Remote Teamwork
Programming

FIRST TECH CHALLENGE
Project Management
Create a list of requirements. What does your robot need to do?

Check out the Computational Thinking video series.
• Work together to create a prioritized list of tasks.

• Use the Roles and Responsibilities resource to write down tasks and assign.
Project Management

Remote Programming of the Robot

• Agree upon assignment of tasks (who will work on what?)
  • Do they need help from anyone to complete the task?
  • Can anyone help review what they have done?
Video and Chat Platforms
Video and Chat Platforms

Remote Teamwork

- Slack
- Discord
- Teams
Best Practices
Best Practices

Remote Programming

• Documentation
  • The required Control Award sponsored by Arm, Inc. is judged based on a two-page document about an aspect of the control system.
  • Commenting the code helps to explain the purpose.
  • Create a wiki for using the software.
Best Practices

Remote Programming

- Style consistency
  - Improves code readability
- Software management
  - Repositories vs. email .zip files/removable devices
  - Why use Git?
    - Centralized storage for code.
    - Manages software changes.
    - Allows for easy sharing among team members.
    - Version history.
Resources
Resources

Remote Programming

- Github Tutorials

What do you want to do first?
Every developer needs to configure their environment, so let's get your GitHub experience optimized for you.

- Start a new project
  - Create a repository

- Collaborate with your team
  - Create an organization

- Learn how to use GitHub
  - Start Learning

- Get started with an "Introduction to GitHub" course in our Learning Lab
Special thanks to our volunteers!