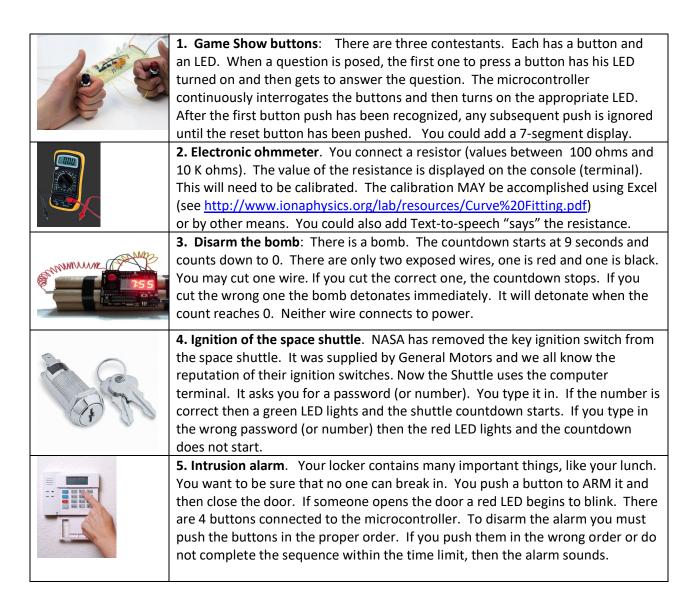
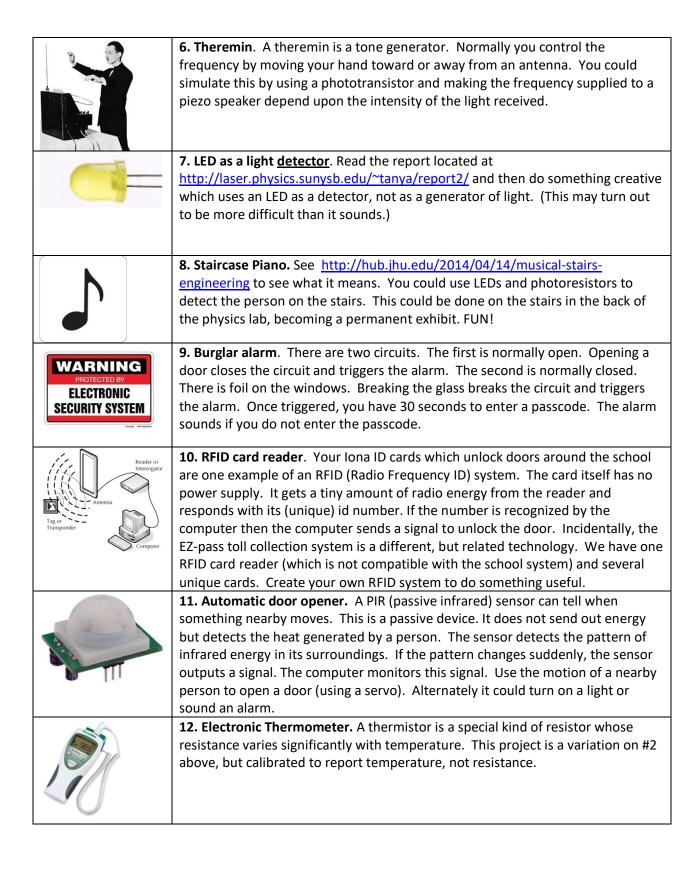
# Iona Prep Robotics: Extra Projects and extensions:

Most of the equipment we use in this course is purchased from a company named Parallax. That company has excellent educational resources. If you are interested in doing another project, visit the following links to get some ideas.

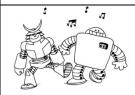
http://learn.parallax.com/contest/robot-competition-ideas http://learn.parallax.com/projects





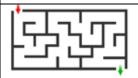


**13. Wild Card.** Use your own imagination/creativity. Build a device which does something interesting, useful, or fun. It must involve use of electronics and programming. If you are interested in science, you might want to make a measuring instrument which produces a record of its measurements. Consider an electronic device which produces music, or art, or something else.



### 14. Robot Dance Competition.

Could be done using either IR or radio remote technology. Look at <a href="http://learn.parallax.com/project/juke-bots-propeller-robots">http://learn.parallax.com/project/juke-bots-propeller-robots</a> to get an idea. Would involve more than 1 robot. More project ideas from Parallax are located here: <a href="http://learn.parallax.com/projects">http://learn.parallax.com/projects</a>



## 15. 2D-3D Maze Competition

See <a href="http://learn.parallax.com/contest/2d-3d-maze-competition">http://learn.parallax.com/contest/2d-3d-maze-competition</a>



## 16. Remote Control Rock, Talk, and Roll ActivityBot

This looks like a really fun project. It uses sound capabilities of the Activity Board which you have not used before.



#### 17. Remote search

Control the robot remotely using Radio Frequency signals (X Bee). You might use a joystick or keyboard to control the robot. Attach a video camera to the robot so you can see what the robot sees in the remote location.



**18. Taser.** Probably not a good idea. ;-)



19. Useless box See

https://www.youtube.com/watch?v=K6dO1QJtVd8
Or search Youtube for useless box. You will find a variety of actions. Use your creativity.