STEAM Year 9 – Model Maker

Completion date:

You will learn about:

Character Design

Choosing suitable materials

Model making, Mould making and Casting processes.

Stop Frame Model Animation

Lesson Overview	Key Words
Lesson 1 – Intro to course & Initial ideas Artist analysis -Idea Development **-3D Modelling of puppet head in NCP** *Homework* – Produce a detailed drawing of your chosen character with back story on paper or on sketchbook app. **Lesson 2- Making the plaster mould for your head and making wood and wire armature.** **Lesson 3- Casting the head plaster mould with silicone.** *Homework – Bring in any fabric or other materials to use for clothes / shoes / accessories for your puppet* **Lesson 4, 5 – Building stop frame puppet body** **Lesson 6 – Plan Animation** *Homework – Finish planning* **Lesson 7- Film Stop Frame Animation** **Assessment**	Armature Linkage Mould Casting
Suggested reading or support available The following films have been directed by Tim Burton – lots of clips on YouTube - *Edward Scissorhands* - *The Nightmare Before Christmas,* - *Corpse Bride* - *Frankenweenie* - *Batman* - *Planet of the Apes* - *Charlie and the Chocolate Factory* - *Alice in Wonderland*	**Cross curricular** Art English **Literacy links** Writing a back story for your character

Grade Range	Using failure to learn and grow	Creativity	Accuracy
	SUCCESS CRITERIA Highlight your starting point for each skill in **PINK**, at the end of the project highlight where you think you got to in **BLUE**.		
0	I presented no work.	I presented no work.	I presented no work.
1	WWW: I can identify some basic errors and mistakes with my work. EBI: I need to reflect more on my mistakes and try to not repeat them.	WWW: I can develop some ideas using existing examples and try to make my own changes to them. EBI: I need to make my designs my more my own and try to bring something new into them.	WWW: I have made an attempt to complete the task with some success. EBI: I need to try and take more time and care with my work to avoid mistakes.
4	WWW: I can identify some issues and mistakes and overcome them. I can reflect on the causes of mistakes and see why they happened. EBI: I need to think more carefully about past experiences\mistakes so that I do not make the same mistake again.	WWW: I can develop and show some fresh ideas and my examples are mostly developed by myself. EBI: I need to use other peoples examples and ideas more for inspiration than copying and develop my own style.	WWW: I have completed the task with reasonable accuracy and have created a successful piece of work EBI: I need to make sure I have planned and prepared my work beforehand and take more care to avoid errors.
6	WWW: I managed to independently identify and fix issues and mistakes. EBI: I should refer to my past errors (looking at my past work) and attempt to resolve potential mistakes at the design stages.	WWW: I use examples only as a start point and can develop numerous different options from there. My final ideas clearly show my own personality and style. EBI: I need to try and produce alternative unique ideas that accurately meet the design requirements.	WWW: I have consistently completed tasks with care and with few mistakes resulting in a successful piece of work. EBI: I need to ensure my work is planned and prepared thoroughly to ensure I can complete a task without any errors.
8	WWW: I can shown and explain, using previous issues and mistakes, why my work or solutions will be more likely to succeed than in previous efforts. EBI: When testing a problem, I need to make sure that I also try to prove something doesn't work as well as what does work to gain a better understanding.	WWW: I can develop multiple new ideas and options that accurately meet the design requirements. My solutions are highly innovative, unique and purposeful.	WWW: I always complete the tasks with a high level of precision and accuracy and have produced a quality outcome which is both functional and elegant. EBI I should consider ways of producing every part of my work to a consistently high quality.