Catalogue

Buy/ Hire a Planetarium for your School

Planetarium Education™ K - 12

Call +91-9811275851, 9811239961, 9810586990 for pricing

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Planetarium Education™ K-12

Full Dome Shows for School/ College/ General Public
Available in English and various other Indian Regional Languages

Kindergarten

*Sky Picture N - 22 min
“Alphabets learning with constellation names”
Copyright: Leo Planetaria

*Sky Stories # 01 - 18 min
“Ancient sky culture stories related to stars and astronomical events”
Copyright: Leo Planetaria

*Sky Stories # 02 - 18 min
“Ancient sky culture stories related to stars and astronomical events”
Copyright: Leo Planetaria

*Color the Sky Pictures N - 17 min
“Coloring the North Sky Constellations”
Copyright: Leo Planetaria

Kindergarten

*Sky Picture S - 24 min
“Alphabets learning with constellation names”
Copyright: Leo Planetaria

*Sky Stories # 03 - 17 min
“Ancient sky culture stories related to stars and astronomical events”
Copyright: Leo Planetaria

*Sky Stories # 04 - 15 min
“Ancient sky culture stories related to stars and astronomical events”
Copyright: Leo Planetaria

*Color the Sky Pictures S - 17 min
“Coloring the South Sky Constellations”
Copyright: Leo Planetaria

Primary

*Sky Pictures Zodiac - 17 min
“Zodiacal Constellations”
Copyright: Leo Planetaria

*Puppy on the Moon - 24 min
“Directions up and down”
Copyright: Leo Planetaria

*Mushak, the Fishermouse - 20 min
“Stars rise and set (diurnal)”
Copyright: Leo Planetaria

*Up Coming

*Dhruva Tara - 20 min
“Finding Dhruv Tara”
Copyright: Leo Planetaria

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Middle

*Journey to Wonderlands - 31 min
"Solar System Model"
Copyright: Leo Planetaria

*The Unlucky Ones - 22 min
"Dwarf Planets"
Copyright: Third Party

*Galileo’s Sky - 30 min
"From Classical to Modern Skies"
Copyright: Leo Planetaria

*Lie Back, Look Up (Autumn) - 22 min
"Seasonal Star Gazing - Fall"
Copyright: Leo Planetaria

Middle

*Harbingers of Doom - 30 min
"Journey of a Comet"
Copyright: Leo Planetaria

Two Small Pieces of Glass - 23 min
"Contribution of Telescopes"
Copyright: Third Party

Sizing Up Space - 21 min
"Distances in the cosmos in terms of light years."
Copyright: Third Party

Middle

*Deep Sky - 30 min
"Galaxies, Star Clusters and Nebula"
Copyright: Leo Planetaria

Solar Quest - 21 min
"Implications of living with a Star"
Copyright: Third Party

From Earth to the Universe - 32 min
"Voyage through space and time"
Copyright: Third Party

Secondary

*Celestial Gymnastics # 02 - 32 min
"The sky form the point of view of a traveling observer"
Copyright: Leo Planetaria

Back to the Moon for Good - 25 min
"Future Exploration of the Moon"
Copyright: Third Party

IBEX - 29 min
"Interstellar Boundary Explorer"
Copyright: Third Party

*Water and life in the Universe - 25 min
"Water and life in cosmos"
Copyright: Third Party

*Paid Shows

The show titles and their sequence are subject to change.
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<td>“Use of electromagnetic spectrum to study the Universe”</td>
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<td>“The unsolved puzzle in Science”</td>
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<td>Sun Struck - 22 min</td>
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Full Dome Shows for School/College/General Public Available in English and various other Indian Regional Languages

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Senior Secondary

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Full Dome Shows for School/College/General Public Available in English and various other Indian Regional Languages

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Middle

Deep Sky

Dancing Lights

From Earth To The Heavens Above

Celestial Gymnastics # 01

Secondary

Celestial Gymnastics # 02

Our Nearest Neighbour

The Edge Of The Solar System

Water And Life in the Universe

Secondary

Rainbow

We Are But Star Dust

Alien Planets

Marathon in the Night Sky

*The books title and their sequence are subject to change.
Polar Sky Simulation 1080 HD or more

