

# KHOJ

SCIENCE | ARTS | INNOVATION



Manthan Educational  
Programme Society, India  
[www.mepsindia.org](http://www.mepsindia.org)

**zoom**  
KINDERMUSEUM  
Vienna, Austria

**G • S • F • S**  
Gujarat State Financial Services Ltd.



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**POPULATION: 1.35 Billion**



CHILDREN



Manthan Educational  
Programme Society, India  
[www.mepsindia.org](http://www.mepsindia.org)

**Manthan Educational Programme Society, India** is an NGO based in Ahmedabad involved in **Science Communication** and **Entrepreneurship Development** at a State, National and International Level.

The activities of the organisation involve communicating science to masses in urban, rural and tribal regions of the country involving innovative methods of Science Communication like **Low Cost Hands-on Kits, Hands-on Exhibitions, Mobile Exhibitions, Museums, Science Centres, Workshops, Street Shows, Puppet Shows, Outreach Material, Toys, Films, etc.**



## HANDS-ON SCIENCE EDUCATIONAL KITS





## MOBILE EXHIBITIONS - ASTRONOMY ON CAMEL CART



## SCIENCE MUSEUMS AND HANDS-ON SCIENCE EXHIBITIONS







**MANTHAN NARMADA LOK-VIGYAN KENDRA  
VIGYAN GANGA - HANDS-ON SCIENCE CLASSROOMS**





**AHA-BOXES**  
INDIA - VIENNA COLLABORATIVE PROJECT  
ON PROMOTING SCIENCE AND SUSTAINABLE DEVELOPMENT





