## Programs at a Glance

<table>
<thead>
<tr>
<th>Program Type</th>
<th>Title</th>
<th>Grade Level</th>
<th>Time</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Workshop</strong></td>
<td>Transportation Station</td>
<td>Pre-K - K</td>
<td>60 min.</td>
<td>$165</td>
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<tr>
<td></td>
<td>Things That Fly</td>
<td>K - 2</td>
<td>60 min.</td>
<td>$165</td>
</tr>
<tr>
<td></td>
<td>Blast Off!</td>
<td>1-2</td>
<td>60 min.</td>
<td>$165</td>
</tr>
<tr>
<td></td>
<td>Aqua-rockets</td>
<td>3 - 5</td>
<td>90 min.</td>
<td>$195</td>
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<td></td>
<td>Engineering Challenge: Mars Rovers</td>
<td>3 - 5</td>
<td>60 min.</td>
<td>$165</td>
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<td></td>
<td>Engineering Challenge: Safe Landing</td>
<td>3 - 8</td>
<td>60 min.</td>
<td>$165</td>
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<tr>
<td></td>
<td>Engineering Challenge: Cargo Glider</td>
<td>3 - 8</td>
<td>60 min.</td>
<td>$165</td>
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<td></td>
<td></td>
<td></td>
<td>90 min.</td>
<td>$225</td>
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<tr>
<td></td>
<td>Engineering Challenge: Lots of Bots</td>
<td>3 - 8</td>
<td>60 min.</td>
<td>$165</td>
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<td></td>
<td></td>
<td></td>
<td>90 min.</td>
<td>$225</td>
</tr>
<tr>
<td><strong>Presentations</strong></td>
<td>NEW! StarLab Portable Planetarium</td>
<td>K - 8</td>
<td>45 min.</td>
<td>$195</td>
</tr>
<tr>
<td></td>
<td>International Space Station</td>
<td>K - 8</td>
<td>60 min.</td>
<td>$145</td>
</tr>
</tbody>
</table>
AT YOUR SCHOOL
Bring your lessons to life with our mobile programs! Our hands-on workshops and dynamic presentations provide an engaging introduction to a new unit, a deeper exploration of a current topic, or a fun and authentic reinforcement of previously taught concepts.

Limited outreach scholarships are available each month to bring our programming to your Title I school. For more information, please contact education@sdasm.org.

Workshops

Unless otherwise noted, all workshops are one (1) hour in length and are priced at $165, plus a mileage fee of 75¢ per mile in both directions.

TRANSPORTATION STATION – GRADES PRE-K - K
Time to get moving! Explore different kinds of transportation as we experiment with forces and motion, and engineer our own vehicles.

NGSS standards supported: K-PS2-1, K-2-ETS1-1

THINGS THAT FLY – GRADES K-2
Is it flying, floating, or falling with style? Students will draw inspiration from plants, animals, and man-made machines as they build and test their own flying designs.

NGSS standards supported: K-PS2-1, K-2-ETS1-1

BLAST OFF! – GRADES 1-2
Ready to be a rocket scientist? Students will investigate the effects of mass on motion as they design, build, and test their own Alka-Seltzer powered rockets.

NGSS standards supported: K-2-ETS1-1, K-2-ETS1-3

AQUA-ROCKETS – GRADES 3-5
*90 minute program, $195
Our super-sized, high-flying rocket launch! Students will experiment with aerodynamics and Newton’s laws of motion as they manipulate different variables to control their rocket’s trajectory. *Requires access to open area outside of classroom.

NGSS standards supported: 3-PS2-1, 5-PS2-1, 3-5-ETS1-3

ENGINEERING CHALLENGE: ROVERS – GRADES 3-5
Students will engineer a wind-powered rover and test their designs on a variety of challenging different terrains.

NGSS standards supported: 3-PS2-1, 3-5-ETS1-3

ENGINEERING CHALLENGE: SAFE LANDING – GRADES 3-8
Students will engineer a landing system to protect cargo being sent to another planet, using limited supplies and reaching progressively more difficult targets.

