

GUIDELINES FOR HELLO
WORLD !



PROTOTYPING
<HELLO WORLD>

Demonstrate the design thinking process during their project.



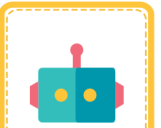
MULTI MEDIA
<HELLO WORLD>

Create an original video-audio montage.



WEARABLES
<HELLO WORLD>

Successfully sew a circuit with conductive thread.



ROBOTICS
<HELLO WORLD>

Code a robot to complete a specific assigned task.



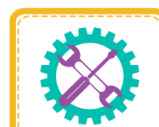
PROBLEM SOLVING
<HELLO WORLD>

Identifies a problem and designs an original solution with practical application,



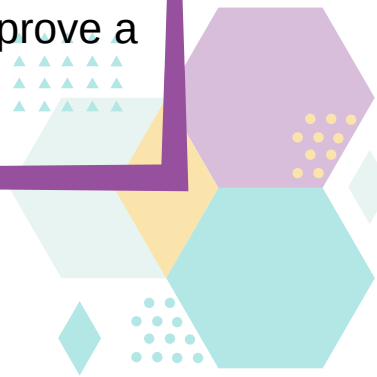
3D PRINTING
<HELLO WORLD>

Successfully print a design of your own creation.



ENGINEERING PROCESS
<HELLO WORLD>

Makes design changes to improve a project.





CODING
<HELLO WORLD>

Create a simple program using any coding language.



SCRATCH
<HELLO WORLD>

Create and share an animated story or game.



MICROCONTROLLER
<HELLO WORLD>

Code a microcontroller so that your project has an input and an output.



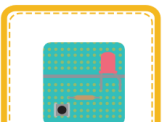
MAKEYMAKEY
<HELLO WORLD>

Use a Makey Makey's conductive elements and code to create an interactive experience.



CYBER SECURITY
<HELLO WORLD>

Explain how the internet works, best practices for internet safety, and the importance of encryption.



CIRCUITS
<HELLO WORLD>

Create a simple circuit that responds to user input.

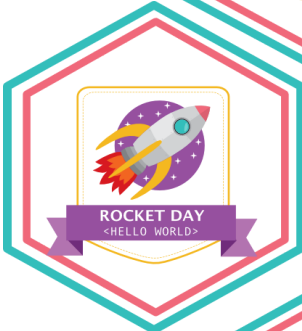


3D DESIGN
<HELLO WORLD>

Sucessfully design their own creation.



Use at least three tools appropriately and safely.



Participate in Rocket Day



Using a CNC router, successfully cut a design of your own creation.



Create a project that uses at least 2 different functions of the bBoard.

