TECHNOLOGY EDUCATION

Engineering
And
Design Tech-Folio

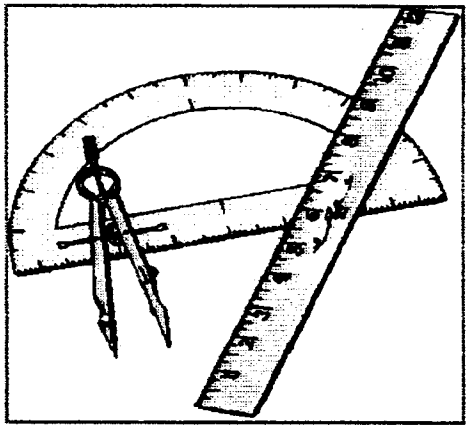
Name: _____

Grade: _____ Hour: _____

Start Date: _____ / / _____

Due Date: _____ / / _____

Teacher: **Mr. Sartori** _____



Your Technology Challenge

Write a brief description of the challenge you are to solve in the box below…

Hints: What is the design brief asking me to do?
What do I need to find out to be successful?

What my project must do

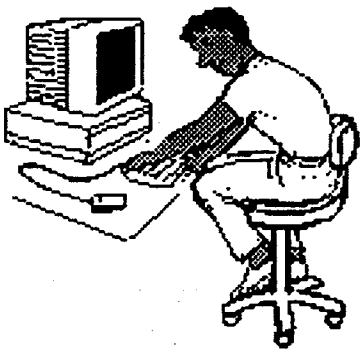
Write a list of the things that your idea must do to solve the challenge

1. It must ...
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.

Draw pictures or diagrams of your ideas:

Draw your final idea here:

Give reasons for the choice of your final design



The design chosen is the most suitable because ...

Information:

Energy:

People:

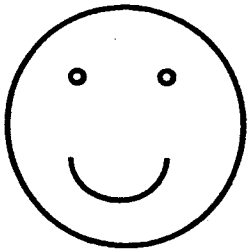
Capital:

Time:

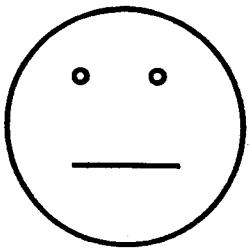
Tools and Machines:

Materials:

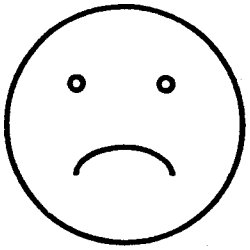
Processes:



What things I was really happy with when the design was made ...



What things were OK when the design was made ...



What things I was not happy with when the design was made ...

How I could improve the design

What I learned while working on this challenge

NAME:_____

DATE:_____

Criteria for DC motor evaluation:

	PTS	STUDENT	TEACHER
Does it work?	10	_____	_____
How well does it spin?	10	_____	_____
Does it look professional?	10	_____	_____
It well constructed?	10	_____	_____
Are the connections soldered properly?	10	_____	_____
Is it creative?	10	_____	_____
Are there new ideas, extra components?	10	_____	_____
How much effort was applied?	10	_____	_____
Was time used well (time on task)?	10	_____	_____
Were instructions properly followed?	10	_____	_____
EXTRA CREDIT		_____	_____
TOTAL POINTS		_____	_____

Criteria for DC motor design brief evaluation:

	PTS	STUDENT	TEACHER
Is the problem clearly stated?	10	_____	_____
Does it show the design process?	10	_____	_____
Does it clearly show the final design?	10	_____	_____
Does it show the tools, machines and Processes necessary to recreate the design?	10	_____	_____
Is the design brief professional (effort, neatness, typed, etc.)?	10	_____	_____
EXTRA CREDIT		_____	_____
TOTAL POINTS		_____	_____