

ENGINEERING DESIGN BRAINSTORMING CHALLENGE

We know from our work with the Engineering Design Process that **brainstorming** plays a large role. It's hard to come up with cool new ideas if we don't take some time to generate LOTS of ideas. You can review the six steps of the engineering design process in the list at the right.

ENGINEERING DESIGN PROCESS

1. Define the Problem
2. Research & Brainstorm
3. Choose a Solution
4. Prototype!
5. Test & Evaluate
6. Communicate

In this short assignment you'll be asked to brainstorm 10 ideas for each of 4 different problems or concepts. Record your ideas and submit them to Mr. Benshoof using one of the methods below!

WHAT TO DO:

(Invite your brothers or sisters to help if they want something to do!)

<i>Brainstorm 10 things you can do to help out your family at home this week</i>	<i>Brainstorm 10 new ways that could be developed for people to do their grocery shopping while maintaining "social distance" of 6ft or more</i>
<i>Brainstorm 10 activities/attractions (like movie theaters or ice rinks) that Fairbanks does NOT have but SHOULD have!</i>	<i>Brainstorm 10 cool things you could build at home as part of our Remote Learning Engineering class</i>

SUBMIT YOUR IDEAS:

To share your ideas with Mr. Benshoof you have a few choices – any of these are fine!

1. Print this page at home, write your ideas on the page, and turn the page into Lathrop High School sometime in the next week. They'll deliver it to Mr. Benshoof
2. Print this page at home, write your ideas on the page, take a picture of it and then e-mail the picture to Mr. Benshoof at (christopher.benshoof@k12northstar.org) or share it through Google Drive to that same e-mail address!
3. Enter your ideas into the Class Google Spreadsheet (<http://bit.ly/LHSEngineeringBrainstormChallenge>) so that everyone can see them! No printed copy necessary at all!