

STEM IN THE LAB

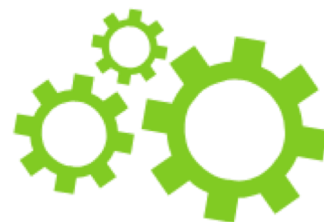
innovate. explore. discover.



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



BRISTLEBOTS

Make your own miniature robot and race them while learning about different types of electronic systems, friction between objects, and how adjustments to the robot change the outcome.

TRY THIS AT HOME

Take it bot bowling or race it against other bristlebots! You can also super-size it. Make a giant BristleBot out of a big brush (like a scrub brush) and 3-volt hobby motor. To make the motor vibrate, add a strip of duct tape or tape a bead to the metal shaft from the motor. When the shaft spins, the off-center weight will bounce the brush, propelling it 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.

