Engineering Design: A Very Short Sample

Name:

Date: Period:

(I)IDENTIFY/Define Problem:

1. Problem/Need

2. Background Information:
2.1

2.2

2.3

Sources:

3. Criteria and Constraints:

(S)Generating SOLUTIONS

4. Describe & Evaluate Solutions:
Design? Criteria? Constraints? Priorities?

4.1

Data: ____ ____ ____ ____

4.2

Data: ____ ____ ____ ____

4.3

Data: ____ ____ ____ ____

5. Select & Defend Solution:
Criteria? Constraints? Priorities?

(T)TESTING Solution/Data :

6.1 Observations Chart:

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

6.2 Organize & Display Data:

(A)ANALYZING & Interpreting Results:

7. Evaluate Design & Performance:
Design? Criteria? Constraints? Priorities? Trade-offs?

8. Identify/Explain improvements: