



# Remote Teamwork

## Programming



**FIRST**  
**TECH**  
**CHALLENGE**

# Project Management



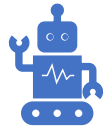
**FIRST**  
**TECH**  
**CHALLENGE**

# Project Management

## *Remote Programming of the Robot*



Create a list of requirements.



What does your robot need to do?



Check out the [Computational Thinking](#) video series



# Project Management

## *Remote Programming of the Robot*

- 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



**FIRST**  
**TECH**  
**CHALLENGE**

# Video and Chat Platforms

## *Remote Teamwork*

- [Slack](#)
- [Discord](#)
- [Teams](#)



# Best Practices



**FIRST**  
**TECH**  
**CHALLENGE**



# 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.



The background image shows a busy exhibition booth for the FIRST Tech Challenge. On the left, three young men in red team shirts and safety glasses stand together, holding remote controls. In the center, a man in a black and white striped shirt is looking at a tablet. To the right, a group of people, including a man in a yellow and black shirt, are gathered around a large, red and white robot. The robot has a prominent red cylindrical component. In the background, there are banners for 'FIRST ROBOTICS COMPETITION' and 'FIRST TECH CHALLENGE'. The word 'Resources' is overlaid in large white text across the middle of the image.

# Resources






**FIRST**  
**TECH**  
**CHALLENGE**

# 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.

 <p><b>Start a new project</b> Start a new repository or bring over an existing repository to keep contributing to it.</p> <p><a href="#">Create a repository</a></p>	 <p><b>Collaborate with your team</b> Improve the way your team works together and get access to more features with an organization.</p> <p><a href="#">Create an organization</a></p>	 <p><b>Learn how to use GitHub</b> Get started with an "Introduction to GitHub" course in our Learning Lab.</p> <p><a href="#">Start Learning</a></p>
--	---	--

[Skip this for now >](#)



# Special thanks to our volunteers!

