

Rubric Toy Trains 3D designing and printing

	5	10	20	Points given:
Groupwork (pairs)	(n)One of the two significantly did more work than the other.	There was cooperation, but also times the workflow wasn't there.	The students worked the whole time together on the project	
Engagement	Students were not really engaged into the project	Most of the time the students were engaged in the project	Every class the students worked hard to finish the project.	
Innovation	The final product doesn't ride. The wheels don't work. There is no connector between the cars.	The product rides and fits in the track. The mechanisms used for the wheels are easy, but working. The connectors between the cars are working, but made on a simple design.	The product rides and fits in the track. The wheels are attached to the cars with an innovative design. The connectors used to connect the wagons are working and based on a sturdy innovative design.	
Design	The product is made of very basic shapes	The product is made of basic shapes, but there are some extra details added to make the train look more attractive.	The product has a really personal look. Many details are added and the train looks really attractive to play with.	
Presentation	The product is not painted with bright attractive colors/ The product is poorly painted.	The product is neatly painted with colors.	The product is neatly painted with bright and attractive colors. Lots of attention has been brought to details.	
TOTAL POINTS:				