

Beakerhead

WELCOME TO THE INGENUITY CHALLENGE

For decades, we have been directing young people into either technical or creative streams yet it is precisely at their intersection where ingenuity lives.

Enter Beakerhead: a movement that encourages the fusion of 'things technical' with 'things creative' through an unconventional mash up of science, art and engineering.

Beakerhead presents you with a unique challenge designed to encourage students to think of sticky ideas and collaborate with their peers.

THE 2018 CHALLENGE!

The 2018 challenge is all about infinite possibilities in the future.

You have four weeks to produce one classroom project that addresses this theme:

"The year 3018"

Yes, we will have robots and flying cars, but what will your classroom look like? What will travel look like? What will food production look like? What will the "world" look like?

1) GETTING STARTED

A great idea never comes from someone in a bad mood. Get your students into a delightful state of mind to encourage ingenious creations.

- Pair students and have them sketch a solution to a silly problem: how to weigh a cloud, how to get out of a traffic jam, how to get ready while riding a bike. Have the students present their designs to each other in small groups.
- Impromptu dance party anyone? Play some upbeat music and see who has the silliest dance moves.
- Challenge your students to change the way they complete a task: get out workbook only using their elbows, go from their locker to their desks without touching the floor with their feet.

2) CONTEMPLATE

Look forward by looking back, waaaaay back.

Take a look at the world in 1918 compared to now and discuss how much life has changed. Now brainstorm about where the next 1000 years will take us!

3) KEEP IN MIND

Material matters. Tape should be the main material used, but feel free to add other materials into your design. Experiment with colour, light and shapes!

Break boundaries and work together. Beakerhead is all about collaboration. The best idea grows when everyone pitches in. Create one collaborative project to submit into the challenge. Having trouble getting started? Create positions such as project manager, architects, and journalists.

Take risks. Tape can be folded, made into a city, built into machines and even worn. Need more inspiration? Visit www.tapigami.com

Dream big. Creativity is all about imagination, curiosity and seeing the everyday world in new ways.

Worried about the future? #findthesolution

4) DOCUMENT YOUR EXPERIENCE

Take photos, videos and collect anecdotes to share with your submission.

5) HOW TO SUBMIT

Deadline December 14, 2018

Upload one photograph or video of your completed project with a 250 word write-up telling Beakerhead how your class collaborated to successfully meet the challenge of combining art, science and engineering to address the theme, "The year 3018".

Submissions are due by 5:00 pm on December 14 at bit.ly/Beakerhead2018ingenuity

Submissions will be posted on beakerhead.com and awards will be given to the most ingenious creations in two categories: Grades K-6 and Grades 7-12.

Questions? Contact Carolyn Wallington
Education Program Manager
schools@beakerhead.com

THIS PROGRAM BROUGHT TO YOU BY



WE ARE GRATEFUL TO



FOR THE SUPPORT OF THE
BEAKERHEAD EDUCATION PROGRAM