



Announces the NEW Competition:

# Space Challenge

**Robotics Competition  
Has 2 Categories:**

**Robot Performance**  
Earn points in  
"Challenge Missions"

**& Research  
Project**

**7 Ministry Awards:**

### **Robot Awards**

- Mechanical Design
- Programming
- Strategy & Innovation
- Robot Performance

### **Research Project**

- Research Project
- Innovative Solution

### **Robotics Award of Excellence**

- Best Overall- Robot and Research

**Supt. David T. Whittley**

Executive Director, SMM

*For More Information, Contact*

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This exciting space exploration themed material contains over 30 hours of activities, consisting of: seven Challenge Missions, nine Learning Missions and one Basics of Gears project. Each mission and project is a fun and engaging STEM learning opportunity. An additional three research projects, co-developed with space experts, provide rich opportunities for students to explore and create innovative solutions to current space exploration topics.

**Basics of Gears:** Students apply physical science and math principles to build effective robots.

**Learning Missions:** Students progress through nine distinct missions in which they investigate, observe, calculate, and apply their knowledge to solve specific tasks.

**Challenge Missions:** Students apply and creatively adapt programming and problem-solving skills to design and build robots to solve seven very different space challenges.

**Research Projects:** Students explore, plan, and develop around three fundamental challenges NASA engineers and scientists are working to solve – how to ensure humans can survive in space, how humans can create energy in space, and how robots can help humans explore space.

The Space Challenge Curriculum is designed to address ITEEA and ISTE technology standards, Next Generation Science Standards, and Common Core State Standards.

Students work as scientists and engineers, immersing themselves in motivating STEM activities that develop creative problem solving, communication, and teamwork skills.



Obtain Competition Materials from Lego Education  
<https://education.lego.com/en-us>



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LEGO MINDSTORMS  
Education EV3 Core Set  
Item # 5003400 \$400

EV3 Space Exploration Set  
Item # 45570 \$250

**INTERESTED IN STARTING A TEAM? CONTACT MINISTRY COORDINATORS**