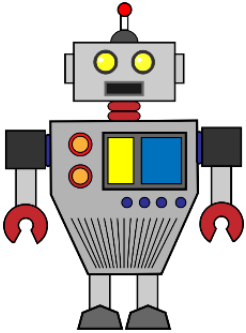


# 2020 Society of American Military Engineers Tampa Bay Post MACDILL AFB YOUTH CENTER ROBOT CONTEST



**Who?** Middle School students from the MacDill Youth Center

**Where?** MacDill Air Force Base Youth Center, Afterschool Program

**When?** **December 7<sup>th</sup> – December 11<sup>th</sup>, 2020, Afterschool, 3:00 – 6:00 PM**

**What?** **Monday** – Tye Dye SAME Tampa Post Centennial T-Shirts,

**Tuesday** - Each participant will be given the “Educational 1-in-1 Kit Solar Robot”, you will choose which robot you would like to build, or you may design your own from the kit. This robot kit is yours to keep, just by entering the competition.

**Tuesday – Thursday** – Build robot and prepare for robot skills

**Friday** – Each participant completes a 3-minute presentation, followed by the award ceremony!

**Why?** The top winners will be given the opportunity to present their innovative robot and perform their skills at the next SAME Virtual Meeting. **Three winners will be eligible to win a \$50 Amazon Gift Card.**

**How?** Three-minute video presentation with your robot:

- Introduce yourself and your robot.
- Introduce your robot skills (using only the items listed below).
- Explain why the skills of your robot, and robots in general, are important to America's future.

**For the robot skill the following items may be used:** string, pipe cleaners, tape, craft sticks, rubber bands, felt, cardboard, and cardboard tubes, straws, duct tape, toothpicks, paper clips, plastic cups, rocks.

## Point System:

Build a robot from the kit	20 points
Address the three presentation topics	20 points
Robot performs a skill	10 points
Robot performs a second skill	10 points
Uses listed items for the skill test	20 points
Presentation within time limit	10 points
Wear the SAME Centennial T-shirt	<u>10 points</u>
	<b>100 points total</b>



**We expect the student to do the actual building of the robot. Adults and other team members should help by teaching and guiding the student.**  
**LIMITED TO THE FIRST 20 STUDENTS**