



YTN in support of **Alternatives Inc and their 21st Century Community Learning Center program**, provided a virtual STEM enrichment program that introduced participants to the engineering design process (EDP). Participants learned that the EDP is a common series of steps that engineers use in creating functional products and processes. Participants then applied their knowledge of the EDP to create and test prototype bridge, boat, and tower using Legos, marshmallows, straws, tape, popsicle sticks, and cardboard. Participants learned it is common for engineers to define the problem and brainstorm ideas before creating a prototype test that is then modified and improved until the solution meets the need. Most participants were able to redesign their bridge, tower, and boat to work as a required. All participants learned that *FAIL* stands for *First Attempt In Learning*!

