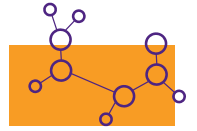


CAMPAIGN FOR INNOVATION



PHYSICAL SCIENCE LAB | DISCOVER OUR PLACE IN SPACE - GIFTED!

Feel the forces around us and discover earth and space sciences like never before. **The Physical Science Lab** will focus on inquiry-driven programs across many areas of the physical sciences including Earth science, astronomy, physics, chemistry, and material sciences.

In the Physical Science Lab, students will encounter the cross-disciplinary, trial-and-error process embedded in STEM education which will help them to build confidence and resilience and prepare them to be successful in their careers. Exploring topics ranging from optics, sound, physics, chemistry, and engineering to Earth and space sciences, experiences in the Physical Science Lab will bring learning to the next level by connecting lessons with real-world applications.

The RMSC will partner with local industries, businesses, subject matter experts, colleges and universities to ensure that our offerings bridge the gap between in-classroom learning and real-world experiences, thus enhancing students' career readiness by creating connections between the scientific concepts explored and the occupations to which they relate.

Examples of Physical Science Lab Programs include:

Light & Waves



Explore reflection, refraction and how light waves interact with one another and objects to affect what we see. Learn about careers in the field of optics and the types of work they do. This experience includes hands-on experiments both in the lab and in our *Illumination: The World of Light and Optics* exhibition.

Engineering Our World



Become a civil engineer to construct buildings and bridges. Create your own gadget and examine the inner workings of household machines to investigate how things work. Toss in a little environmental, electrical, and simple computer engineering, too!

Cool Chemistry



Explore all the states of matter in this program so cool, you could call it sub-zero! Delve into a world of solid dry-ice and sublimating gases, color changing crystal balls and bubbles that can be held without popping. Explore temperature effects on the states of matter!

For more information, please contact: *Melanie Barnas-Simmons*,
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