- Analimma, Meridian, Ecliptic, Celestial Equator
- Milky Way Galaxy in Ultra Violet
- RA - Dec. Grid
- Deep Sky Objects - Hipparchus and NGC Catalog

Quiz Prizes

- Telescope Making Kit
- Solar View Goggles
- Space Shuttle Model
- Sky Map
- Planisphere
Kids simply love to go to movie theatres. But what they don’t know is that nature also plays movies every night for each one of us to explore, learn, discover and enjoy that too on the biggest theatre of all, the night sky. Each night the sky is filled with interesting but imaginary characters made by our forefathers by joining the dot stars. They are called constellations. With a little imagination, you will notice that the sky is filled with fascinating ancient characters like Orion the hunters, Leo the lion, Andromeda the princess. The night sky is a place where battles are being fought, heroines are being rescued, monsters are being hunted down and a whole lot more. As the night advances, new constellations present themselves one by one for our viewing from the eastern horizon. Then there are other thrilling and action packed moments like meteor showers, visits of comets with Along sleepy tails and games of shadows like eclipses. Nature has provided the best viewing seat to each one of us. Irrespective of where we are on the earth, we are always at the centre of this huge dome-shaped sky theatre called the night sky.

“Digisky™ planetarium is a school, theatre and cinema all rolled into one.”

Unfortunately astronomy, the mother of all sciences is conspicuously absent from the school system the world over. The reason is not that the system is not aware of its importance but the inherent practical impediments associated with the subject. A school primarily is a day time concept whereas astronomy is a night time subject with date, time, place and weather dependability. Moreover, now days we live in a sea of artificial lights that has created starless cities. It has slowly but steadily over the years resulted in abysmally low astronomy literacy level of students as well as their teachers. Stars just like tigers have simply disappeared. Gone are the days when one could see Milky Way galaxy or Dhruva Tara or Orion constellation from his backyard. Stargazing has become history.

With space missions like Chandrayaan and Mangalayaan, space tourism on anvil and names like Rakesh Sharma, Kalpana Chawla and Sunita Williams are on everybody’s lips, the space age has finally arrived in India. ISRO’s successful mission to Mars (Mangalayaan) has made India the first country in the world to put an object in Mar’s orbit in its maiden attempt. ISRO has now planned to send its first manned mission to the Moon around the year 2025 to 2030. Students who are now studying in schools are likely to become India’s first Astronauts or may be named as “Gagan + Nauts = Gaganauts”. Astronomy ignites the young minds. It inclines and motivates students from an early age to pursue space science as a hobby or career. History of astronomy is a history of science. In a way, it is the history of the evolution of human thoughts. It is a subject that inculcates scientific temper.

Planetarium Education™ – K12 is a holistic concept that connects the students with the night sky. Under it a students from a school K12 can have up to four exposures of planetarium shows in each academic year. Unlike a city’s fixed public planetarium, which may not be digital it is based on the pedagogical efficacy of a full dome mobile or fixed digital mobile planetarium i.e. DigiskyTM as a teaching aid for astronomy for school students K12. It does not require the tedious and costly field trip to a nearby fixed public planetarium. (By the way, there are hardly 30 fixed digital planetariums in India.) Planetarium EducationTM provides a solution to the inherent impediments associated with astronomy teaching. It is a companion to STEM Education (science, technology, engineering and mathematics). It has been designed to implement astronomy in the Indian school system K12 through readymade, class-wise appropriate, and progressive planetarium shows developed in Indian ethos. These shows are related to various astronomical sky simulation scenarios. The shows have companion books and classroom based tests designed. The shows can be linked to on the campus astronomy hands on activities and astronomy Olympiads. Astronomy can be now made an integral part of the school curriculum covering whatever little is prescribed by the school / board on astronomy subject and of course a whole lot more that is there in the cosmos to explore, learn, discover and enjoy.
School teaching methodology the world over is primarily based on Cartesian coordinate system. In this system, all concepts/diagrams are explained by two-dimensional flat blackboards, papers and digital screens. For example, cardinal points i.e. directions North, South, East and West are drawn/explained with horizontal (sleeping) and vertical (standing) lines as represented above. Such diagrams create confusions in the minds of young learners. For example, most of the students interpret the given diagram as North direction being up in the sky, which is not true at all. Astronomy primarily is a two-dimensional curved surface subject.

