# Presentation Guidelines

Your presentation will consist of two parts: a tri-fold presentation board and a verbal presentation. For both parts, you will need to describe your invention and the design process you used to create it. Look through your Logbook and refer to the following list to create your presentation.

**What should you include in your presentation?**

Explain the engineering steps you took to create your invention and describe the final result.

- 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/inventions?
- Requirements
    - What requirements did you specify for your solution?
    - What did it have to accomplish to succeed?
- Solution
    - What ideas did you consider?
    - Which solution did you finally choose?
- Prototype
    - Explain your invention design and the prototype you created.
    - Discuss how you built it and any changes/iterations you made.
- Testing
    - What tests did you conduct on your prototype and what were the results?
    - Did the prototype meet the requirements?
    - Did you need to make any changes?
- Conclusion
    - Did it solve the original problem?
    - What was the biggest challenge you encountered?
    - What changes or improvements could you make in the future?
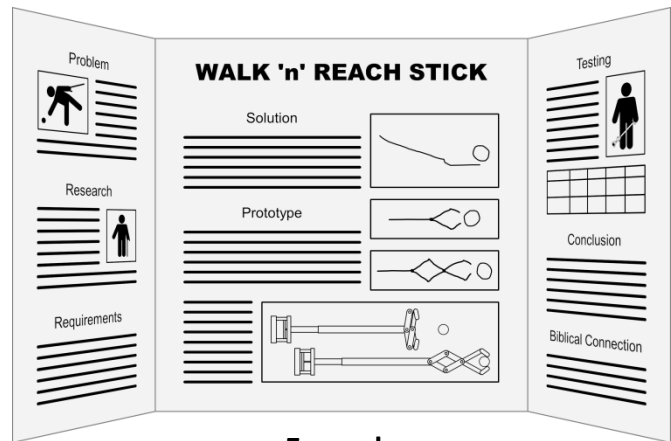    - What impact did it have or could it have in the future?

Biblical Connection

- What spiritual lesson did you learn from this project? Does it connect with any Bible principles, stories, characters, or lessons? How does this spiritual lesson apply to your life?

**Requirements: Tri-Fold Board**

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



**Example**

**Requirements: Verbal Presentation**

- Introduce each person in your team (first name & grade)
- Describe your invention process (refer to your Logbook and the list from the previous page)
- Demonstrate your invention (see Demonstration section below)
- All group members must take turns speaking during the presentation (at least one section per person)
- Speak loudly and clearly so your audience can hear and understand you
- Maintain good eye contact and avoid fidgeting
- You are welcome to point at drawings/pictures on the tri-fold board while you talk but you should not just read from the board.
- Briefly describe the biblical connection you made with 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 presenting it to avoid any unforeseen challenges.
- If the prototype is not functional or only partially functional, demonstrate what you can and talk about what the final design is intended to do.
- If you cannot demonstrate your prototype live during the presentation (i.e. too big etc.), then record a demo video to show during the presentation (on a laptop or tablet).