

PLANETARIUM ■ = Interdisciplinary ● = Other disciplines

Science education in the Planetarium includes regular shows for the family, and reserved shows for schools and groups. Grade level follows the title. State Goals: Science 11A, 12F.

SKY OVER MR. ROGERS' NEIGHBORHOOD (PS-K) TV personality Mr. Rogers takes us to the Neighborhood of Make-Believe to see the night sky. Clouds, constellations, meteors, and the moon are topics introduced in this friendly show. (29 min.)

IN MY BACKYARD (PS - 1) This show features children's entertainer Fred Penner, who narrates the show and performs original songs while teaching the basics of the sky. (35 min.)

LITTLE STAR THAT COULD (PS-2) Story format discusses colors & birth & death of stars, Milky Way and differences between stars, planets and moons. (40 min.)

STORYBOOK SKY (PS-3) Explore the Planetarium chamber and explain its mysteries. Observe the current evening sky. Students are asked to participate in locating the constellations. (30-45 min.)

A STARRY TALE (K-3) Alvin presents the basic facts about stars & constellations, concluding with a deep space voyage through our galaxy to visit other stars. (45 min.)

SPACE BUS (1-3) Stella & friends take a trip into space in the year 2077. Ride over Martian deserts, skate over icy Miranda, and run into space aliens. (45 min.)

■ **FOLLOW THE DRINKING GOURD**(1-5) An important era in American History has a surprising astronomical connection. Follow one family's flight to freedom on the Underground Railway. (35 min.)

● **SENSATIONAL SOUND SHOW** (2-5) Dr. Fantastic takes you on a journey through the clamorous world of sound. How we hear and how sounds are made are two of the topics of this up-beat show. (40 min.)

ONCE UPON A MOON (2-6) This program explores the motions and phases of our closest neighbor, the Moon, includes a trip to the Moon and reviews the exploration of the Moon by the Apollo astronauts.

WHERE IN THE UNIVERSE IS CARMEN SANDIEGO? (2-6) features a tour of our solar system in a story based on the popular television series. Carmen has stolen the rings of Saturn and it is the mission of the audience to track Carmen down. Class participation in the search helps bring her to justice (55 min.)

THE SUN — OUR VERY OWN STAR (4-9) Rainbows, sunsets, auroras, halos — all beautiful phenomenon seen here on Earth, but they originate far, far from us at the Sun! Discover what it means to be a magnetic star like the Sun. Find out what sunspots are and where they come from. (45 min.)

HUBBLE VISION (4-12) Launched in 1990, the Hubble Space Telescope has seen some extraordinary things. Its vast archives contain data from hundreds of thousands of observa-

tions from Earth orbit. (40 min.)

FROM THE NORTH POLE TO THE EQUATOR (5-8) Students will make a solar latitude calculator using the North Star then travel to the Equator and to the North Pole and compare the different views of the daytime and nighttime skies. (45 min.)

■ **ADVENTURES ALONG THE SPECTRUM** (5-9) Professor Photon goes into the realm of infrared, microwave, radar & radio. (45 min.)

■ **THE EXPLORERS** (5-12) Follow Polynesian voyagers as they cross the Pacific Ocean, discover and apply their techniques. The program concludes with a look at our future exploration of Mars. (45 min.)

MONTHLY SKYWATCH (5-12) Students learn to use a simple star map to find the constellations and planets currently visible. Maps provided. (50 min.)

PLANETQUEST (5-12) The students choose destinations throughout the solar system. (30-45 min.)

ASTRONOMY LABS (6-12) Special interactive lessons to help meet state goals. Call to arrange. (55 min.)

A WALK THROUGH THE WINTER CIRCLE (7-12) The Winter Circle on the famous constellation Orion is the best known section of the seasonal skies. Participants will discover how to decode the story of the life of a star from starbirth to stardeth. (50 min.)

ECLIPSE (7-12) Learn about all of the different kinds of eclipses, discover how they can be predicted, and view some of the most spectacular eclipse events of the last decade. (45 min.)

ALL NEW FULLDOME SHOWS

THE ZULA PATROL: UNDER THE WEATHER (PS-2) The Zula Patrol is based on the highly-acclaimed Zula Patrol TV series www.zula.com airing on PBS affiliates nationwide. The stalwart heroes of the Zula Patrol are on an expedition collecting samples of weather on planet Zula when interplanetary villain Dark Truder attempts to steal. The Zula Patrol goes after him - in the process learning all about weather, both terrestrial and interplanetary. (23 min.)

BLACK HOLES (10 and older) Few mysteries in the universe have the power and awe of the black hole. Only now are we on the verge of understanding their true nature. This new immersive digital theater program incorporates some of the most intense three-dimensional visual effects ever created on the subject. Narrated by John de Lancie ("Q" from Star Trek: Voyager) (37 min.)

TIMESPACE (10 and older)

TimeSpace transports audiences across the Universe over 14 billion years to see and experience the Big Bang, the Doom of the Dinosaurs, the sudden appearance of Halley's Comet in the Yucatán Sky, Apollo 11's moon-landing and man's first steps on the moon, and a leap into the future to 3001. (30 min.)

AMAZING ASTRONOMERS OF ANTIQUITY (10 and older) Did you know that ancient astronomers knew the size of the Earth, the rotation of the sky, and could predict eclipses and seasons and even the flood of the Nile? Take a full-dome journey to the past to uncover the ancient secrets. Visit the buildings, like the Pantheon in Rome and Saccar in Egypt that are themselves observatories! Learn the stories of seven amazing astronomers. (21 min.)

DAWN OF THE SPACE AGE (10 and older) Re-live the excitement of the early days of space exploration, from the launch of the first artificial satellite sputnik, to the magnificent lunar landings and privately operated space flights. Be immersed and overwhelmed with this most accurate historic reconstruction of Man's first steps into space. (41 min.)

BAD ASTRONOMY (10 and older) This show explores misconceptions and misinformation in astronomy. Some of the topics in the show are ufos, the moon landing hoax, astronomy in the movies, and astrology. (30 min.)

EXTREME PLANETS (8 and older) In our newest full dome productions visitors will explore what makes a planet "Earth-like" in the first place, and take an immersive tour of several worlds that just might fit the conditions we're looking for. From water worlds to molten landscapes, inhabitable moon to planets with multiple suns, these exotic worlds aren't just science fiction anymore! (30 min.)

TWO SMALL PIECES OF GLASS (10 and older) While attending a local star party, two teenage students learn how the telescope has helped us understand our place in space and how telescopes continue to expand our understanding of the Universe. Also included: Current Sky. (30 min.)

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