1. Hanging Banner
2. Pop-Up Banner
3. Table Display
4. Tablecloth
1. Foundational Fluencies STEM Lab  
   Display instructions can be found on Pg. 5

2. STEM Pathways Lab  
   Display instructions can be found on Pg. 5

3. Pre-K - 1st Grade STEM Program Brochure  
   High level overview of Pre-K - 1st Grade Program

4. Example Build - Make Your Castle Move  
   Build instructions & info can be found on Pg. 6

5. Pre-K - 1st Grade Instructional Booklets  
   Instructors Guide & Building Plans Booklet

6. 2nd - 5th Grade STEM Program Brochure  
   High level overview of 2nd - 5th Grade Program

7. Example Build - Ball Maze  
   Build instructions & info can be found on Pg. 7

8. 2nd - 5th Grade Sample Curriculum Packet  
   Includes sample lesson from each unit

9. 6th - 8th Grade STEM Program Brochure  
   High level overview of 6th - 8th Grade Program

10. Example Build - Gear Train  
    Build instructions & info can be found on Pg. 8

11. 6th - 8th Grade Sample Curriculum Packet  
    Includes sample lesson from each unit

12. Postcard Handout  
    High level overview of Kid Spark programs

Note: All materials on the display table, with the exception of the Postcard Handout, are not intended to be takeaway items.
Option 1: Pelican Case

1. Example Build - Make Your Castle Move
   Build instructions & info can be found on Pg. 6

2. Example Build - Gear Train
   Build instructions & info can be found on Pg. 7

Option 2: SKB Case

3. Storage Container
   Holds extra batteries, philips screwdriver, etc...

4. Example Build - Ball Maze
   Build instructions & info can be found on Pg. 8
Repurposed Dewalt Deep-Box Container
Used to store table display fixtures for new STEM Labs and two (2) 8.5 x 11 plastic display holders.

Repurposed Dewalt Deep-Drawer Container
Used to store Program Brochures, Sample Curriculum Packets, and one (1) 8.5 x 11 plastic display holders.

Repurposed Dewalt Deep-Drawer Container
Used to store Postcard Handouts and one (1) 6 x 9 plastic display holder.
Foundational Fluencies STEM Lab
Display Fixture

Note: Grooves on Lab should fit snug around the 30° Angle Blocks as shown.

STEM Pathways Lab
Display Fixture
Description
This build demonstrates how very young students can learn basic engineering concepts such as how to make things move. In this example, students can learn how to use different articulating components (hinge blocks, axle blocks) to create a castle door that opens and closes, and a mechanism that can be used to secure the castle door.
Instructions:

1. Use Spark:bit with Green dot.
2. Make sure the Spark:bit has 3 AA Batteries.
3. Top motor on maze will be connected to Output 1, and bottom motor will be connected to Output 2.
4. Make sure to turn Spark:bit on.
5. Press the A button to activate the maze.

Description

This build is used in the Robotics & Coding 101 Unit of Instruction. Students assemble the maze and then learn how to create functions within MakeCode (the program that is used to program the Spark:bit) to make a ball travel back and forth through the maze. This lesson is also supported by an interactive MakeCode tutorial (KidSparkEducation.org/robotics > Robotics & Coding 101 > Functions).
Description
This build is used in the Compound Machines Unit of Instruction. Students assemble the Gear Train and explore how it can be used to increase torque or speed. In this example, the motor is connected to the smaller gear which is driving the larger gear. This setup is used to increase torque. To increase speed, the motor would need to be connected to the large gear.

Instructions:
1. Use Spark:bit with Blue dot.
2. Make sure the Spark:bit has 3 AA Batteries.
3. Motor Module should be connected to Output 1 on the Spark:bit.
4. Make sure to turn Spark:bit on.
5. Turn Motor Override Mode on.
6. Press the A & B buttons to activate.