



# MAKER JOURNAL

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Project/Unit: A Glimpse into Cyber Security

Lesson: 6

*Conduct a brainstorm for the design problem below. Record all ideas in the space provided.*

**Ideate: Build a device that can safely transmit data using patterns and has multiple layers of encryption**

*Draw labeled pictures of your prototype. Be sure to draw different perspectives (front, side, etc.)*

**Prototype:**



# MAKER JOURNAL

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Conduct fair tests on your prototype and record your observations below. Use the checklist for each test.*

## Test – Criteria and Constraints

Attributes of model	Yes	No
Two or more layers of encryption?		
Includes simple program?		
Transmits data as binary code?		
Includes application of best practices for creating strong password?		
Built only with materials provided?		
Final iteration completed on time?		
Includes 8 or more different materials?		
Model 1 ft. wide or less?		

Describe changes made based on Test #1:

Describe changes made based on Test #2:

Describe changes made based on additional tests below (attach additional sheet as necessary)