

North Pocono Engineering Process

Event: _____

Name (s): _____

Step 1. What is the Problem:

Step 2. Generate Concepts:

Step 3. Develop Solution:

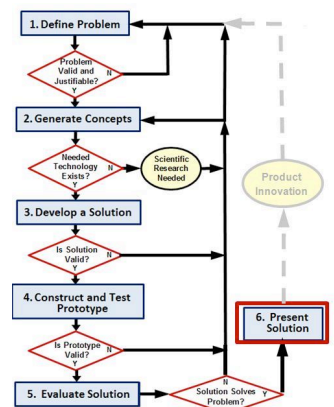
Vision Statement of Solution:

Create a vision statement for your project. Envision where you want the group to go. What will it look like when you get there? Remember – You are expected to realize your vision by completing the goals you set forth. Goals should move you towards your vision.

Our Group Vision:

GOALS:

Create goals that will move your group towards your vision. The goals should be SMART (specific, measurable, attainable, relevant and timely).



Leaders Name: _____

Group #: _____

GOAL NUMBER: _____

SMART Goal Description:

Who does this involve? _____

What does this involve? _____

Where will it take place? _____

How (describe subgoals required to complete the goal) and When (target dates)

1. _____

2. _____

3. _____

4. _____

5. _____

Why do you want to do this? _____

How will completion be verified? _____

When will it be done? _____

Approvals:

Teacher

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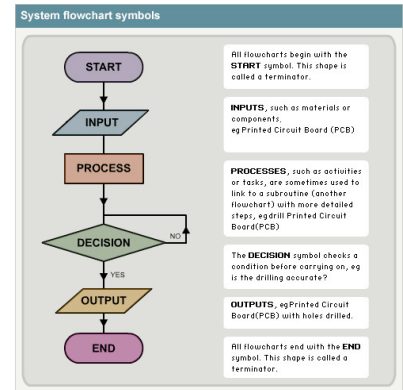
How will completion be verified? _____

When will it be done? _____

Approvals:

Teacher

Flow Chart



Step 4. Construct and Test Prototypes

Progress	Name / Date
Day <u>1</u> : _____	_____
Day <u>2</u> : _____	_____
Day <u>3</u> : _____	_____
Day ___ : _____	_____
Day ___ : _____	_____
Day ___ : _____	_____
Day ___ : _____	_____
Day ___ : _____	_____
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Day ___ : _____	_____
Day ___ : _____	_____
Day ___ : _____	_____

Construct and Test Prototypes

Progress

Name / Date

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Day ___: _____

Step 5. Evaluate Solution

What went right:

What went wrong:

What would we try next time:
