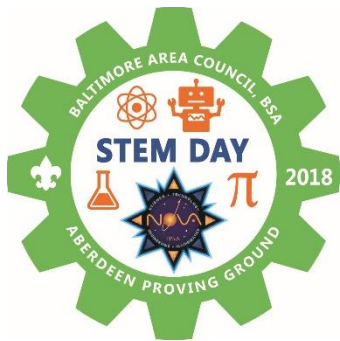


2019
9th Annual STEM in Scouting Day

Tech Talk
(Tracks 6 - 8)



September 28, 2019

OVERVIEW

This document is for those Scouts registered for the Tech Talk Nova (Tracks 6 - 8). The Tech Talk Nova focuses on Technology and how it affects our lives each day.

The program will consist of three rank dependent Adventures in the morning and an afternoon activity for all Scouts. The Nova Program and some of the adventures may have prerequisites (**HOMEWORK**), so please read this document carefully. Counselors will go over prerequisites at the event, so please make sure your Scout completes them.

Tech Talk		
Wolf	Track 6	Motor Away
Bear	Track 7	Make It Move
Webelos	Track 8	Build It

Tech Talk Prerequisites

Please have your Scout complete the following requirements prior to the event.

Choose A or B or C:

- A. Watch an episode or episodes (about one-hour total) of a show about anything related to technology. Make a list of at least two questions or ideas from what you have read.
Some examples include—but are not limited to—shows found on PBS ("NOVA"), Discovery Channel, Science Channel, National Geographic Channel, TED Talks (online videos), and the History Channel. You may choose to watch a live performance or movie at a planetarium or science museum instead of watching a media production. You may watch online productions under a parent's supervision.

- B. Read (about one-hour total) about anything related to technology. Make a list of at least two questions or ideas from what you have read.
Books on many topics may be found at your local library. Examples of magazines include but are not limited to Odyssey, KIDS DISCOVER, National Geographic Kids, Highlights, and OWL or owlkids.com.

- C. Do a combination of reading and watching (about one-hour total) about anything related to technology. Make a list of at least two questions or ideas from what you read and watched.

Motor Away (Wolves)

There are no special instructions for this adventure. Enjoy!

Make It Move (Bears)

Research who Rube Goldberg was and what he did.

Search for "Rube Goldberg Machines" on You Tube or watch these:

- Honda Car Parts Chain Reaction: <https://www.youtube.com/watch?v=Z57kGB-ml54>
- Lighting a Christmas Tree: <https://www.youtube.com/watch?v=RBOqfLVCDv8>
- Huge Lego Ball Contraption: <https://www.youtube.com/watch?v=jxMMtlxDrGk>

Items to bring: Scouts may want to bring one or two special items from home to incorporate into their Rube Goldberg machine – such as a hot wheels car or short track, baseball or any small ball, fidget spinner, or anything that moves, rolls, or spins. Keep the item small as we may have limited space. Mark items with the scout's name.

Please bring in **paper towel tubes!** They are very handy for the marble run / Rube Goldberg machines. Drop them off at the elective site before opening ceremonies or bring them afterwards."

Build It (Webelos)

There are no special instructions for this adventure. Enjoy!

Items to bring: Safety goggles (if you have them), tools you might use for a small building project. Make sure they are labeled with your name.