

Nanobot Challenge

Material List

Activity 1: Virtual Exhibit: Welcome to the Era of Nanomedicine

Computer

Link: [Welcome to the Era of Nanomedicine - Bing video](#)

Activity 2: Wigglebot

Handout: Craze Maze Puzzle

(5) kits: one for each team

Disposable cup

Electrical tape

3 Markers

[2 “AAA” battery holder](#)

2 “AAA” batteries

[1.5-3 V DC Motor](#)

Clothespin

Popsicle stick

Permanent Marker for eyes

Activity 3: Wobblebot

Handout: Wobblebot Crossword Puzzle

Handout: Scramble Words

(5) kits: one for each team

Cardboard

2 batteries

[Battery Holder](#) (see non-pack option at end)

[DC Motor 1.5-3V](#)

5 corks (or other materials for legs)

2 googly eyes

Hot Glue Gun

Scissors

Activity 4: Bristlebot, Brushbot

Handout: Brain Teaser

Bristlebot:

(5) kits: one for each team

Coin cell battery (2)

Vibration motor (2)

Toothbrush heads (1), cut off end
Double-sided foam tape
Scissors

Brushbot:

(5) kits: one for each team
AA batteries (2)
2xAA battery holder
3 volt DC motor
Scrub brush
Double-sided foam tape
Tape (any kind will work)
Cork
Small Phillips-head screwdriver
Scissors

Activity 5: Nanobot Challenge

(5) Sheets of paper
Masking or colored tape- enough to make a 3' circle
Stopwatch-you can use your phone