A planetarium is a model of the sky as it is dome-shaped and the real sky is also dome-shaped (half of the celestial sphere). A planetarium creates observational scenarios like horizon being parallel to the ground with directions N/S/E/W on it. The students inside the Digisky™ planetarium can very easily translate/correlate digital sky simulation observations into mathematics. Full dome Digisky™ digital planetarium simplifies complicated and time-consuming astronomy concepts/observations so that students can easily understand them and that too at an early age.

### Progressive Polar Topics for schools K12

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### Free Teachers Workshop

We conduct free teachers' training workshops on regular basis across India in association with schools and teachers training institutes. The objective of the workshops are

- to learn identifications of bright stars, constellations and deep sky objects in the night sky irrespective of the observers location, date and time.
- to demonstrate Pedagogical efficiency of a Digisky™ full dome digital mobile planetarium as a teaching aid - K12.

More than 1,000 school teachers from across India have participated in our planetarium workshops. The workshop has been hosted by schools like are DPS – Bangalore North; Chitkara International School – Chnadigarah, Bhavan’s Rajaji Vidyashram – Chennai; Kenriya Vidyalaya, Delhi Cantt. – Delhi; Hemsheela Model School – Durgapur, Meridian School – Hyderabad; Baker Vidyapeeth – Kottayam; Pawar Public School – Mumbai; RS Convent Shool – Varanasi.
# Testimonials

"The experience in the planetarium Globe (Orange Planet) was wonderful and for a moment I was thinking that I am really in a galaxy. It is a life time experience and it encourages students to pursue astronomy as a career."

**Vineet Joshi – Fr. CBSE Chairman**

"Very impressive with customization options of pictures, videos, languages, stars, sky cultures. Clear visible quality. Wish you the very best."

**Dr. BP Singh - Head - NCSTC - Deptm. Of Science & Technology (DST)**

"The shows were exceptionally good."

**Mr. Anthony Joseph, Principal, Gems Millennium School, Sharjah, UAE**

"Was impressed with the scripted content, especially Indian sky culture. The mobile planetarium is a lower cost alternative to fixed domes. The sky was represented overall ease, worthwhile!!."

**Dr. N. Ratnashree - Director Nehru Planetarium - Delhi**

"The universe came alive at Rajhans Vidyalaya."

**Mrs D. S. Srivastava, Principal, Rajhans Vidyalaya, Mumbai, India**

"An excellent low cost version of digital mobile planetarium has been developed which is particularly suitable for Indian conditions."

**Subrata Sen - Managing Director - Creative Museum Designs - A unit of National Council for Science and Museums (Ministry of Culture)**

"The show was highly appreciated by students, staff as well as parents."

**Dr. Vasanthi Thiagarajan, Principal & Correspondent, Sishya School, Hosur, India**

"It is really Good and Impressive."

**Arul J. Prakash, Director - Kerala State Science and Technology Center and Planetarium**

"Children really enjoyed the show and they learned a lot about astronomy."

**Principal - Ahlcon International School - Delhi, India**

"Impressive features like user console (swadeshi) good work done."

**Dr. Soundarraj Perumal - Jt. Director - Tamilnadu Science & Technology Center - Chennai**

"The planetarium shows in our school was a great experience for our students."

**Principal - Mrs KE Jeremiah - All Saints College - Nainital, India**

"Marvelous. Good system integration with Modular design that can be scaled up quality wise. Deserved to be purchased."

**VS Ramachandran - Director - RSC and Planetarium - Calicut - Kerala**

"Digisky was an enthralling and exciting experience."

**Principal - Mrs Meenu Goswami - Bal Bharati Public School - Pitampura - Delhi, India**

"A very good and cost effective concept. It is the content that matters the most. One can always choose the resolution, brightness and contrast as per ones budget."

**Dr. Y Ravi Kiran - Dy. Director - Jawahar Planetarium - Allahabad**

"The Planetarium Outreach Reach programme at our school was not only an eye opener but also very informative and interesting."

**Principal Dr. Jaishree Gupta - Bhartiya Vidya Niketan - Gwalior, India**

"Indeed it is excellent efforts and unique state-of-art demonstration of planetarium. These shows will help the children to learn more on astronomy and inculcate learning habits. It will help from unskilled to skill understanding of astronomy. Good efforts and look forward for more and more innovations."

**- Dr. Arvind Ranaday - Scientist - Vigyan Prasar**
<table>
<thead>
<tr>
<th>Testimonials</th>
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<tbody>
<tr>
<td>&quot;It was a great and new experience for our children as they could relate their bookish knowledge with real sky. They learnt a lot about their environment (sky).&quot;</td>
</tr>
<tr>
<td>Principal - Mrs Ranjeet Shamey - Ben Hur Public School - Pilibhit, India</td>
</tr>
<tr>
<td>&quot;Cost Effective and best solution for planetarians as now planetariums can be easily upgraded and maintained easily indigenously.&quot;</td>
</tr>
<tr>
<td>Sumit - Curator - Kalpana Chawla Planetarium - Kurushetra</td>
</tr>
</tbody>
</table>

| "It is a novel concept of showing the sky and teaching Astronomy." |
| Principal - Mrs D Watal - City Montessori School - Rajajipuram - Lucknow, India |
| "VERY Good. Excellent." |
| Pulkesh Prajapti - Coordinator Gujarat Science City |

| "Children of all classes enjoyed the show. The shows were very informative and relevant." |
| Principal - Dr. Mrs Shubha Narayan - DPS - Aligarh, India |
| "Excellent Effort of Ingenuity. The stars were beautiful. Fully deserves serious consideration. Sky at par with big foreign companies." |
| Pramod Galgali - Dy. Director - Jawaharlal Nehru Planetarium - Bangalore |

| "Digsky an enthralling and exciting experience for students. All shows conducted were very informative and educative." |
| Vice Principal - DPS - Mathura Road - Delhi, India |
| "Content in Indian Ethos should be appreciated. Good luck for all future projects." |
| Dr. KV Rao - Director - Science Center - Mangalore |

| "The shows were highly interactive. The students enthusiastically witnessed the shows. We appreciate their audio - visual method.." |
| Principal - Dayawati Modi Academy - Rampur, India |
| "Nice Effort. Keep it up." |
| Akshat Singhal - Astronomy Club - IIT Kanpur |

| "Leo Planetaria has organized the show meticulously to impart the knowledge of astronomy." |
| Principal - Fr. Herman Minj - Hartmann College - Bareilly, India |
| "Very Good effort. Soon it will be the Planetarium of India." |
| Subhendu Patnaik - Dy. Director - Pathani Samanta Planetarium - Bhubaneswar |

| "The digital planetarium shows held at our school were unforgettable. The children enjoyed the show and learnt the text book context through sky simulation." |
| Principal - Mrs Sadhana Walai - Ryan International School - Indore, India |
| "Wonderful technology keep it up." |
| Anand Hukkere - Director - Asha Kiran Planetarium - Belgaum |

| "The planetarium content was excellent and every one could relate to it." |
| Principal - Mrs Daisy Sharma - SBRS Gurukul - Moga - Punjab, India |
| "The shows provided creativity among the students and the students were very enthusiastic." |
| Principal - Dr. S Saxena - Seth Anandram Jaipuria - Kanpur, India |

| "Class I to 12 participated in the show. The students gained knowledge about science, stars and space. The shows were appreciated by all students and teachers." |
| Principal - St. Anslem School-Ajmer, India |

| "The planetarium shows were an eye opener that enriched our students." |
| Coordinator - Mr. Vishnu Painuli - Welhms Boys School - Dehradun, India |
Profile - Leo Planetaria Astronomy Education Pvt. Ltd

We design, manufacture, sell and run Mobile and Fixed full dome Digital Planetariums. More than 5,000 schools and 1,000,000 students have participated in our various planetarium outreach programmes, Nepal and Middle East. We support the largest mobile planetarium outreach network in India covering more than 24 states, 300 districts across India. Various Mobile Planetarium Outreach Companies use Digisky™ full dome Planetarium Systems, Digidome™, Shows and their Companion Books developed by us for their planetarium outreach programmes for schools, colleges and general public. Besides, we have installed Mobile and Fixed Planetariums in schools, science centers, fun parks, observatories etc.