**SIS-CATALYST - SCIENCE IN SOCIETY**







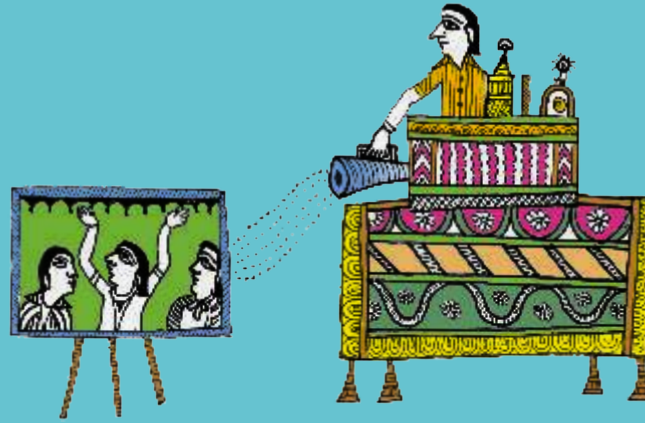
## PRINTING TECHNOLOGY



## EARTH AND SOIL



## EARTH AND SOIL



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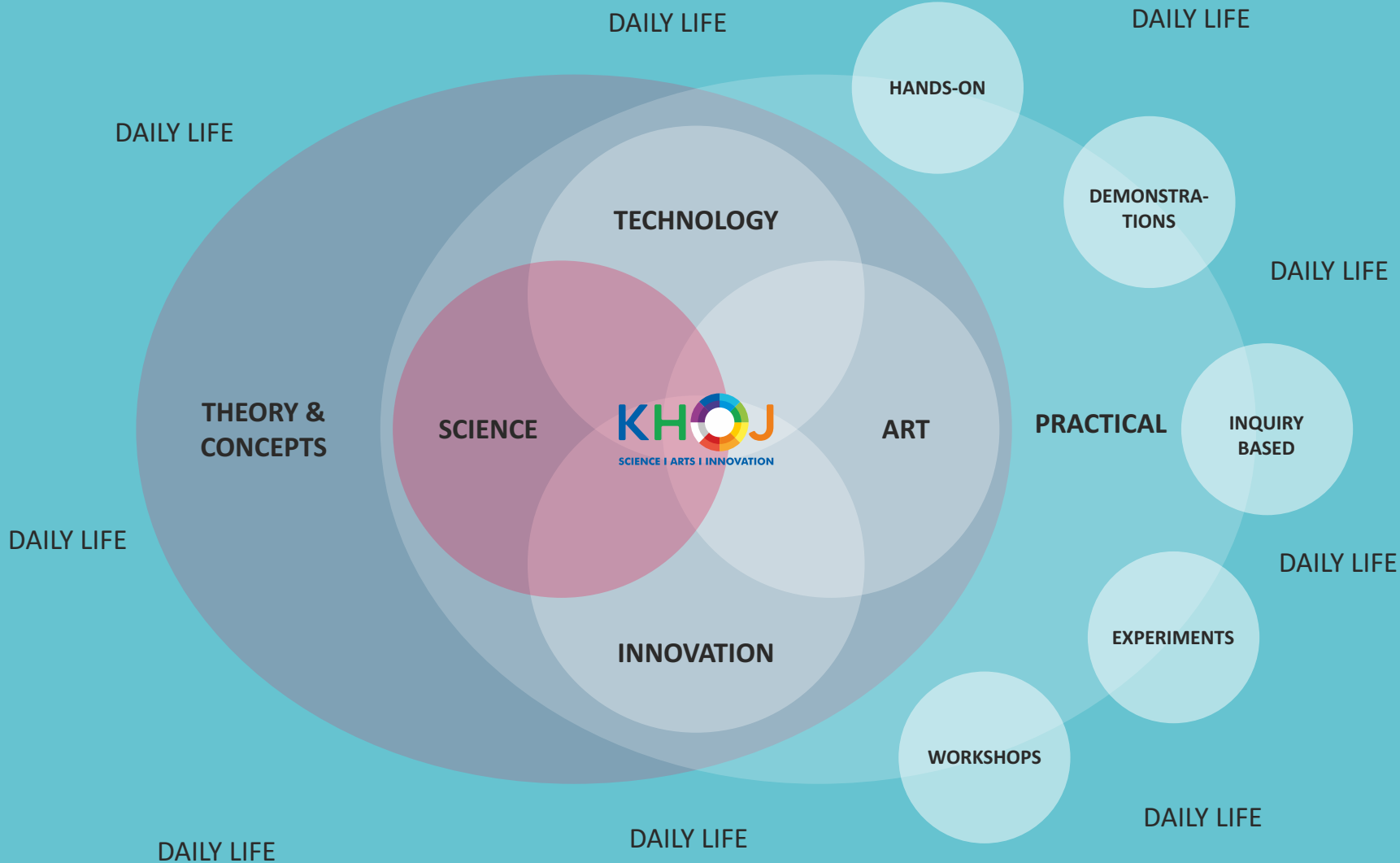



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# WE FIND OLD UNUSED PLACES AND TRANSFORM IT IN MUSEUMS





# WHAT IS SPECIAL ABOUT KHOJ?



## Dynamic

Unlike most museums that are static, KHOJ is a dynamic museum. We change our galleries every 9 to 12 months and have new exhibits on different topics. So the museum becomes new every few months!



## Hands-on

Most museums have a signboard that says "Do not touch", ours will tell you to not only touch but also open, explore and put it back together. Go on, we dare you!



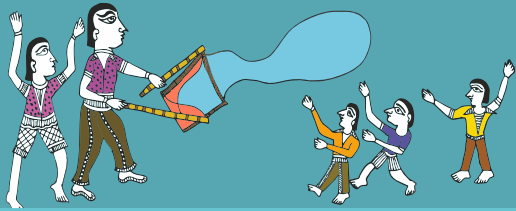
## Innovate

We spur innovation with our many hands-on activities inside the museum's. Whether you come from a background of design, art, science or are just curious, this museum will get your grey cells working!



## Design

With an army of maverick architects, designers, artists and scientists, we have set out to create a space that speaks to every individual. From the way its walls are painted to the gardens and the dome, we have tried to create something that is constantly challenging us and doesn't remain permanent. We hope it challenges you too!



