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| --- | --- | --- | --- |
|  |  | **Personal Innovations** |  |

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| --- |
| **Your Tasks (Mark these off as you go)** |
| * Share something you are good at * Group up and share out * Brainstorm technological innovations * Have Ms. Pluska check off Brainstrom technological innovations * Nominate an idea * Have Ms. Pluska check off Nominate an idea * Rapid prototype your idea * Receive credit for the group portion of this lab |

* **Share something you are good at**

Consider the following prompt:

"What’s something that you know a lot about, somthing you are good at, or something that you could teach somebody?"

* This doesn’t have to be a subject in school. It can be anything... movies, running, juggling, guitar, drawing, or video games for example.
* As a person, as an individual who is living and breathing in this world, there is something that you probably know a lot about - maybe you feel like you know more about than most people. What is that thing?
* Write your name on the back of a sticky note
* On the front of the sticky note, write “your thing”
* Stick the sticky note to the white board
* Have each person in the group indicate their and their thing below.

|  |  |
| --- | --- |
| **Name** | **Thing** |
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|  |  |
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* **Group up and share out**

You have been assigned to a group that represents a diverse set of interests. Within your group,

* Introduce yourself
* Explain the thing you know a lot about
* Teach your group something about it, or tell the group something interesting about it
* Have each person in the group indicate their name and their thing below.

|  |  |
| --- | --- |
| **Name** | **Thing** |
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* **Brainstorm technological innovations**

People seem to say that technology is all around us, that it affects everything we do. Is that true? Technological innovation is about recognizing a problem that needs to be solved, or recognizing something needs improving and then building a tool to solve it.

Go around the group, and for each individual's area of interest:

* Identify some way that technology is used with, or affects that thing
* Make a suggestion for either:
  + a way that technology might be improved to make it better, faster, easier to use
  + a creative or innovative new technology might help solve some problem within that area, or at least make better?

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| --- | --- | --- |
| **Thing** | **How is technology used with or affects the thing** | **How might technology be used to improve or solve a problem with the thing** |
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* **Have Ms. Pluska check off brainstorm technological innovations**



Before you continue have Ms. Pluska check off brainstrom technological innovations

Do not continue until you have Ms. Pluska’s (or her designated TA’s) signature \_\_\_\_\_\_\_\_\_\_\_\_

* **Nominate an idea**

As a group you have just brainstormed about technology ideas. Now, come together and get excited about one of them.

As a group, nominate the idea you’ve discussed that you think would be the most interesting to everyone else in the class. Complete the questions below.

|  |  |
| --- | --- |
| **Innovation:** | |
| **What does the innovation enable you to do?** |  |
| **What is the task you want to improve?** |  |
| **How do people currently do the task that you are wanting to improve?** |  |
| **What is a problem or issue with the way this task is done and how does your innovation solve or make it better?** |  |
| **What new problems are created by your innovation?** |  |

* **Have Ms. Pluska check off Nominate an idea**



Before you continue have Ms. Pluska check off Nominate an idea

Do not continue until you have Ms. Pluska’s (or her designated TA’s) signature \_\_\_\_\_\_\_\_\_\_\_\_

* **Prototype your idea**

Start to sketch out that idea in. Make a visual representation of your idea. As you create your visual representation, keep in mind the following,

* The name of your innovation
* How your visual representation conveys your idea
* What is the most important thing your innovation enables you to do?
* How do people currently perform the identified task?
* What is a problem or issue with the way this task is done and how does your innovation solve or make it better?
* What new problems are created by your innovation?

Feel free to jot down ideas or sketches in the space below:

|  |
| --- |
| **Brainstorming and notes** |
|  |

* **Receive Credit for the group portion of this lab**

Make sure indicate the names of all group members, then submit this lab to the needs to be graded folder to receive credit for the group portion of this lab.