

Engineering Night

Host a Family Science Night at your school & access engineering in a whole new way!

Family Night Programs:

- Encourage cooperative learning among students, parents, and teachers
- All activities are aligned with Florida Sunshine State Standards set in each subject
- Introduce scientific and engineering design processes, concepts, and themes with a fun, hands-on approach
- Develop communication and problem-solving skills
- Present experiments and demonstrations that supplement formal school curriculum
- Provide activity ideas that can be repeated at home for further discovery
- Reinforce the idea that everyone can be a scientist or engineer

Family Science Night includes:

- 15 hands-on stations complete with instruction cards
- A variety of engineering topics, including: mechanical, electrical, structural, chemical engineering, and more!
- Supplies for up to 300 participants (amounts based on suggested usage)
- Set-up and tear-down assistance in your cafeteria, auditorium, or other large
- Passport worksheets to encourage student participation
- A raffle prize of 4 Orlando Science Center Ultimate Adventure Tickets (passports used as drawing entries) to one lucky participant

Interactive station titles may include:

- Circuit Mania
- Roller Coaster Engineering
- Sail Cars
- Bernoulli's Jets
 Weather Balloons
 Chemical Enginering
 Home-Made Music
 - Skyscrapers 101
 Get in Gear

 - Think for a Robot
- Arches
- Bridge Engineering
- Earthquake!
 - Float the Boat
 - Rocket Launcher

(Stations are subject to change and based on availability. OSC staff will select 15 stations prior to event.)

Program time is 90 minutes.

NGSSS Alignment: SC.K.E.5.1; SC.K.P.10.1; SC.K.P.13.1; SC.2.E.7.5; SC.2.P.8.1; SC.2.P.13.1; SC.2.P.13.3; SC.2.P.13.4; SC.3.N.3.2; SC.4.P.10.4; SC.5.P.10.4; SC.5.P.11.1; SC.3.E.5.4; SC.4.P.10.4; SC.4.N.1.8; SC.4.P.8.2; SC.4.P.10.2; SC.4.P.10.3; SC.4.P.12.1; SC.5.P.13.1; SC.8.P.9.2; LA.2.6.1.1; SS.3.G.2.5; SS.6.W.3.14

Download the **Engineering Take-Home Activity**

For more information or to make your reservation call 407.514.2112 or visit www.osc.org.