# Bulbule



*What is Soap Bubble?*



*Bubble Wall*



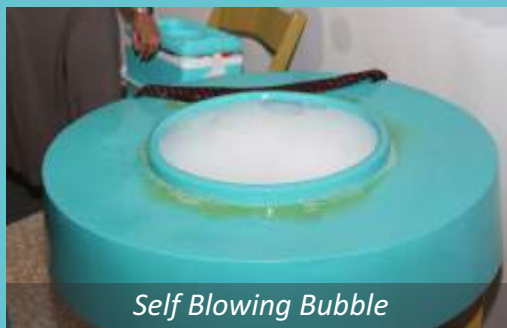
*Human-sized Bubble*



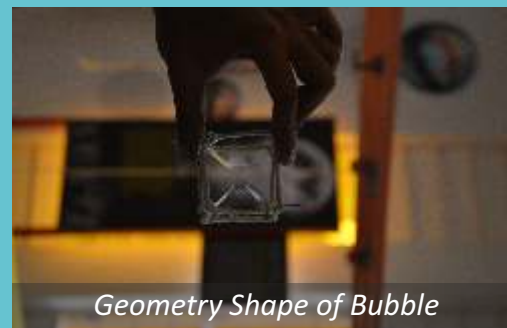
*Dry Ice soap bubble*



*Bubble Ring*



*Self Blowing Bubble*



*Geometry Shape of Bubble*



*Photography Of Soap Bubble*



Moving Pot



Camera Obscura



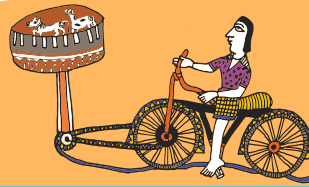
Phenakistoscope



Praxinoscope



# Moving Images



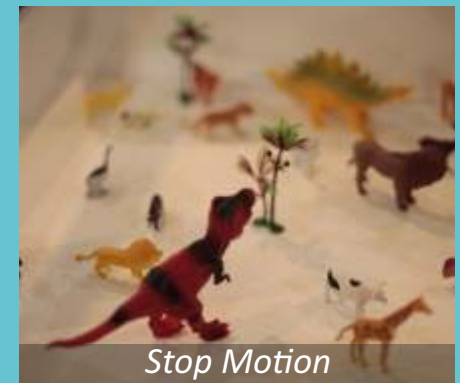
Zoetrope



Green Screen Animation



Virtual Reality



Stop Motion



Solar Eclipse



How big is our Universe?



Moon Phases



Constellations



Deflection of Light



Star dial



Why do Stars Twinkle?



Solar System



# Khagol





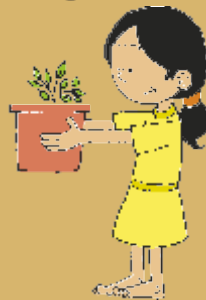


# Plastic Play





# Reconnecting with Soil





## WHAT IS OUR APPROACH?



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**SCHOOL VISITS - 2.5 HOURS**





**NGO PARTNERS**





INDIVIDUAL CHILDREN AND ADULT VISITORS





SCIENCE FESTIVALS





# TALKS & ASTRONOMY SESSIONS





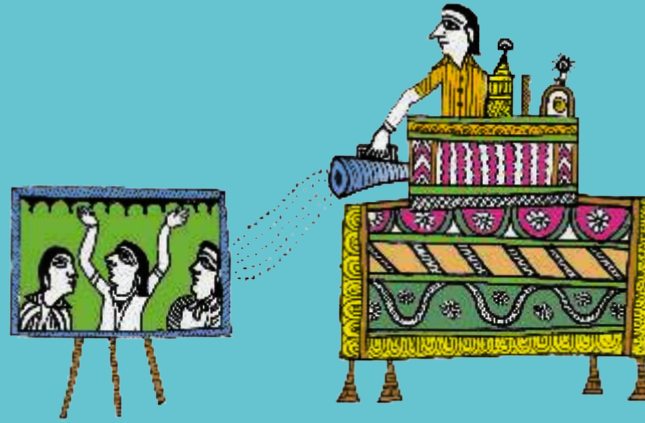
**WORKSHOPS**





# LEARNING FROM NATURE SESSIONS





# KHOJ

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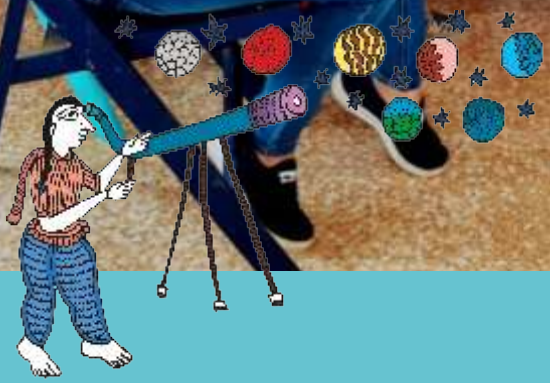
## HOW DO WE BUILD IT?



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**OUR TEAM WORKS WITH SCIENTISTS**





**OUR DESIGNERS ARE STUDENTS**





**DIFFERENTLY aBLED DESIGNERS**

***Our Team:***

*Ramesh Patel  
Anil Bambhaniya  
Bhikha Ahir  
Raju Khunti  
Sudhir Malusare*

The differently abled designer group is a unique design team composed entirely of differently-abled team members. We are one of India's first such design company and proud of it. Incubated in 2017, we have so far worked on projects associated with museums, publications, print media mainly for clients in non-profits, start-ups and in corporate social responsibility sector. We have been trained by eminent design thinkers like Ms. Sangita Shroff and Kathan Kothari. The group has been trained under the social unit initiative of Aha!Boxes project of Hands-on Educational Resource Pvt. Ltd and other associated organisations.

