

STEM IN THE LAB

innovate. explore. discover.



OUR MISSION

INL's K-12 STEM Program works to inspire Idaho's future STEM workforce, impact students, teachers and families by integrating best practices in STEM education, and empower employees to become STEM mentors to transform K-12 STEM into a driver for innovation.

STEM IN ACTION



BALLOON CARS

Make your own balloon car through the engineering and design process and learn how INL engineers are working with automobile manufactures to advance energy source technologies.

TRY THIS AT HOME

Air is not just empty space- it has mass and is made up of molecules. A molecule is a group of atoms bonded together. Air molecules are constantly moving. Our atmosphere is made up of molecules of different gases. The most common gases are nitrogen and oxygen.

When air is blown into the balloon, the molecules push against the walls of the latex balloon. The balloon will grow as more molecules of air are added. As long as the hole plugged, the balloon stays inflated, trapping the air molecules inside. As you open the hole, the air molecules escape, propelling the car forward.

CAREERS IN STEM

BUILDING STEM SKILLS

If you enjoy the challenge of learning new things, understanding how things work, and solving problems, a career in STEM could be your future! At INL, engineers are working on developing batteries for next generation concepts and working with automobile makers to advance energy storage technologies. Electric vehicles are considered clean energy or renewable energy, which means the emissions from the car do not pollute our air or water. Visit us and learn more about the careers that await you.

STUDENTS + PARENTS + EDUCATORS

For information on grants, training and student opportunities; curriculum ideas and resources, please visit us at: stem.inl.gov.

