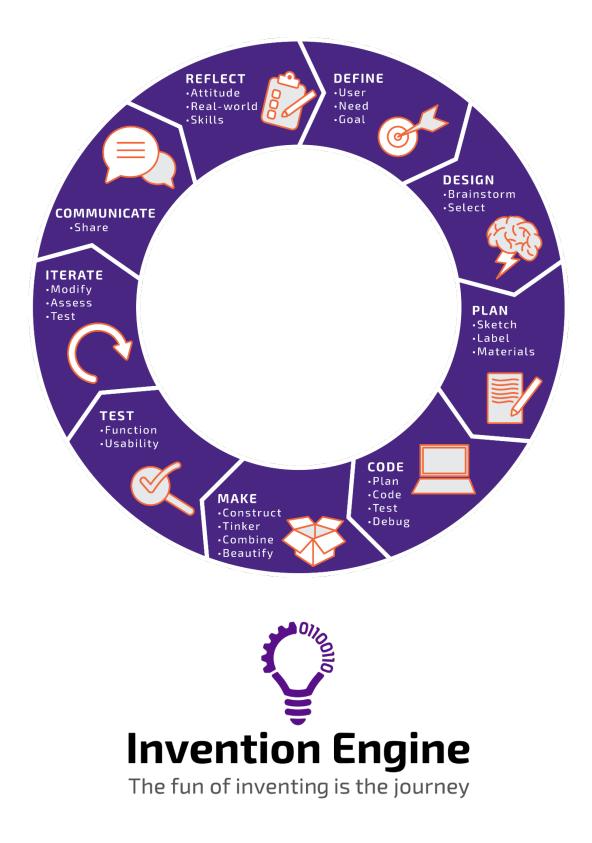
Name	Date
Project _	

Invention Journal



Document number: 3.2.3.10.1

Define

Define the problem you are trying to solve (user, need and goal)



Brainstorm and select one idea





Materials:



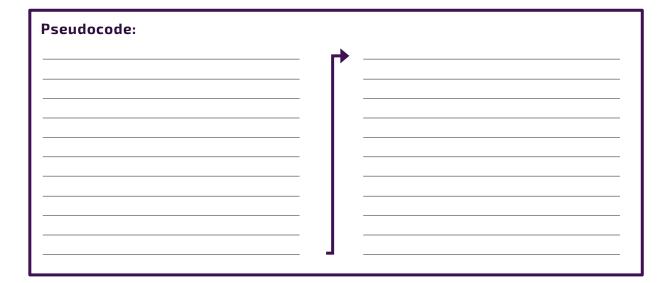
Code

Coding checklist

- Plan your program
- Write your pseudocode
- Use the bit map to plug in your bits
 Test your program
- Set up blocks
- o Start blocks

- Download your program
- Save your program

 - Debug your program



Port	Bit	Descriptive name
0		
1		
2		
3		
4		
5		
6		
7		

- Download, test, and debug your code.
- Save it on your computer.





Make checklist

Construct

- Choose your cardboard
- Draw on cardboard
- Measure twice, cut once

Combine

- Create a grid
- \circ $\,$ Use the bit guide $\,$

- Perforate the external bit shape
- \circ Perforate the rivet holes
- o Secure the bits
- o Fix and tinker
 - Beautify
- Make it awesome!



Functional testing

Test against the specifications and constrains for your invention

Plan and execution Test procedure	
Document test What happens in your test?	
Analyse test results What did/did not work? What could be improved?	

Usability testing

Test for user experience, ease of use

Plan and execution Test procedure	
Document test What happens in your test?	
Analyse test results What did/did not work? What could be improved?	





Variable:		
Design change:		
Modification:	Assess why:	
Keep or kick		

Draw, and label your iterated invention



Communicate

How does your invention work? Share your invention!



What are your first thoughts about the project? Are they mostly positive or negative? And why?

What was surprising about the experience? What new knowledge or skills did you gain?

What would you do differently if you approached the same problem again?

How does your invention help the user? How can your technology be improved?

