults, \$1 Kids** except for "Breakfast With Santa" (**\$6.50 Adults, \$5.50 Children**)

All shows run between 30 to 45 minutes

BEGINNING ASTRONOMY PT. 1 **September 17 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. This is an audience friendly show, which allows for many questions and hopefully a few answers.

BEGINNING ASTRONOMY PT. 2 **September 24 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. This is an audience friendly show, which allows for questions and hopefully a few answers.

OUR PLACE IN SPACE **October 8 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 15 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.

LET THERE BE NIGHT **November 5 Thursday 6:30 pm**

This combined special effects, current evening star-field, and video presentation will cover aspects of outdoor lighting issues. It will include two demonstrations regarding light pollution, which will show how it diminishes our view of the night sky as well as costing us billions in wasted energy. We will detail how we can save money by conserving our energy output.

THE SUN'S FAMILY (Solar System) **November 12 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 5 Saturday 9:00AM & 10:30**

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

A STAR FOR SANTA'S TREE

December 6 Sunday 1:00 pm
December 13 Sunday 1:00 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 6 Sunday 2:30 pm
December 9 Wednesday 6:30 pm
December 12 Saturday 9:00 am & 10:00

am

December 13 Sunday 2:30 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 17 Thursday 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.

From Egyptians and Celts to Hopi's and Romans learn about the rich variety of religious and cultural rituals practiced during the winter solstice. Light-hearted, seasonal traditions are also examined including gift giving, kissing under the mistletoe, and decking the halls with greenery and candles. St. Nicholas, Santa Claus, Sinterklaas, Kris Kringle and Father Christmas will each make a personal appearance. Finally, a lesson in astronomy explains how and why we have seasons along with identifying constellations, comets, meteors and supernovae.

THE WINTER NIGHT SKY

January 14 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.

THE WONDERS OF THE UNIVERSE

January 28 Thursday 6:30 pm

We will peer deep into space through the eyes of the orbiting Hubble Space Telescope and travel back billions of years in time to witness the birth of the Universe. You will see the formation of galaxies and stars as well as exploring some of the most wondrous nebulae and astronomical structures yet discovered.

COSMIC SAFARI

February 11 Thursday 6:30pm

The search for life in the Universe begins as we travel to yet undiscovered planets in the far reaches of our galaxy as well as the Universe. You'll see that different environments yield different creatures. What will intelligent beings look like? Probably not like us. This show will explain why

RUSTY ROCKET'S LAST BLAST

February 25 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.

HISTORY OF HUMAN SPACE EXPLORATION March 11 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.

ADVENTURES ALONG THE SPECTRUM March 25 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 SUMMER SKY April 22 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.