Digisky™ planetarium is a school a theater and a cinema all rolled into one.

Founded in 2007, we are a dedicated team of Planetarians, Astronomers, Science Communicators, Science Journalists, Educators, IT Professionals, Structural and Sound Engineers. We are also part of a Science popularization consortium commonly called SPACE. We are an Indian company with make in India philosophy.

Our Aim: To give pragmatic, cost effective, easy, widespread and regular access to school students K12 to planetariums.

Our objectives are to

- Bring the fascination and beauty of stars to starless light polluted metropolitan cities.
- Fill the lacuna of astronomy in the Indian education system and improve the astronomy literacy level of students through Planetarium Education™.
- Liberate teaching fraternity and students from the inherent practical impediments of real sky observations by providing state of the art digital planetarium sky simulation.
- Develop planetarium content embedded in Indian ethos for promotion of scientific temper among students' community in particular and general public at large.
- Promote history of science, achievements of science and technology and human space endeavour.
- Develop a vibrant fraternity of planetarium educators (planetarians) across India.
- Motivate students to pursue science as a hobby and career.
- Use planetariums as effective tools to develop a Science & Technology literate society as envisaged in Science & Innovation Policy, Govt. of India.

Digisky™, Digidome™, Planetarium Education™, Leo Planetaria™ are registered trademarks/logos of Leo Planetaria Astronomy Education Pvt. Ltd.
Abridged list of clients

**School (India):**
Apeejay School-s; Delhi Public School-s; Ryan International School-s; Podar School-s; Gems School; Welham School-s; Shri Ram School-s; DAV School-s; Army Public School-s.

**School Middle East:**
Gems Millennium School – Sharjah; The Winchester School – Dubai; Indian Central School – Kuwait.

**School Nepal:**
KISC; St. Mary School-Birganj; St. Xavier’s School - Kathmandu

**Education Board:**
Chhattisgarh Board of Secondary Education; Madhya Pradesh Board of School Education, Punjab School Education Board.

**University/ College:**
Thapar University; BITS; IIT

**Department of Science & Technology (DST):**
Odisha Govt.; Chhatisgarh Govt.

**Observatory:**
ARIES, Nainital

**Science Center:**
Ballary Science Center - Karnataka, Pushpa Gujral Science City- Punjab.

**Planetaria:**
Nomad Planetarium- USA / Kenya; Ilmuwan Muda – Jakarta – Indonesia; Genesis Planetarium – Jabalpur- India

**CSR:**
Jindal South West Ltd.; IRIS National Fair - India (CII, DST, Intel)

**NGO:**
MAA Foundation - Gujarat; Breakthrough Science Society – Bangalore

**Amusement Park/ Mall:**
Fantasy Park - Kerala; JD High Street Mall: Ranchi; QFX Cinema – Nepal
Features

Standard sizes
- 5m dia x 10 feet
- 6m x 12 feet
- 7m x 14 feet
Custom sizes also available

Inflation time
Upto 10 mins

Total Weight up to 60 kg

Fully inflated 5m dia. dome with provision to print customer logo

Digidome 5m

Digisky standard Model
Resolution HD 1080

Complete set of mobile planetarium

Fan
Features

The Digidome™ is inflated with a fan / blower and has provision for AC Attachment.

Full Dome (no part of the sky missing) Planetarium resolution HD or more.

Three Zipper Vertical Entry / Exit System
Multiple detachable dome layers

Emergency Exit

No Crawl or squeeze Entry / Exit

Does not deflate / sag even if Entry / Exit is open all the time

Fixed Planetarium Out Side View

Fixed Planetarium Inside View

TM

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