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