

Virtual 4-H Camp Supply List

Biomedical Engineering

Please print out the following handouts and locate the supplies listed below in preparation for Virtual 4-H Camp.

Laparoscopic Surgery

Laparoscopic Simulator

- Cardboard/Shoe Box
- Foam Sheets/Sponges (4, pre-cut, 3 inch by 3 inch)
- Scissors
- Glue, Strong Adhesive
- Stopwatch/Timer
- Video Device Endoscope that fit phone or device you have

Endoscope Supplies

- [Endoscope](#)
- Laptop
- OR two phones (two iPhones can use FaceTime, two Android phones can use Google Duo)

Manipulative Tasks

- Chopsticks/Skewers/Dowel Rods Package
- Duct Tape/Masking Tape
- Plastic Knives, Forks, Spoons
- Plastic Tweezers
- Markers (3)
- Pony Beads
- Empty Water Bottles (4)
- Twizzlers (only one is needed)
- Markers (3)
- Handout: [Biomedical Color Page](#)

Prosthetics and Pills

Prosthetics

- Shoe
- Blank Sheet of Paper
- Writing Utensil
- Tube/Foil Roll (2)
- Duct Tape
- Carwash Sponge or Small Pillow

- Scissors
- String or Ribbon
- Supply of your choice found in the home

NanoTech in the Body

Blood Vessel Creation

- Blood Vessel Creation
- Posterboard (6-7 inches wide, 2 feet long)
- Half Tube (desired 4 inch diameter, 2 feet long) – cornmeal, pringle, oatmeal canisters can be used (4 total)
- Old Knitted Sweater, Scarf, and/or Blanket (4 inches wide, 2 feet long)
- Scissors
- Yardstick or Ruler
- Pencil
- Tape

Challenge

- Popped Popcorn (up to 3 pieces)
- Tape
- Paper Clips (5-10)
- Rubber Bands (3)
- Aluminum Foil (2-3 sheets)
- Cling Wrap/Saran Wrap (2-3 sheets)
- Pipe Cleaners (5-6)
- Cotton Pads/Balls (5)
- String (2-3 feet)
- Scissors

Career Day

TinkerCad Tutorial

- Create a [TinkerCad Account](#)
- Handout: [Skeleton Activity Sheet](#)
- Handout: [CT Scan Machine Activity Sheet](#)