

theHoustonMuseumofnaturalscience **Science Nights**

Our Package Makes Planning Science Nights Easy As 1-2-3!

- 1. Choose one or more of our Outreach Programs – check out the many options at hmns.org/outreach.**
- 2. Add on two or more activities – choose from Make-It and Investigation Stations!**
- 3. Provide volunteers and tables for the event - HMNS brings materials and instructions right to you!**

Contact Us! outreach@hmns.org or 713-639-4758.

**Just a sample of
programs to
choose from!**



Discovery Dome



Wildlife On Wheels



**ConocoPhillips
Science On Stage**

Outreach Program Fees: \$375 - \$575, depending on event length

Audience Size: Up to 250

Audience Type: Pre-K and up

Add Two or More Activities!

Make-It Stations

\$100 per 100 people

- **Crafting/experiment-style stations**
- **Each activity takes a few minutes!**

Investigation Stations

\$100 per hour (2 hr minimum)

- **Hands-on exploration stations**
- **See, touch, and learn more about a topic!**

Read on for activity details!

HMNS Science Night Activity Descriptions

Make-It Stations

- School or group provides at least 2 volunteers per table and minimum 2 six-foot tables per station (more tables will be needed for larger groups).
- Materials are delivered at least 45 minutes before start time to give your volunteers time to prepare.
- Instruction card and activity example are provided.
- It is recommended that you plan for all participants to do all activities.
- Once the supplies are gone, the station is packed up by HMNS staff. When estimating attendance, please count adults who will attend with children.

Choose From:

Ink Chromatography

Separate black ink to find hidden colors and analyze mixtures.

How Much Is A Million

Visualize millions of years of geologic time by measuring grains of salt.

Indicator Paper

Use acids and bases to make this special paper change colors or reveal a hidden message.

Shrinking Plastic

Discover the amazing properties of thermoplastic polymers and make a small piece of shrink art.

Butterfly Life Cycle

Model each stage of the butterfly's life cycle as you explore metamorphosis.

Shaving Cream Marbling

Use the hydrophobic and hydrophilic properties of shaving cream, watercolors, and paper to create beautiful bookmarks.

Optical Illusions

Explore persistence of vision and make a thaumatrope to fool your brain.

Nautilus Stamping

Study the inside of a nautilus shell and learn about patterns in nature.

Investigation Stations

- School or group provides at least 2 volunteers per station.
- Items are delivered at least 45 minutes before start time to give your volunteers time to prepare and learn.
- Information cards are provided for all items in box. All boxes come with a materials list.
- Before leaving, HMNS staff will make sure all items have been returned to the box in satisfactory condition.
- School or group will be responsible for cost of replacement or repair of items.

Choose From:

Bird Beaks

Investigate animal adaptations and discover how different types of beaks help birds eat.

Polymers

Explore examples in everyday life – from plastics to DNA, polymers are everywhere!

Shape Science

Have fun with geometry and discover the science behind logic puzzles and optical illusions.

Venomous vs. Poisonous

Examine specimens, learn field safety, and explore the differences between venomous and poisonous plants and animals.