

The universe is vast beyond our comprehension. Where do we fit in? How have events far away in space and time driven the evolution of life and permitted our existence? Is the Earth the only planet with life? Or is life common on worlds orbiting other stars? How can we use science and technology to begin to answer such profound questions?

We made Star Wheels and learned to identify some of the 10,000 stars visible on a clear night. We'll never get lost again, now that we know how to use the Big Dipper and Cassiopeia to find North. Some of us mastered the skills required to operate a telescope, and all of us were rewarded with views of the Moon and Jupiter that took our breath away.

Waves and light were investigated. An understanding of both is required to further our understanding of the Cosmos. We saw how cosmic collisions, when objects from space hit the Earth with devastating consequences, influenced our past and will impact our future. Finally, we used bunsen burners to simulate the most dangerous part of spaceflight, the re-entry into the Earth's atmosphere.

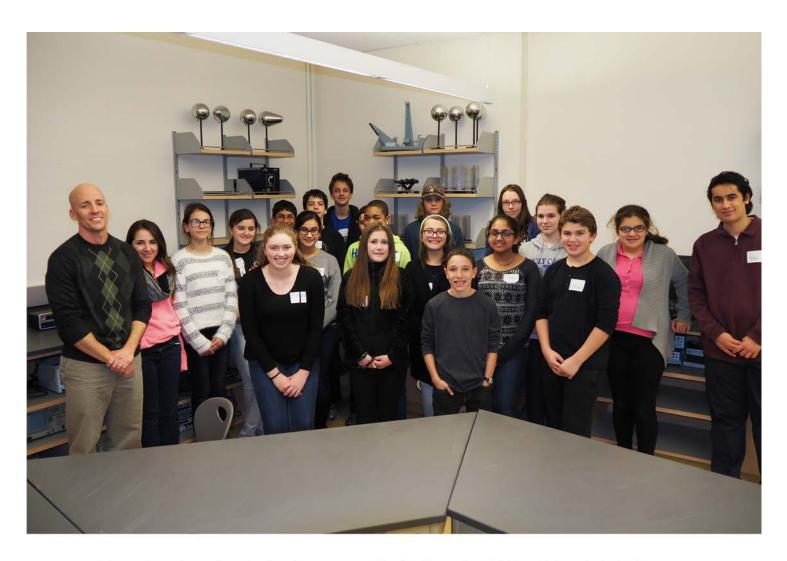
Look at the stars whenever you can. Exhale with wonder. Feel the shiver run down your spine as the grandeur sinks in. Smile. Curiosity about our place in the universe is part of what makes us human.

It's been a pleasure working with you.

E. Marc Coe



Gravity was investigated using the "levitating" slinky.



Even after a long day at school, we were enthusiastic and couldn't wait to get started!



We braved the sub-zero windchills and acquainted ourselves with the skies as our ancestors would have seen them - without telescopes



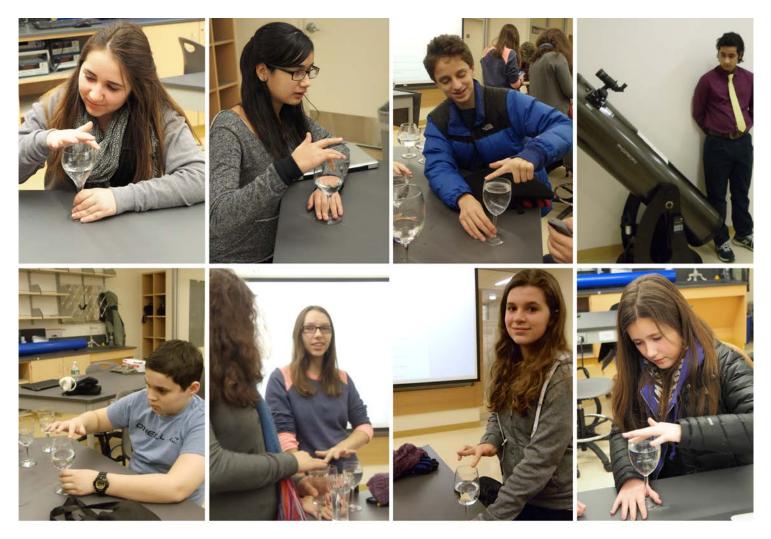
Using our star wheels, we learned to identify constellations.



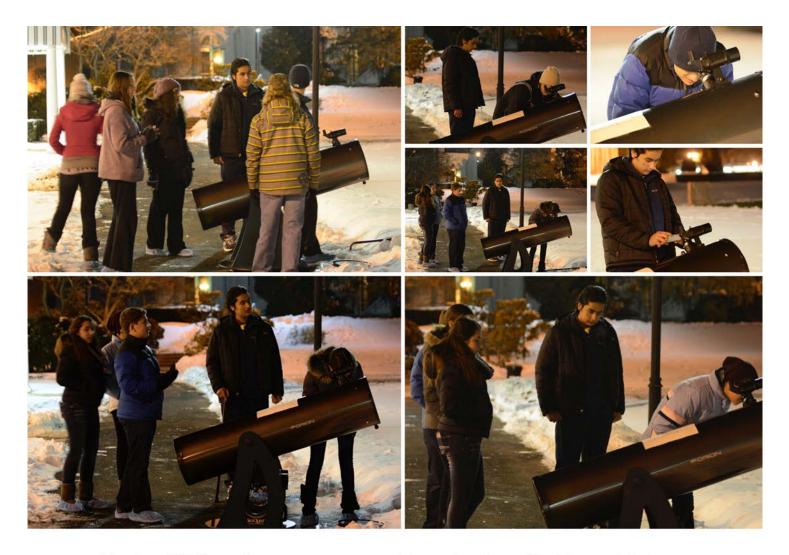
Space time fabric allowed us to examine the universe as Albert Einstein envisioned it.



Information about the universe travels to us via waves. Waves were investigated using many activities.



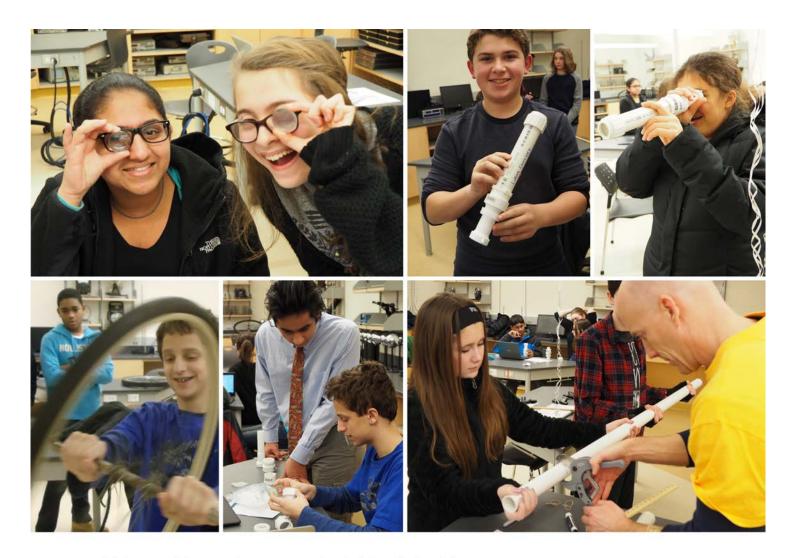
We learned new ways to annoy our parents as we created waves using water and wine glasses.



Thanks to Nikhil's persistence, we were treated to amazing views of the Moon and Jupiter.



Properties of waves were investigated with Slinkies.



Using careful measuring, we constructed functioning telescopes.



Technology has been extending the range of human senses for centuries. We are proud to continue the tradition.





Light was trapped and reflections were explored.



In the future, humans may colonize other worlds. We saw that many problems need to be solved for this endeavor to be successful.



We built spectroscopes, which revealed the complexity hidden in a beam of white light.





