

PLANETARIUM SHOWS' DETAILS

Class KG to 2

(i) Puppy on the Moon (POTM)

Objective	:	Adventure ride to Moon
Duration	:	39 Mins.
Language	:	English
Copyright	:	Leo Planetaria



It is a cartoon story of an adventurous and inquisitive baby dog called "Puppy", who by virtue of his astronaut friend "Arundhiti" gets a chance to hitch hike a ride to the Moon. Puppy becomes the first dog to be on the Moon and as an astronaut dog explores the barren Moonland.

(ii) Stories in Skies (SIS)

Objective	:	Stars in Mythology/ Sky Culture
Duration	:	32 Mins.
Language	:	English
Copyright	:	Leo Planetaria



The night sky has been a source of countless tales and legends. Cultures from all around the world have woven several tales around the stars. The show covers star stories from different sky cultures like the fascinating story of the Moon and his 27 beautiful star wives (nakshatra) from India, The seven chicks who became stars from Thailand and many more.

(iii) Chandamama (CM)

Objective	:	Shapes of the Moon
Duration	:	35 Mins.
Language	:	English
Copyright	:	Leo Planetaria



The picture (shape) of the Moon changes bit by bit, day by day in our sky. The Moon sometimes becomes fatter and fatter. Sometimes the Moon goes on dieting and becomes thinner and thinner. Different shapes of the Moon have different names like Full Moon and New Moon phase. Shapes of the Moon are related to our festivals like Easter, Eid, Guruparv and Holi. The show covers the lunar calendar.

Class 3 to 5

(iv) Dhruva Tara (DT)

Objective	:	Finding Pole star in our skies.
Duration	:	38 Mins.
Type	:	English
Copyright	:	Leo Planetaria

There is one star in our sky that is more famous than any other movie star. It is the Pole star. It acts like a mark in the sky. It has helped us since ages in finding our way. The show covers the story of Pole star as in Hindu Mythology and how to find it in the skies from different locations and in different seasons with the help of stick figures Big Dipper (Sapt Rishi) and Celestial W formed by joining stars.



(v) Princess Andromeda (PA)

Objective	:	Constellations as patterns
Duration	:	35 Mins.
Language	:	Mix of English & Hindi
Copyright	:	Leo Planetaria

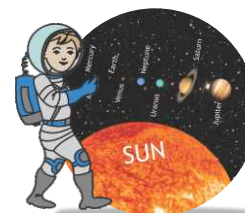
Many modern constellations in science have been named after Ancient Greek constellations (stick figures) and carved around them. The show covers the famous Greek story of Princess Andromeda and its various characters like the princess herself, King Cepheus, Queen Cassiopeia, Monster Cetus, Hero Perseus and Flying Horse Pegasus as stick figures and illustrations in the sky.



(vi) Journey to Wonderlands (JTW)

Objective	:	Solar System Model
Duration	:	40 Mins.
Language	:	English
Copyright	:	Leo Planetaria

Our solar neighbourhood is a fascinating place. The Sun's family has many members like Planets, Dwarf Planets, Moons, Asteroids, and Comets. The show takes twin sisters on fascinating journeys to various places in our solar system. It creates skies from places that have been never seen before. The show also traces the journeys of various space missions.



Class 6 to 8

(vii) The Sky Tonight (TST)

Objective	:	Identification in the night sky
Duration	:	40 Mins.
Language	:	English
Copyright	:	Leo Planetaria

It is a live / commentary based show. The show covers basics of positional astronomy starting with horizon and cardinal directions North, South, East and West. It is about identification of conspicuous - bright stars including Pole star, constellations, and planets in your city's night sky.



(viii) Galileo's Sky (GS)

Objective	:	Classical and Modern Sky
Duration	:	45 Mins.
Language	:	English
Copyright	:	Leo Planetaria

About 400 years ago a scientist named Galileo Galilei from Italy changed the way we viewed and understood the sky. He was the first Man who observed the sky through a telescope. The show covers the classical (naked eye) sky that is the sky observed and understood by various ancient civilizations, the Modern (with telescope) sky and phenomena like Eclipses, Conjunction, Opposition, Occultation, Transit and Modern Constellations with their Asterisms. The show is about history of science.



(ix) Celestial Gymnastics (CG)

Objective	:	Motion of celestial objects in our skies
Duration	:	45 Mins.
Language	:	English
Copyright	:	Leo Planetaria

Knowledge of Celestial Gymnastics is the first step towards reading the night sky. The show covers the motion of the celestial objects in our skies from different locations like the Poles, Equator and 27 degree latitude. It covers the celestial merry go round of stars, the path of the solar system objects that is ecliptic commonly called Zodiac. The show takes us to skies that are otherwise never visible from India.



(x) Two Small Pieces of Glasses (TSPOG)

Objective : Working & Contributions of Telescopes
Duration : 25 Mins.
Language : English
Copyright : Third Party



The show follows two students as they interact with a female astronomer at a local star party. Along the way the students learn how telescopes work, the history of telescopes, and major discoveries made by these instruments. The show epitomizes the impact of telescope on science.

Class 9 to 12

(xi) Messier Marathon (MM)

Objective : Comets and Deep Sky Objects
Duration : 45 Mins.
Language : English
Copyright : Leo Planetaria



Charles Messier an 18th century French Astronomer was a comet hunter. He made a Catalogue of 110 celestial objects which are not comets but look like comets. Now we know that they are deep sky objects like Galaxies, Nebulae, and Star Clusters. Thousands of hobbyist astronomers across the world on this day follow the footsteps of Messier and observe the Messier objects in the month of March in one glorious dusk to dawn observing run called the Messier Marathon. The show covers comets, deep sky objects and the Marathon.

(xii) We Are But Star Dust (WABSD)

Objective : Life cycle of stars
Duration : 45 Mins.
Language : English
Copyright : Leo Planetaria



Each and every twinkling dot that we see in our night sky is a gigantic gas ball of fire that has embarked on a stellar journey of millions and billions of years that will bring forth dramatic changes in its life. The show covers life story of stars (HR Diagram) including our Sun from a protostar in a nebula to their violent deaths like a Supernova and their remnants like a Black Hole. Stars' are like factories that produce elements in the Universe, elements that are there on the Earth and even inside us. We all are but star dust.

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(xiii) Life Beyond Cradle (LBC)

Objective : Life as in eyes of the Science
Duration : 45 Mins.
Language : English
Copyright : Leo Planetaria



The show covers life from the point of view of science (evolution and DNA) and its possibilities (Extra terrestrial - ET) beyond our home planet in the Universe on the basis of Drake's equation and its search on the basis of SETI (Search for Extra Terrestrial Intelligence) project. The show also debunks UFOs (Unidentified Flying Objects and related incidents).

(xiv) Ancient Observatories

Objective : Astronomy versus Astrology
Duration : 45 Mins.
Language : English
Copyright : Leo Planetaria



The show depicts celestial gymnastics of Precession (wobbling of the Earth's axis); Analemma (yearly dance of the sun in our sky that causes seasons); Eclipses and phases of the Moon. It also covers various ancient sky cultures, temples cum observatories and debunks astrology.

Note: Durations wherever mentioned are approximate.