



INTERMEDIATE SKILLS CHALLENGE RACE TO A GREENER FUTURE!

The **INTERMEDIATE SKILLS CHALLENGE (ISC)** is a full-day, hands-on design challenge for Grade 9 students across Nova Scotia, with Grade 8 students also welcomed to participate, as a chance to build early skills and prepare for next year's science curriculum.

Examples of green energy options include: solar panels, sails, mini wind turbines, etc.

The ISC connects directly to the Grade 9 science curriculum by engaging students in electricity, efficiency, and renewable energy while highlighting links to climate change.

Curriculum Connections :

- Students explore power consumption, efficiency of appliances, and learn about making informed decisions.
- Students will propose a course of action with respect to human and environmental needs for electricity and energy.
- Students also explore the connections between energy production and climate change.
- This challenge reinforces classroom learning through applied, hands-on exploration while encouraging teamwork, problem-solving, and creativity.

THE CHALLENGE: Each team receives a base car kit and \$75 to customize and adapt their design with green energy technology. Students will have six weeks to design and build their model car at their own school (shipping times may vary.) Cars must be ready to drive before arriving at the event. Students will have time for touch-ups and final checks before racing in the ISC competition alongside teams from across the province.

A Maker Space zone will be available throughout the event, giving students the opportunity to continue adapting, testing, and improving their designs on event day. Students will also give a short presentation to our Green Energy Judges, allowing them to explain their design choices and show their understanding and application of green energy practices.

WHEN: Friday, October 30, 2026

WHERE: Within the Halifax Regional Municipality (will be announced.)

WINNER NEXT STEPS: The winning team will represent Nova Scotia at the Atlantic Intermediate Challenge in St. John's, NL, on November 21, 2026, competing against other students across the Maritimes to further explore and connect students with the green energy sector.

BE SURE TO SECURE YOUR SPOT TODAY! REGISTRATION CLOSSES SEPTEMBER 16, 2026!

*Please note to ensure fair participation and representation from schools across the province, each school may register up to 5 teams (10 students total) for the Intermediate Skills Challenge.

Presented by: