

SET Challenges

COVID-19 Thank a Hero Challenge:

While looking at ideas and seeing the helpers and heroes during this time I was reminded by a simpler time in which I spent stretches at camp with my grandparents. Being of the “Greater Generation” my grandmother always had a drawer of things with scrapes of aluminum foil, string and an as sundry of things. I also had and still do have family members who are truckers and this was a way of transportation we would often use by getting a ride from my Uncle from CT/RI up to Maine in his truck. During the long days of camp one summer I built models of the tractor trailer truck and pickups using milk cartons for cabs and trailers, plastic caps for wheels and even small twigs to make windshield wipers that inspired this challenge.

1. Make your own model of a truck and send a picture to ma4hset@gmail.com and also save for the fair.
2. Make a poster or yard display to show your thanks to the truckers, nurses and other heroes and take a picture.
3. Community Service – how have you been activated to service.
 - a. Fostering a animal from the shelter
 - b. Grab and go food for truckers/first responders
 - c. Adopting an elderly or compromised neighbor to check in on them
 - d. Cards for shut ins like nursing homes
 - e. Craft/activity kids to help parents with kids at home
 - f. Many more ideas I’m sure you are doing.....

Engineering Challenge #1: Game ON

- Design a Rube Goldberg machine that will raise a 4-H flag (https://en.wikipedia.org/wiki/Rube_Goldberg_machine - video of 4-H flag <https://www.youtube.com/watch?v=V8VFTKZHirk> example of some Rube Golberg elements https://www.youtube.com/watch?v=WiHn5_RfKjE & <https://www.youtube.com/watch?v=cv5WLLYo-fk>)
 - Keep a journal to sketch your ideas and record your results
 - Explore what you have around you already to use
 - Record your machine and send us a video
- Make a cardboard game: (Example below) Visit or [ma4hset facebook page](https://www.facebook.com/ma4hset) for some ideas (Cane’s cardboard arcade can also provide you with some inspiration.. <http://cainesarcade.com/>)
 - Pinball machine use the cover off a paper box and things you have around the house
 - Plinko game
 - Claw machine
- Computer Science -Create a game using Scratch and/or makey makey and other means
 - Collect the clovers
 - Activity around your favorite 4-H project
 - Virtual Meeting showcase Roberts Rules....

Engineering Challenge #2: Take a SEAT by creating a chair out of only newspaper/magazines and masking tape. <https://stemactivitiesforkids.com/2017/06/19/3-amazing-newspaper-stem-challenges/>



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