

Unit 2 Project Rubric: RVR with Attachment

Overview: Choose from **three different sustainability projects!** Then, design a prototype using RVR, upcycled materials and the Challenge Map.

Project Requirements	Points	Score
Brainstorming and Sketches		
<ul style="list-style-type: none"> Three sketches total (5 pts per sketch) 	15 Points	
<ul style="list-style-type: none"> Pseudocode or diagram of program to solve challenge 	5 Points	
Upcycled Prototype		
<ul style="list-style-type: none"> Prototype is constructed from upcycled materials (paper, cardboard, clay, plastic, foil, tape, pipecleaners, etc) 	5 Points	
<ul style="list-style-type: none"> Prototype represents a solution for the student's user 	5 Points	
<ul style="list-style-type: none"> Student provides written description or picture diagram of prototyped solution 	5 Points	
RVR		
<ul style="list-style-type: none"> Use at least one input (color, brightness, IR sensor) 	5 Points	
<ul style="list-style-type: none"> Use at least two outputs (lights, sound, movement, etc.) 	10 Points	
<ul style="list-style-type: none"> Drives autonomously 	5 Points	
<ul style="list-style-type: none"> Video of RVR running challenge 	5 Points	
Reflection Questions		
<ul style="list-style-type: none"> Reflection questions answered in complete sentences with well thought out responses. 	10 Points	
TOTAL POINTS	70 POINTS	