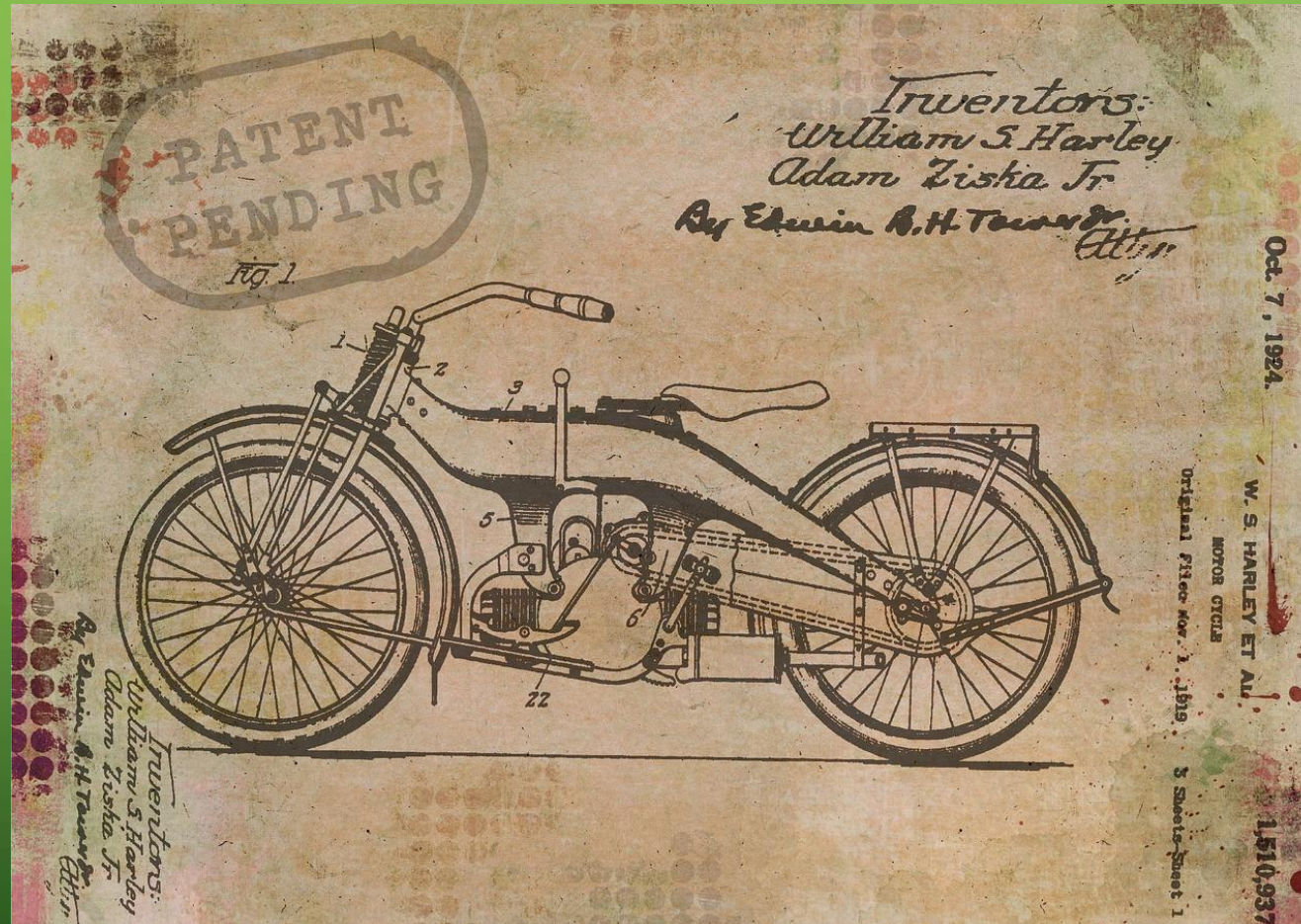


A decorative graphic on the left side of the slide consists of a network of thin, light green lines. These lines form a complex, branching pattern that resembles a circuit board or a stylized tree. Small circles are placed at various points where the lines intersect or terminate, adding to the technical or organic feel of the design.

