

Room 2 Room Rube Goldberg: Engineering & Design

Name: _____

Cawthra Park Secondary School

Room _____

Teacher: R. Parcher

Course: TDJ4M: Technology Design

Date: April 2012

This three person project is focused on the goals of;

- Develop and applies safe, healthy and non-obtrusive work practices (D1.2)
- planning, organizing and managing a group project under restricting criteria (A2.2, A3.1)
- reviewing and developing drafting and design skills (B2.2)
- developing problem solving skills using the design process by designing and assembling a Rube Goldberg machine that will transfer movement through a classroom to another classroom (B3.4)

Criteria:	(50% - 59%)	(60% - 69%)	(70% - 79%)	(80% - 100%)
Knowledge	Overall Expectations: D1(2)			
Understanding of content (ex. understands how to identify and apply safe, healthy and non-obtrusive assembly procedures with self, group and other students in mind)	demonstrates limited understanding	demonstrates some understanding	demonstrates considerable understanding	demonstrates thorough understanding
Thinking	Overall Expectations: A2(2) & A3(1)			
Use of planning skills (ex. plan, organize and manage time, workload, communicate effectively w/ group & teacher)	uses planning skills with limited effectiveness	uses planning skills with some effectiveness	uses planning skills with considerable effectiveness	uses planning skills with a high degree of effectiveness
Use of critical/creative thinking processes (ex. Use of research to guide the design of a RGB)	uses critical/ creative thinking processes with limited effectiveness	uses critical/ creative thinking processes with some effectiveness	uses critical/ creative thinking processes with considerable effectiveness	uses critical/ creative thinking processes with a high degree of effectiveness
Communication	Overall Expectations: B2(2)			
Expression /organization of ideas and information (ex. Create sketches and formal designs/drafts of concept)	expresses and organizes ideas and information with limited effectiveness	expresses and organizes ideas and information with some effectiveness	expresses and organizes ideas and information with considerable effectiveness	expresses and organizes ideas and information with a high degree of effectiveness
Application	Overall Expectations: B3(4)			
Application of knowledge and skills (ex. Create and test a Rube Goldberg machine that travels through a classroom)	applies knowledge and skills to produce a RGB	applies knowledge and skills to produce a RGB	applies knowledge and skills to produce a RGB	applies knowledge and skills to produce a RGB

Group members:

Notes: