Over three hour-long sessions this fall with Technovation, you’ll become an expert in leading engineering design challenges - **online**. Get ready for hands-on building during each session. You’ll be part of a supportive learning community in these sessions. If you are looking for a way to step up your STEAM game in a fun and active way with your kids, this is for you. Help them think like engineers to build solutions to any sort of problem!

**BRING HANDS-ON STEAM TO YOUR STUDENTS [VIRTUALY]***

Geared to staff working with kids in 4th–8th grades. Priority given to those who can attend all 3 sessions.

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**Session #1** - October 29 at 12:00PT/3:00ET


- You'll start (or continue!) to get comfortable supporting your kids learning STEAM online
- You'll learn about engineering design challenges
- You'll get comfortable navigating Technovation’s free resources
- All while attempting to balance a dinosaur in a fun engineering design challenge you can try out then use with your students.

Bring these **materials** to the session with you:
- cardboard
- pipe cleaners
- paper clips
- Tape (masking tape is usually best)
- pennies or small weights
- straws
- popsicle sticks
- Scissors
  Optional:
  - toilet paper tubes
  - ping pong balls

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**Session #2** - November 19 at 12:00PT/3:00ET


- You’ll reflect on your first attempts at leading design challenges online and come away with confidence and fresh perspectives to continue
- You’ll get familiar with the Engineering Design Process and iterating
- You’ll consider ways to build community throughout
- All while building a self-deploying device in a design challenge you can use with your students.

Bring these **materials** to the session with you:
- tape
- scissors
- small container or small boxes
- long rubber bands
- cardboard
dowels or skewers
- hole puncher (or knife)

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**Session #3** - December 10 at 12:00PT/3:00ET


- You’ll make a plan to help your students deal with hard parts like persisting through failure and encouraging creativity
- You’ll reflect and revisit tools introduced earlier to look at them differently
- All while making a water collection system in a design challenge you can use with your students.

Bring these **materials** to the session with you:
- skewers
tape
scissors
cardboard or foamcore
cups
straws
foil
Cups (with holes punched in bottom) + water for testing