

Name(s) Waruna Saowapark Period Date 24 Sep 22

Activity Guide - Personal Innovations



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.

As a class we're going to see how innovative we can be, and we'll share our ideas through something called "rapid prototyping." (*Prototype is a fancy word that means a preliminary sketch of an idea or model for something new. It's the original drawing from which something real might be built or created.*)

First: Looking at the list of 4 interests at your table, let's **think about how technology is impacted by, or related to, those interests.**

How could **technology** improve your interest to make it **better, faster, or easier** to use?

What is a **problem**, or aspect of your interest, that a **creative or innovative technology** might **help solve**, or at least make better?

Interest	Improvements	Problems
Education	Create a portable device that can be used to specially to read books, documents, and other media without the requirement for an internet connection.	There are several places where books cannot be assessed, regardless of interest. Therefore, we must invent something to replace e-books, which some places can use without internet.
Medicine	Create a program that connects with a robot and instructions on the exact amount and duration of treatment for a certain condition.	Patient was given an inaccurate type of medication, which slowed the patient's recovery.
Transportation	To reduce contamination with other people, create a vehicle that uses green energy and has a small room for one person. (Using a program that determines the quickest way to meet our destination)	The number of transfers required in modern transportation could extend person journeys and raise the risk of getting diseases from crowded transportation.
Communication	Creating a displaying device for a person's entire body to communicate with another user as they interact in real time via AR/VR.	Calls and video calls don't fully replace for in-person meetings.

Next: As a group, nominate the idea you've discussed that you think would be the *most interesting to everyone else* in the class.

Start to sketch it out on a poster. Make a visual representation of your ideas. Remember this is a rapid prototype, just something to quickly convey the idea. Feel free to jot down ideas or sketches in the space below:

