Custom Project Proposal (CPP)
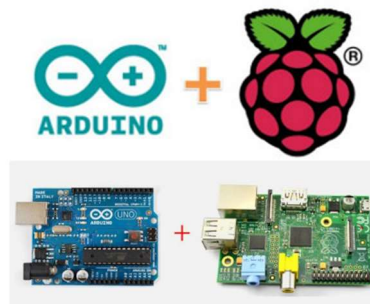
Using a Arduino Uno (11's) or a RPi (raspberry pi, 12's) along with course related components will allow students to design and build customized projects based on their interests. Through research students can learn more about the requirements and how to complete related projects.

Each project idea is to include information, details, and related pictures in their report with the following *Key information (marks for each level):

1. Title page, picture, and project description   /5
2. Related Project Picture and Caption (3 levels)   /2,   /2,   /2
3. Project Description, and Operation (3 levels)   /2,   /3,   /4
4. Project Components Stock and Purchase (3 levels)   /2,   /3,   /4
5. Project Programming Code (3 levels)   /2,   /3,   /4
6. Overall Summary and Learning Expectations   /7
7. Resources   /5

Project ideas can use basic hardware to simulate inputs/outputs we already have such as tact switches, simple sensors, LEDs, and or piezo buzzers to simulate a game board, security system, or a traffic light as some examples. These project reports must be in your own words summarizing with the key points (i.e., not copied from a source document/tutorial), and be supported by images. Once complete, students will present their project ideas to the rest of the class to share and possibly gain further support, ideas, and interests.

Evaluation

Once done, give yourself a Content and Layout mark, then pass to a partner to peer mark the report. After presentation, finish the self and peer evaluation, total up marks and submit to teacher right away.

Your selected project: _____

		Evaluation Table for Report of 3 Custom Projects				
#	Category	Description	Mark	Self-Eval. Mark	Peer-Eval. Mark name_____	Teacher Mark
1	Content	* All key information	/50			
2	Presentation	Content, communication, knowledge, & time	/20			
3	Marks	**Total Mark**	**/70**			
		Self and peer marks out of 20 (Completed by teacher)				

Peer Markers, remember, only mark **one** person