

Presentation Guidelines

Your presentation has two parts:

1. Tri-fold presentation board
2. Verbal presentation

Use your Logbook and the following list to create your presentation.

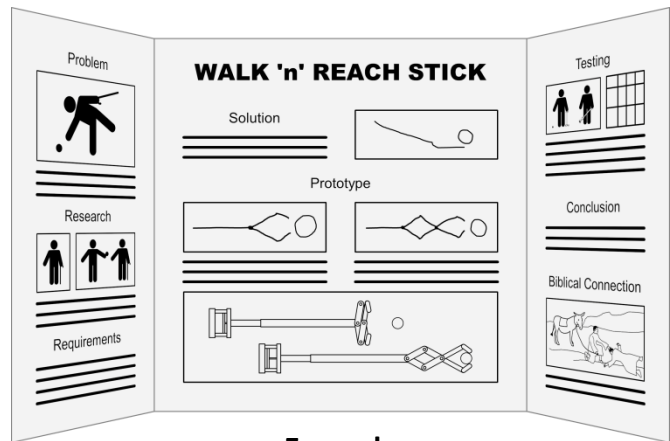
What should you include in your presentation?

- Problem
 - What problem did you choose to solve?
 - What were the important details of the problem?
- Research
 - Who or what has this problem?
 - Did you find any existing solutions or inventions?
- Requirements
 - What requirements did your solution have?
- Solution
 - What ideas did you come up with?
 - Which solution did you finally choose?
- Prototype
 - Explain your design, how you built it, and the changes you made.
- Testing
 - What tests did you do?
 - What did you learn from the tests?
- Conclusion
 - Did it solve the original problem?
 - Which part was your biggest challenge?
 - What changes or improvements could you make in the future?
 - What impact did it have or could it have in the future?
- Biblical Connection
 - What spiritual lesson did you learn from this project?



Requirements: Tri-Fold Board

- Use a standard size tri-fold board
- It should appear neat and attractive
- Invention name at the top
- Labeled sections for each step of the engineering design process and conclusion (refer to your Logbook and the list from the previous page)
- Summarize what you did for each section
- Include drawings or pictures of your design
- Include data tables or graphs if you have them
- Describe the biblical connection for your project



Example

Requirements: Verbal Presentation

- Introduce each person in your team (first name & grade)
- Describe your invention process (use your Logbook and the list from the previous page)
- Demonstrate your invention (see Demonstration section below)
- All group members must take turns speaking (at least one section per person)
- Speak loudly and clearly
- Maintain good eye contact and avoid fidgeting
- You can point to things on your tri-fold board but don't just read it.
- Describe the biblical connection for your project
- Maximum presentation time: 6 minutes (including demonstration)
- Optional Q/A following presentation

Demonstration

Demonstrate your prototype during the verbal presentation.

- If the prototype works, you should practice with it before presenting.
- If the prototype does not work or only partially works, show what you can.
- If you cannot demonstrate your prototype live, then record a video to show during the presentation (on a laptop or tablet).