



MEDIA ALERT | For Immediate Release
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NEW VIRTUAL STEM PROGRAMS BRING
SCIENCE CENTER EXPERIENCE TO SCHOOLS
EXHIBIT EXPLORATIONS AND ENGINEER THE FUTURE OFFER
DYNAMIC LEARNING OPPORTUNITIES FOR GRADES 3–12

PITTSBURGH, Jan. 14, 2021 — Carnegie Science Center is kicking off 2021 with two exciting virtual STEM programs that will engage students in grades 3–12 with in-depth lessons in astronomy, biology, robotics, engineering, technology, and other scientific concepts.

[Exhibit Explorations](#), a brand-new virtual learning opportunity, invites students in grades 3–12 to dive into the science behind the museum's most popular exhibits. Each of the four themed experiences are packed with the exciting and educational STEM lessons found in every Science Center field trip — all streamed directly to elementary, middle, and high school classrooms.

Students will virtually engage in exciting demonstrations, exhibit tours, and live instruction from the Science Center's team of science educators. With each offering aligned to Next Generation Science Standards and Pennsylvania State Science Standards, Exhibit Explorations are available with grade-appropriate content for elementary (grades 3–5), middle (grades 6–8), and high school (grades 9–12) students.



The four themes include:

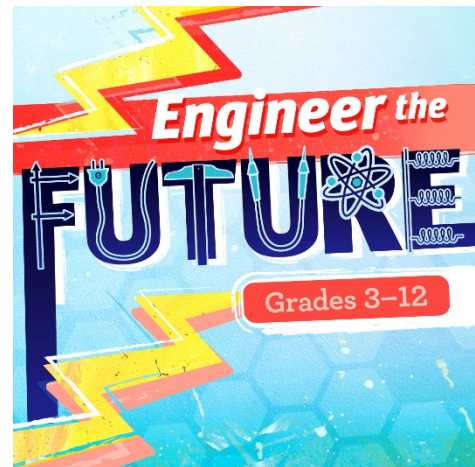
- **Engineering and Robotics:** Learn about the engineering design process by exploring the robots in roboworld® and investigating how they accomplish tasks. Then, visit educators in BNY Mellon

Fab Lab Carnegie Science Center as they use a 3D printer and laser cutter to prototype a flying machine.

- **Animal and Aquaria:** Understand how organisms interact with other living components of an ecosystem and how water quality affects populations. Featuring video interactions with the swimming, hopping, and slithering animals in the H2Oh! Field Station.
- **Space and Astronomy:** Explore the relationship between the Earth, Sun, and other celestial bodies with out-of-this-world interactions in Buhl Planetarium and SpacePlace. End with a bang as the Theaters team demonstrates rocket propulsion using an alcohol-powered rocket.
- **Health and The Human Body:** Observe how systems of the body behave and how external factors affect our overall health with a tour of BodyWorks. Then, visit the Works Theater for a demonstration of how the human body turns food into energy.

Educators can book Exhibit Explorations for \$250 per classroom of up to 35 students. For more information, visit carnegiesciencecenter.org/educators/field-trips/exhibit-explorations.

In addition, [Engineer the Future](#), the Science Center's annual celebration of National Engineers Week, will be offered virtually Feb. 22–26. Students in grades 3–12 can explore exciting opportunities in the engineering field through live programs and asynchronous supplemental materials.



Live programming will include the new Engineering and Robotics Exhibit Exploration, where students can learn about the engineering principles behind their favorite Science Center exhibits. In addition, students in grades 3–8 will experience the Science on the Road virtual **assembly, Who** Wants to Be an Engineer, while students in grades 9–12 will tackle an engineering design challenge during a Fab Lab Engineering Experience.

Teachers will also have access to a library of asynchronous materials — including videos with industry professionals and engineering demos — through the end of March.

Schools can book Engineer the Future for \$525 per classroom and add on additional classrooms for \$50 each. Scholarship funding is available for qualifying schools. For more information, visit <https://carnegiesciencecenter.org/educators/themed-field-trips-engineer-the-future/>.

Engineer the Future is powered by the Duquesne Light Co. Center for STEM Education and Career Development and sponsored by Arconic.

About Carnegie Science Center

Carnegie Science Center is dedicated to inspiring learning and curiosity by connecting science and technology with everyday life. By making science both relevant and fun, the Science Center's goal is to increase science literacy in the region and motivate young people to seek careers in science and technology. One of the four Carnegie Museums of Pittsburgh, the Science Center is Pittsburgh's premier science exploration destination, reaching more than 700,000 people annually through its hands-on exhibits, camps, classes, and off-site education programs.

About Carnegie Museums of Pittsburgh

Established in 1895 by Andrew Carnegie, Carnegie Museums of Pittsburgh is a collection of four distinctive museums: Carnegie Museum of Art, Carnegie Museum of Natural History, Carnegie Science Center, and The Andy Warhol Museum. In 2016, the museums reached more than 1.4 million people through exhibitions, educational programs, outreach activities, and special events.

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