Idaho TECH Quick Facts

Team—Each team MUST have a teacher sponsor who will be fully responsible for the team, provided LEGO® kits, and be the main point of contact for the team.

- Each team MUST have between 4 and 6 students from 4th, 5th, and/or 6th grade that attend school in the same school district.
- Each team may have up to TWO mentors (7th-12th graders) to assist the team
- Each team may have an unlimited amount of parental and community support

Mission—The purpose of Idaho TECH is to build a Mars Rover AND to present the Rover in eight different areas at an Engineering Design Competition. If your team does not have full intentions of attending a competition, you should NOT be participating in the Idaho TECH program.

- The Rover created MUST have a rock collection device, and a rock storage area.
- A Lab Notebook MUST be kept during the entire Idaho TECH program and MUST include a timeline, 3 itemized budgets, day-to-day notes and individual pie charts.
- A team MUST do a verbal and poster presentation at the competition.

Expenses—Each team is responsible for the following expenses.

- No more than $50 for additional Lego®s (these are NOT provided by the Idaho Space Grant Consortium (ISGC). Additional Lego®s are purchased directly from the vendor by the Idaho TECH team). ANY TEAM WHO SPENDS MORE THAN $50 ON ADDITIONAL LEGO®S WILL BE AUTOMATICALLY DISQUALIFIED
- No more than $30 for the poster display
- An unlimited fund base for “Non-LEGO® Allowable Elements,” including batteries, as described in the manual
- Travel funds to attend the Engineering Design Competition
- Funds to ship the kits back to the ISGC, pay late fees (if returned after June 16th), and replace damaged and/or missing parts (if necessary)

Supplies—The provided kits, including the building cards in these kits, are to be returned to the ISGC by June x, 2015 in complete, working order- or charges will result

- You may only use the two provided LEGO® kits, up to $50 in additional LEGO®s, and/or items on the “Non-LEGO® Allowable Elements” to construct your Rover.
- You may have up to three battery boxes-OR-two motors as part of your Rover design. The $50 additional LEGO® budget does NOT allow you to incorporate three battery box/motor/wire set-ups into your Rover design.
- Teams may NOT use geared-down motors, or any other power source other than the 9-volt simple motors and pneumatics provided to operate your Rover. The Rover MUST operate without the need to push or pull it manually. This includes the operation of your rock collection device.

Manual Must Read

- Rover Materials and Design for competition rover restrictions
- Competition events and Scoring for needed rover capability
- Kit Return Info for what to do after the competition

Help—Have a question or problem? Visit, http://ed.isu.edu/Idaho_TECH or e-mail idtech@isu.edu