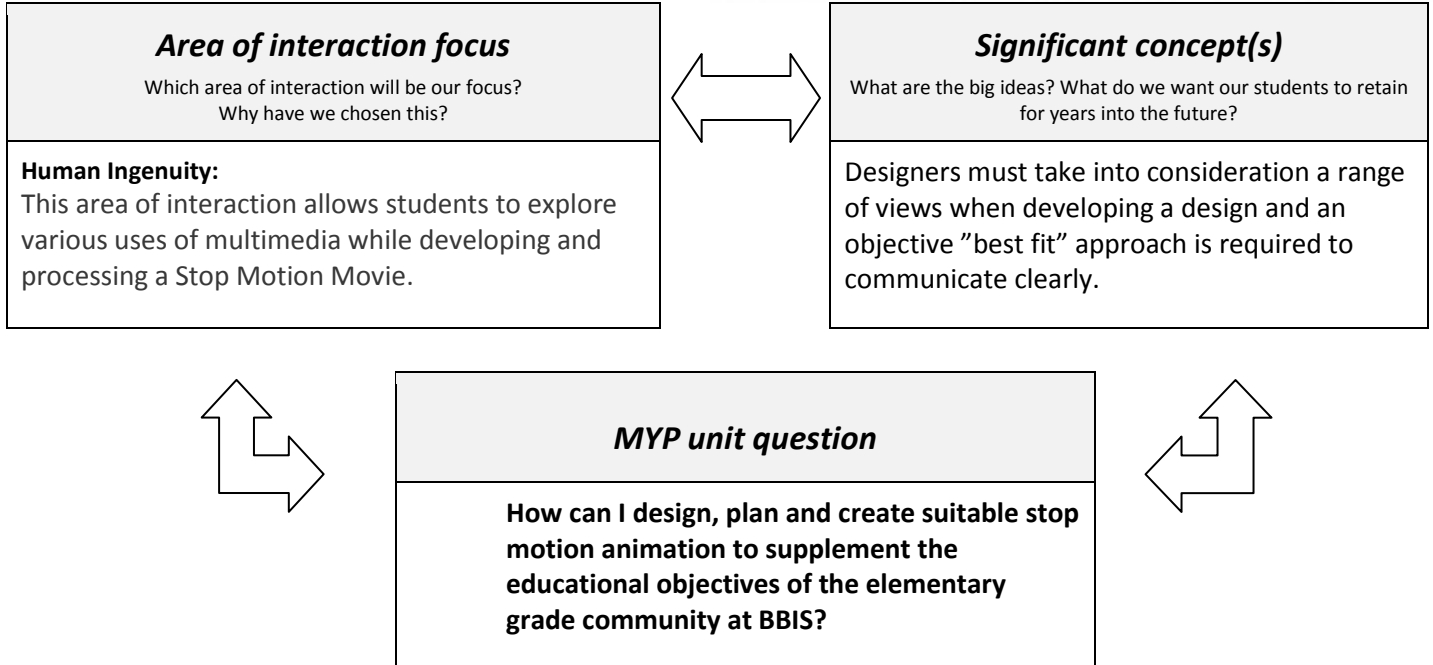
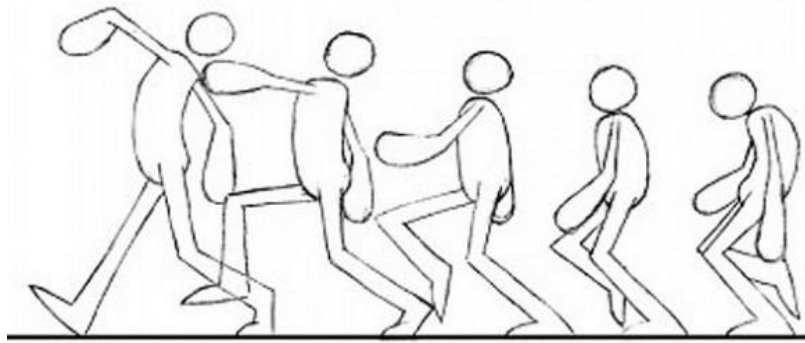


# DESIGN TECHNOLOGY

## Unit Title: Stop Motion Animation

Branch: Materials

Duration: about 8 weeks



### Context:

Many ICT projects are designed to utilize one computer program; however, with the recent introduction of stop-motion into ICT labs, students are required to incorporate "audio documentary creation", "storyboarding", and "movie production" skills to develop a final animation project. In addition, students will design, plan and create their project. Students will select a letter and transform it into an object that begins with that letter, for example A to an apple.

### Criteria: Task guide

#### A. Investigate

1. Research: Review last semester's animations: see link below: Complete a PMI review on each. P = positive things, M = minus things and I = interesting things.
2. Product Investigations: Complete several (at least 3) Product Researches on Stop motion films and complete a PMI review on each. P = positive things, M = minus things and I = interesting things.
3. Write a Design Context in your own words describes the nature of the project.

4. Brainstorm or list of key design features for your animation:

- a. Outline several transformation options for some letters.
- b. Outline options for creating the background- the “stage” is limited to an A4 paper size

5. After the research and brainstorming add 7 more design specifications to describe how a Stop Motion film will be considered good and successful. Think back to PMI’s

- 1. The film must be 2 minutes in length
- 2. The film must have an Intro and Ending transition
- 3. The film must have music, text and backgrounds

6. Write a design Brief that clearly states what you will create and how, include descriptions of materials needed.

7. Draw a diagram of how the “stage and camera” must be set up for your film making. Label all the equipment and mention key helpful hints for making a stop motion film.

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**B. Design**

- 1. Sketch at least 3 drawings of feasible letter transformation ideas in at least 3 frames. (Try using Paint to storey board this)
- 2. Select one option and sketch a suitable back ground.

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**C. Plan**

- 1. For the selected letter transformation complete **a detailed “story board” of about 2 minutes** to show the letter transformation.
- 2. Describe your backgrounds, props, script, titles, music and ideas behind your animation, list equipment and materials needed.
- 3. Review your plan, and make modifications as required

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**D. Create**

1. Create a stop motion film: that is 2 minutes long. **Start with a background.** Working from your storyboard Use the camera to film your stop motion and then bring it into moviemaker to edit. Try looping part of it to make it longer and tell the story. You should have transitions, sound and credits. Editing is very important and can really bring your film alive, make sure your animation has pace and there is a coherent story.

## E. Evaluate

1. Prepare and conduct a Peer Evaluation to evaluate your film.

You must get feedback about how your product rates against each of the design specifications. From the Peer

Evaluation:

Summarise the comments on how your product could be developed or improved

Complete your own evaluation of your product against the design specifications and make your own recommendations on how the product could be developed or improved.

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### Resources:

1) Contributor, An EHow. "How to Create a Claymation Movie | EHow.com." *EHow | How To Do Just About Everything! | How To Videos & Articles*. Web. 06 Feb. 2011. <[http://www.ehow.com/how\\_2051098\\_create-claymation-movie.html](http://www.ehow.com/how_2051098_create-claymation-movie.html)>.

2) "Claymation Stop Motion." *Stop Motion - Stop Motion Animation, Animation Programs – Ikitmovie.com*. Web. 06 Feb. 2011. <<http://www.ikitmovie.com/59/claymation.htm>>.

3) "Stop Motion Animation Claymation in Education - an Exciting Learning Tool for All Ages!" *Free Articles Directory | Submit Articles - ArticlesBase.com*. Web. 06 Feb. 2011. <<http://www.articlesbase.com/software-articles/stop-motion-animation-claymation-in-education-an-exciting-learning-tool-for-all-ages-640801.html>>.