# WHAT WILL YOU CREATE?

2018 GRADE 9 DESIGN CHALLENGE FOR ENGLISH, MATH, AND SOCIALS

# WHAT IS A DESIGN CHALLENGE?



# WHY ARE WE DOING THIS?

- One project gets you credit in three courses – bonus!
- It encourages empathy, creativity, and critical thinking
- You get to work with friends and create something never done before that could potentially better the lives of thousands of people
- You might make some \$\$\$\$ (at the very least you will have achieved something worthwhile if you take it seriously)



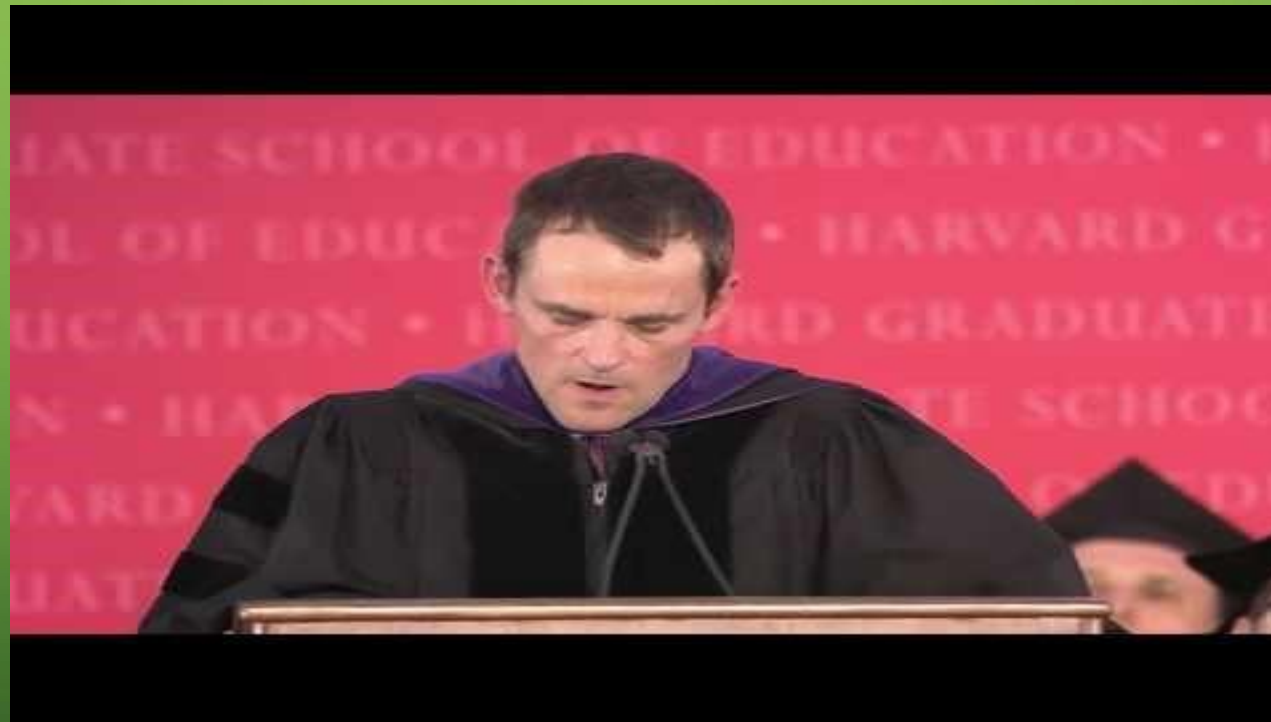
# GO BIG OR GO HOME, OR START SMALL...

- (1824) Louis Braille invented the braille system at age 15
- (1926) Joseph-Armand Bombardier invented the snowmobile at age 19
- (2012) Alyssa Chavez in eighth grade invented a phone app for a child car seat that alerts parents if they left their child in the car
- Recently, fog harvesting, putting large nets up to catch moisture in the air and have it drip down for irrigation of crops is happening in rural Peru

# CHOOSE A TOPIC THAT RESONATES...

- Refugees and immigrants – what could improve life for refugees?
- Innovation and sustainability – how can we make happiness sustainable?
- Identity and inclusion – what makes people feel welcome and included?
- Social change and positive action – how do you encourage people to act?

# 5 ESSENTIAL QUESTIONS PLUS A BONUS





<https://www.youtube.com/watch?v=bW0NguMG1bE>



# QUESTIONS TO ASK YOURSELF

(VIDEO – DEAN JAMES RYAN 2016)

- Wait, what?
  - I wonder...
  - Couldn't we at least...?
  - How can I help?
  - What really matters?
- 
- 

# 3 PARTS FOR 3 WEEK CHALLENGE

- Investigation and research – looking into historical events that are relevant to your topic and filling in two worksheets
- Designing and creating a prototype for your idea
- Presenting your prototype publicly – going beyond marks



# GALLERY WALK AND SIGN UP

- Walk around to each of the four stations and read the one page write up/directions
- Think about what interests you and then choose one to sign up for
- Optional: give the name of ONE person you would like to work with – no guarantees, but it will be considered in the group assignments.
- Go online and read the article assigned to your choice