

GETTING STARTED WITH eCYBERMISSION!

Encourage students to use STEM to explore or solve a community issue. Here's everything you need to guide them through the process.

ABOUT THE COMPETITION

With the support of a Team Advisor, students in grades 6–9 work in teams of 3 or 4 to either:

- ▶ **ASK** a question and construct an explanation by designing an experiment (scientific inquiry) OR
- ▶ **DEFINE** a problem and design a prototype/model (engineering)

COMPETITION STEPS

PLAN THE PROJECT

Find these sheets
in this guide.

- ☐ Work as a Team
- ☐ Ready, Set, Brainstorm
- ☐ Create a Problem Statement

SCIENTIFIC INQUIRY

- ☐ Develop Your Hypothesis

ENGINEERING DESIGN

- ☐ Plan Your Design

IMPLEMENT THE PROJECT

Find these sheets at scholastic.com/eCYBERMISSION

- ☐ Conduct a Safety Check

SCIENTIFIC INQUIRY

- ☐ Design Your Experiment
- ☐ Analyze Your Data
- ☐ Find Sources of Error
- ☐ Draw Conclusions

ENGINEERING DESIGN

- ☐ Build Your Vision
- ☐ Test, Analyze, Improve
- ☐ Find Sources of Error

FINALIZE THE MISSION FOLDER

- ☐ Wrap It Up

TOOLS TO DEVELOP ENTRIES

Use the activity sheets in this guide and online at scholastic.com/eCYBERMISSION to support teams at each stage of the process. **TIP:** Make sure teams save all notes and charts!

FOR MORE RESOURCES

Visit eCYBERMISSION.com to access competition rules, grading rubrics, and other important Team Advisor and student resources.

DEADLINE

Teams must complete their Mission Folders at eCYBERMISSION.com by **3/3/2021**.

REMOTE TIP Check out CyberGuide Live Chats at eCYBERMISSION.com/CyberGuideChat for live team support.

ORGANIZE YOUR MISSION!

Join eCYBERMISSION, a competition that challenges young people like you to explore issues in your community using science and engineering.

GREAT PRIZES!

You could win up to \$10,000 in savings bonds!

Deadline: 3/3/21

GET STARTED

You'll need a team of 3 or 4 students in the same grade, PLUS a Team Advisor (like a teacher or parent). Then your team will:

- ★ Ask a question and construct an explanation by designing an experiment, OR
- ★ Define a problem and design a prototype

DEVELOP YOUR ENTRY

Your teacher will give you activity sheets to help your team participate in the competition. You'll:

- ▶ Build your team and brainstorm a topic
- ▶ Create a hypothesis or design statement
- ▶ Design an experiment or test a prototype
- ▶ Analyze your data and draw conclusions

TIP: Keep all your notes and charts. You'll need them to submit your Mission Folder.

COMPLETE AND SUBMIT!

Finally, you'll complete a Mission Folder, which will become your competition entry!

The deadline is March 3, 2021.

- ➡ If you design an experiment, submit answers to the [Scientific Inquiry Questions](https://bit.ly/SIquestions) (bit.ly/SIquestions)
- ➡ If you build a prototype/model, submit answers to the [Engineering Design Process Questions](https://bit.ly/EDPquestions) (bit.ly/EDPquestions)

AMAZING PRIZES

Each student on a prize-winning team will receive a savings bond! Prizes include:

- National Awards: **\$10,000** savings bond at maturity
- Regional Winner: **\$4,000** savings bond at maturity
- Regional Finalist: **\$2,000** savings bond at maturity
- State 1st Place: **\$1,000** savings bond at maturity
- State 2nd Place: **\$500** savings bond at maturity



NO FEE OR PURCHASE NECESSARY TO ENTER OR WIN. Void where prohibited. The Competition is open only to full-time high school students in a public, private, or home school that is in compliance with the laws and regulations of its state/district and who are residents of the above. A complete team of three to four students and a Team Advisor must be registered by January 6, 2021, at 11:59 p.m. ET. Mission Folders (the complete competition entry) may only be submitted electronically by the Team Advisor by March 3, 2021, at 11:59 p.m. ET at ecybermission.com. See Official Rules for full entry and pricing information. Prizes: Each student on the first-place national winning teams will receive up to \$10,000 in savings bonds. State, regional, and honorable mention team prizes will also be awarded. SPONSOR: NSTA AEOP, 1840 Wilson Boulevard, Arlington, VA 22201-3092 USA.