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.

**Robotics Team Roles**

### Designer

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

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

### Coding Captain

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

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

### 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
- Look for patterns, and share findings
- Tell team members what seems logical
- Research robot design and function issues
- Inspire team members to be more creative
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
- Be detail-oriented
- 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
- Make a checklist to follow
- Work closely with the Documentarian
- Communicate your findings and what you plan to do

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