Name: _____

Innovation Day 2019-2020

Item	Due Date	Check off when complete	Teacher Initials
Topic Choice	Tuesday, January 28		
Research/Learn Sharing & Documentation	Tuesday, February 11		
Make and Design Sharing & Documentation	Friday, February 28		
Board creation and presentation practice	Tuesday, March 3		
Presentation to class	Wednesday, March 4		
Innovation Day	Thursday, March 5		

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Research/Learn Sharing and Documentation

This is the part of your project where you collect background information about your topic. What is the history of it? What do we currently know about it? What are some challenges in this area that made you think about a possible solution?

As you collect your data, remember to keep track of WHERE YOU FOUND the information, as you will need to include this on your presentation board. Also remember that there needs to be some type of connection to Science. This is the part of your project that you can research. If you are solving a problem, find some information about that problem to show that you know it really exists.

For example:
If you are building a bionic body part, creating a useful solution for someone with a physical challenge, or learning about a specific disease, what information can you learn about how that body part normally works? Why might someone need a bionic body part? How is your invention going to improve someone's life?

If you are learning how to build something, like a rocket, solar panel, video game, green screen, survival pack or elevator, what is the technology behind these things? How do they work? How are they helpful to the world? What other scientific topic are you learning about that you can share information about? (remember our grade 5 science units: Matter, Human Body, Forces on Structures, Energy Conservation, Weather)

If you are conducting more of an experiment, you'll need to follow the scientific method. You'll need to summarize your question, research, hypothesis, experiment, observations, analysis, and conclusion. This video is helpful in explaining this further. Don't forget to take pictures or videos of your experiment to use as evidence for your observations!

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The Presentation Board

- ❏ Title (could be your main question)
- ❏ Purpose - What were you interested in learning about?
- ❏ STEAM Connections. Write all the ways your project is connected to Science, Technology, Engineering, Art and Math.
- ❏ Research - Organized summary (perhaps a few paragraphs) about the information you collected.
- ❏ Bibliography - Properly cited list of all the resources you used.
- ❏ * Hypothesis - *Only if you did an experiment*. What do you think is going to happen?
- ❏ Procedure - What steps did you follow to do your experiment or make your product? You can include pictures of your process.
- ❏ * Observations - *Only if you did an experiment*. What actually happened when you ran your tests? You can include pictures or link to videos
- ❏ Analysis and Conclusions - What have you learned throughout the process of working on this project? How can you relate what you have done to the real world?

YOU MAY INCLUDE ANY OTHER INFORMATION YOU FEEL WOULD ENHANCE YOUR PROJECT ON YOUR BOARD.