



Uniting "Wee" Communities Across Ontario

TOGETHER WEE CAN "STEP INTO STEM" 2020

Wee Watch's unique program, "Together Wee Can," provides a wonderful opportunity to bring all of our homes across Ontario together to participate in themed activities and events on specific days, weeks and months throughout the year. Planning a few events each year strengthens the Wee Watch community we are all part of as well as the community we live in.

This year's Together Wee Can program is called "Step Into STEM." What is STEM? It stands for Science, Technology, Engineering and Math.

This month we begin exploring the wonderful world of Engineering. Engineering is a way of 'doing' – it is about solving problems using a variety of materials and designing and building things that work. There are many types of Engineering and in our Step into STEM program we will be exploring three types:

- Civil Engineering: Design of structures for transportation like roads or bridges and building
- Mechanical Engineering: How machines operate, and studies force and motion
- Aerospace Engineering: The design and building of machines that fly

July - Civil Engineering - Wee Builders

During the month of July we will dive into the world of civil engineering, which is the field that focuses on the planning, designing and construction of buildings. We will get the wheels turning by asking the children what they would like to build this month and work together to create a plan and build it. We will also be completing a variety of other building projects; walls, towns, bridges etc. While we are building, we will ask open ended questions to help expand their creativity and imagination; How tall can we make it?, What can you do to make it stronger?, How do you think that works?.

August - Mechanical Engineering

Throughout the month of August our focus on Engineering switches gears to mechanical engineering. Mechanical engineering explores how things are made, how machines operate and other elements of forces and motion. Some of the projects our wee engineers will be working on this month are a bubble blowing machine, conveyer belt, boats that float, and catapults.