**Differently Abled Designers**

**Address:** C-1, Sukruti Flats, Manekbag, Ahmedabad - 380015

**Email:** [differentlyabledesigners@gmail.com](mailto:differentlyabledesigners@gmail.com)

**Call:** +91-70699 22766



**DIFFERENTLY ABLED DESIGNERS**





**WE INVITE ARTISTS**







Initiate small movements  
Conversion of Individual moment to family moment and then a community movement

Connect students to national and global movements

**MOVEMENT  
BASED**



**IMPACT**

**STUDENTS**

**THOUGHT PROVOKING BASED**

**INTERESTED  
ADULTS**



**PARENTS**

Providing opportunities for learning and exploration, leading the more thoughts.

**EDUCATION BASED**

**SOCIAL  
INCLUSION**

Generate inquiries for more thoughts.

Connect with the curriculum  
Connect textbooks with daily life  
Reducing the fear of science  
Making science more hands-on and enjoyable

**ACTION BASED**

Children making / inventing their own things.  
Be more conscious  
Start from their own-self and then expand



## COMPETITIONS





**STUDENTS MAKING THAUMATROPES**





HISTORIES & TRADITIONS  
(A Month of Celebration)

December 2018



STUDENTS MAKING THAUMATROPES





श्री. शशी-उज्ज्वल



**Chalo Charkho Ramiye**  
A Workshop on Hand Spinning  
by 'Avani Varia'

15th December 2018  
03:00 pm to 4:00 pm



# MAKING OWN COTTON THREAD





# STORY TELLING WORKSHOP



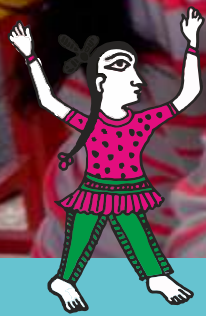
"LET'S MAKE A SHORT FILM"



A two day workshop  
at Khoj Museum  
with  
**Nidhi Kamath**  
(Documentary Filmmaker)  
Storyloom Films



Dates: 1<sup>st</sup> and 2<sup>nd</sup> September 2018 @ **KHOJ**



# FILM MAKING WORKSHOP





# ORGANIC GARDENING WORKSHOP

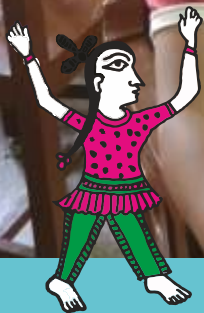






# MAKEY MAKEY WORKSHOP





## 3D PHOTOGRAPHY



# MASS SCALE OUTREACH





ONLINE ACTIVITIES



# EXHIBIT ROTATION MODEL

**MOVEMENT**

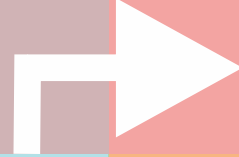
**SUSTAINABILITY:**

EXHIBITIONS  
(VOLUNTARY)  
(MINIMUM FEE)

OTHER ACTIVITIES  
WORKSHOPS  
(CHARGABLE)

**SELF INITIATION**

**ACTION**



**EXHIBIT SET 1**



**EXPOSURE**

**EXHIBIT SET 4**

**KHOJ 1**

**INQUIRY**

**KHOJ 4**



**KHOJ 2**

**EXHIBIT SET 2**

**TOOLS:**  
EXHIBITIONS  
TALKS  
EXPERIMENTS  
KITS  
WORKSHOPS  
EXCHANGE  
OPPORTUNITIES  
EVENTS  
CELEBRATIONS



**KHOJ 3**

**EXHIBIT SET 3**



**EXPLORE**



**KHOJ - SCIENCE + ART + INNOVATION  
A SCIENTIFIC JOURNEY ON THE RIVERFRONT**



**KHOJ - SCIENCE + ART + INNOVATION  
A SCIENTIFIC JOURNEY ON THE RIVERFRONT**



**KHOJ - SCIENCE + ART + INNOVATION**  
**SARDAR VALLABBHAI PATEL MUSEUM**  
**SURAT**





We wish you all  
a safe time!

**THANK YOU  
HSCI 2020**

**ABHAY KOTHARI | KATHAN KOTHARI | GOPI PREMESH  
ZARNA KHATRI | NIDHI KUSHWAH | KINJAL PATEL**



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