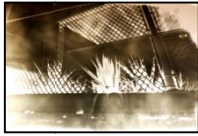



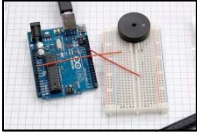


Satisfies the Next Generation Science Standards (NGSS) for Engineering

Discovering Design	Designing with Data	Reverse Engineering & Redesign	Systems Engineering	Explorations
				

Core Idea					
Engineering Design	✓	✓	✓	✓	
Science and Engineering Practices					
1: Defining Problems		✓		✓	✓
2: Developing and Using Models	✓	✓	✓	✓	✓
3: Planning and Carrying Out Investigations	✓	✓	✓	✓	✓
4: Analyzing and Interpreting Data		✓	✓		✓
5: Using Mathematical and Computational Thinking	✓	✓	✓	✓	✓
6: Designing Solutions	✓	✓		✓	✓
7: Engaging in Argument from Evidence		✓	✓	✓	✓
8: Obtaining, Evaluating and Communicating Information	✓	✓	✓	✓	✓
Crosscutting Concepts					
1: Patterns			✓		✓
2: Cause and Effect		✓	✓		
3: Scale, Proportion and Quantity	✓	✓			
4: Systems and System Models		✓	✓	✓	✓
5: Energy and Matter in Systems			✓		
6: Structure and Function		✓	✓	✓	✓
7: Stability and Change of Systems	✓				