

Robotics Team Roles



It's important to provide scaffolding for students learning to work on teams. These roles provide that structure. Swapping and sharing roles throughout a project is encouraged as teams decide what steps are necessary. Hand out these role cards as student guides.

Coding Captain



As the **Coding Captain**, you need to make sure everyone is keeping up with their work.

- * Keep team members motivated
- * Keep team organized
- * Consider and share what's fair
- * Listen to team members



Designer



As the **Designer**, you will help lead the team creatively.

- * Push team members to think of 2-3 solutions
- * Inspire team members to be more creative
- * Sketch their ideas
- * Draw a background or map for the robot



Researcher



As a **Researcher**, it's your job to find the answers to your team's questions.

- * Keep track of and locate answers to team questions
- * Tell team members what seems logical
- * Look for patterns, and share findings
- * Research robot design and function issues



Programmer



As a **Programmer**, you'll work closely with the Designer to write the program that makes the robot do what the team wants it to do.

- * Work to complete a program that makes the robot do what the team has planned
- * Pay close attention to coding lessons
- * Be detail-oriented
- * Lean on others for support
- * Be patient



Robot Wrangler



As a **Robot Wrangler**, you are the one who powers the robot and tests it out.

- * Learn to handle the robot
- * Listen to all members of the team
- * Practice robot handling as much as possible
- * Teach 1-2 team members how to handle a robot in case you are unavailable



Tinkerer



As the **Tinkerer**, you are on a quest to improve robot performance and to find solutions.

- * Be detail-oriented
- * Communicate your findings and what you plan to do
- * Make a checklist to follow
- * Work closely with the Documentarian



Documentarian



As the **Documentarian**, you'll be taking thoughtful, organized notes of every single thing your team does.

- * Keep a notebook organized and easy to read
- * Write daily work summaries
- * Create an outline of team goals
- * Keep track of notes, videos, pictures, and sketches
- * Ask each team member to contribute what they did

