

1. Create a schematic for the prototype that is to be made

2. Sketch the prototype

3. Design the prototype in CAD

4. Print out the parts for the prototype

5. Assemble prototype according to the schematic and sketch

6. Integrate the Backyard Brains system

7. Conduct trial 1, record results, repeat 3 times

8. Conduct trial 2, record results, repeat 3 times

9. Conduct trial 3, record results, repeat 3 times

10. Test for all other specific aims

11. Repeat steps 1-10 until a desirable

12. Select the best prototype via the engineering design matrix

13. Continue to test the final prototype

14. Go back to design phase if needed