

Project-Planning Template

Project Title:	
Topic:	
Grade Level:	Estimated Class Time:
Challenge:	
Curricular Connections	Skills Focus
Science	Critical Thinking
Mathematics	Collaboration
Art	Creativity
Social Studies	Communication
ELA	Empathy
Other:	Global View
	Systems Thinking
	Other:

Overall Plan	
<p>Hook</p>	
<p>Engagement Activity or Quick Build</p>	
<p>Background Instruction</p>	
<p>Background Research</p>	

Engineering Design Process

- Know Your Problem
- Know your end user
 - Identify constraints
 - Define criteria

- Know Your Options
- Research
 - Brainstorm

- Develop a Solution—Part One
- Choose a design
 - Identify needed materials

Develop a Solution—Part Two

- Create a plan; make a sketch
- Build the prototype

Develop a Solution—Part Three

- Present the prototype
- Get feedback
- Plan modifications to make it better

Develop a Solution—Part Four

- Communicate your results

Group Size

Possible Jobs

Materials (attach a list if necessary)

Assessment	
Individual	Group
Skills	Skills
Content	Content
Process	Process
Product	Product
Resources and Notes	