NGSS standards supported: 3-PS2-1, 3-5-ETS1-3, MS-PS2-2, MS-ETS1-4
ENGINEERING CHALLENGE: LOTS OF BOTS - GRADES 3-8

Students will dive into electromechanical engineering as they experiment with circuits and motors to complete a series of challenges.

OPTIONAL: Add an extra half hour and a take-home mini-bot for each student!

Upgraded program costs $225 and requires 90 minutes.

NGSS standards supported: 3-PS2-1, 3-5-ETS1-3, MS-PS2-2, MS-ETS1-4

Presentations

NEW! STARLAB DIGITAL PLANETARIUM – GRADES K-8

Immerse your students in the wonders of the universe with our portable planetarium! Tour the constellations, identify different planets, and land on the surface of the moon as your whole class is transported and inspired by our 6 meter inflatable dome. Each 45 minute presentation includes an introduction and safety briefing, a tour of the solar system, and an exploration of your chosen topic:

- Phases of the Moon
- Reason for the Seasons
- Navigating Constellations

Our StarLab Digital Planetarium can hold up to 35 students, and must be able to fit safely indoors in a large gym, auditorium, multi-purpose room, etc. (to accommodate the dome, the room must have at least 14 feet in height and 22 feet in width).

$195 for 45 minutes, $155 for each additional presentation booked in the same day.

INTERNATIONAL SPACE STATION – GRADES K-8

Humans have been living and working on the International Space Station (ISS) since 2000, conducting experiments that have advanced our understanding of biology, physics, and so much more! Learn the history and purpose of the ISS, as well as the day-to-day life of an astronaut in microgravity and some of the most significant contributions the ISS has made to science and engineering today. This dynamic presentation includes demonstrations, touchable artifacts, and audience challenges to illustrate relevant concepts.

$145 for 60 minutes

After School and Community Programs

Not at a school? No problem! All of our workshops and presentations are available to your organization, with modified timing and content possible upon request; for more information, please contact the Education Department at (619) 234 – 8291 x191.

If you’re interested in having the San Diego Air & Space Museum bring a small table activity to your next family night or festival, please contact us at education@sdasm.org.
IN THE MUSEUM
Plan Your Next Field Trip

<table>
<thead>
<tr>
<th></th>
<th>STUDENTS</th>
<th>REQUIRED CHAPERONES</th>
<th>ADDITIONAL CHAPERONES</th>
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<tbody>
<tr>
<td>San Diego County</td>
<td>Title 1 Schools</td>
<td>Free</td>
<td>Free</td>
</tr>
<tr>
<td></td>
<td>Other Schools</td>
<td>$4</td>
<td>Free</td>
</tr>
<tr>
<td>Out of County</td>
<td>All Schools</td>
<td>$5</td>
<td>Free</td>
</tr>
</tbody>
</table>

For museum field trips, grades K-1 require a chaperone to student ratio of 1:5, and grades 2 and above require a ratio of 1:10.
ADD A WORKSHOP OR PRESENTATION!
Enhance your field trip experience and extend student learning with a workshop or presentation at the Museum. Workshop prices for on-site programs include admission into the galleries for students and chaperones.

SPECIAL EXHIBIT
In addition to our expansive permanent collection, come check out our new special exhibition, SPACE: Our Greatest Adventure! Featuring interactive technology, hands-on demonstrations, and historic artifacts, the gallery engages students with the past, present, and future of space exploration, inspiring a future generation to reach for the stars.

Homeschool Groups
Non-traditional schooling needs non-traditional enrichment: all of our programming uses inquiry-based methodology and can be taught for a large range of ages and ability levels. For recommendations on the best workshop or presentation to fit your particular group size and interests, please contact education@sdasm.org.

Many thanks to:
  • Price Charities
  • City of San Diego Commission for Arts and Culture
  • The Samuel J. And Katherine French Fund
  • San Diego Air & Space Technology Center
  • San Diego Gas & Electric
  • Fleet Family Foundation
  • David Copley Family Foundation
  • The Kenneth T. and Eileen L. Norris Foundation
CONTACT INFORMATION

619.234.8291 x 119

education@sdasm.org