SWE High School 2020 Challenge:

Hello High Schoolers! In light of the COVID-19 situation, unfortunately we were not able to host our typical outreach events. Therefore, we decided to create a few challenges for you to do at home and win some gift cards! The activities that we have compiled include building a DaVinci bridge out of pencils and rubber bands, telling us about a fun scientific fact you learned, or completing a MIT themed crossword puzzle. Each completed challenge submission is awarded one ticket that goes into the raffle (you can have up to three tickets if you do all the challenges). For the DaVinci Bridge and Crossword Puzzle submissions, we also require a photo release form so we can share the photos with the SWE community! The challenge submission forms will close on **May 15th** and winners will receive **$20 Amazon gift cards** by May 20th. We hope you have fun doing these activities! If you have any questions feel free to email swe-hs-oncampus@mit.edu.

Descriptions of the challenges:
DaVinci Bridge:
- Overview:
    - Build a DaVinci bridge with pencils and rubberbands then take a picture with you and the maximum weight you can add onto your completed bridge.
- Materials:
    - 12 Pencils
    - 32 Rubber Bands
    - Small objects to act as weights
- Submission:
    - Fill out this Google form with your name, email, photo of yourself and your bridge, and photo release form
    - Photo Release form

MIT Crossword Puzzle:
- Overview:
    - Download and complete the puzzle with facts about MIT
- Submission:
    - Fill out this Google from with your name, email, and a picture of yourself and your completed crossword puzzle
    - Photo Release form

Fun scientific fact:
- Overview:
    - Recall or research a fun scientific fact and include the following:
        - A 2-3 sentence description of the fact/phenomenon and why you think it's exciting
        - A description on how you learned about the fact

- Include one resource (YouTube video link, website, article link etc.) where others can learn more about it

Submission:
- Fill out this [Google form](#) with your name, email, and answer questions about your fun fact