

LEARNING RESOURCES

THINKERSHIELD GROUP PROJECT

Stages 3 & 4

Looking for a way or to organise your group project with ThinkerShield? This activity sheet will help you share the work fairly by breaking down the project into manageable tasks. Make sure you have at least one person in every role. Remember to always help your teammates in other roles if you can.

Team name _____

Team members _____

THINKERSHIELD CODERS

1. _____

2. _____

ROLE DESCRIPTION

The ThinkerShield Coders will work together building the code on one desktop computer.
You can use another device or use the desktop to research your code.

You will be responsible for:

- Writing code
- Testing code
- Communicating with the makers to ensure design works with the ThinkerShield and external components

Add your own:

EQUIPMENT REQUIRED

- ThinkerShield and Arduino

Add your own:

DESIGNER MAKERS

1. _____

2. _____

ROLE DESCRIPTION

The Designer Makers will work together to build the display. You can use materials from The Lab or bring in your own from home. If there are materials you need, let us know and we shall try to get them for you.

You will be responsible for:

- Matching the design elements to the agreed upon audience and purpose
- Consulting the group's vision and concept for the project to make sure the build matches the plan
- Communicating with the ThinkerShield Coders to ensure design works

Add your own:

EQUIPMENT REQUIRED

- Crafting materials

Add your own:

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REPORTERS

1. _____

2. _____

ROLE DESCRIPTION

The Reporter(s) will consult with other team members on progress. Assist team members if needed. Create Google Slides presentation to be presented in the last week.

You will be responsible for:

- Planning the group presentation
- Adding photos, captions and presenter notes to the presentation each week
- Presenting your group's project

Add your own:

EQUIPMENT REQUIRED

Add your own:

VISION

What do you want your project to achieve?
Who is your target audience?

RESEARCH

Explain your idea to other groups and get feedback.
Ask three questions about what they would like to see or change.

PROJECT

How do you use the product?
How does it work?
What is the goal and what happens when you achieve it?

COMPONENTS

What outputs will you use?
What inputs will you use?
Do you have all the components you need?

MATERIALS AND DESIGN

What materials will your project use?
Sketch a design for your project.