### Links to previous examples

<http://www.youtube.com/playlist?list=PLoUdvStTzrX-RR-IXBb9DIYnPAJoLnz3K>

[http://www.youtube.com/watch?v=fDjOwyWa23k&list=PLoUdvStTzrX8YxYT\\_F9RKvuYoNcY1FktG](http://www.youtube.com/watch?v=fDjOwyWa23k&list=PLoUdvStTzrX8YxYT_F9RKvuYoNcY1FktG)

[http://www.youtube.com/watch?v=fGYZTcEC0HA&list=PLoUdvStTzrX8i2aK3McJ3\\_son4eZbMqoF](http://www.youtube.com/watch?v=fGYZTcEC0HA&list=PLoUdvStTzrX8i2aK3McJ3_son4eZbMqoF)

**BERLIN BRANDENBURG INTERNATIONAL SCHOOL**

**Design Technology Assessment Criteria**

Unit Stop Motion

Grade 9

Student \_\_\_\_\_

<b>Investigate</b> Students must document evidence of research and analysis		<b>Design</b> Students must display a range of design features and ideas		<b>Plan</b> Students must document their work plan		<b>Create</b> Students must create a product and document their progress in manufacture		<b>Evaluate</b> Students must document an assessment of the product and process		<b>Attitudes in Technology</b> Students' demonstration of motivation, confidence, attitude	
<ul style="list-style-type: none"> <li>-Concisely explained a design context and outlined a design theme</li> <li>-Brainstormed a comprehensive list of options</li> <li>-a detailed diagram of "how to" set up the camera and stage</li> <li>-Thorough review of at least 3 Stop motion films</li> <li>-Established a comprehensive set of 10 Design Specification</li> <li>-A descriptive Design brief</li> </ul>	6	<ul style="list-style-type: none"> <li>-Sketch of 3 feasible and detailed theme ideas with at least 3 frames each</li> <li>-Designed a neat and colourful background idea</li> </ul>	6	<ul style="list-style-type: none"> <li>-a detailed storyboard of 50 frames sequence explaining the order and material/prop list for Stop Motion</li> <li>-a comprehensive list of materials needed</li> </ul>	6	<ul style="list-style-type: none"> <li>-A very smooth and detailed Stop Motion creation that is 2 minutes in length</li> <li>- Comprehensive introduction and ending slide</li> </ul>	6	<ul style="list-style-type: none"> <li>-A thorough Peer Evaluation prepared</li> <li>-at least 4 peer evaluations gathered and thoroughly summarised</li> <li>-Objective comments regarding your strengths and weaknesses in the design process</li> </ul>	6	<ul style="list-style-type: none"> <li>The student displays a consistently high level of;</li> <li>-safe behaviour in the workshop</li> <li>-contributing to the learning environment</li> <li>-independence in attempting their work</li> <li>-always prepared for class</li> <li>-binder exactly organised and tidy</li> </ul>	6
	5										5
<ul style="list-style-type: none"> <li>-Simply explained a design context and outlined a design theme</li> <li>-Brainstormed a good list of options</li> <li>-a simple diagram of "how to" set up the camera and stage</li> <li>-Good review of at least 1-2 Stop motion films</li> <li>-Established a set of 6-9 Design Specifications</li> <li>-A simple Design brief</li> </ul>	4	<ul style="list-style-type: none"> <li>-Sketch of 1-2 feasible and detailed theme ideas with up to 2- 3 frames each</li> <li>-Designed a neat and colourful background idea</li> </ul>	4	<ul style="list-style-type: none"> <li>-a basic/tidy storyboard of 25-50 frames sequence explaining the order and material/prop list for Stop Motion</li> <li>-a basic list of materials needed</li> </ul>	4	<ul style="list-style-type: none"> <li>-A slightly smooth and basically detailed Stop Motion creation</li> <li>- Movie is 1-2 minutes in length - Basic introduction and ending slide</li> </ul>	4	<ul style="list-style-type: none"> <li>-A thorough Peer Evaluation prepared</li> <li>-2-3 peer evaluations gathered and partly summarised</li> <li>-Partly objective comments regarding your strengths and weaknesses in the design process</li> </ul>	4	<ul style="list-style-type: none"> <li>The student displays a high level of;</li> <li>-safe behaviour in the workshop</li> <li>-contributing to the learning environment</li> <li>-independence in attempting their work</li> <li>-usually prepared for class</li> <li>-binder mostly organised and tidy</li> </ul>	4
	3										3
<ul style="list-style-type: none"> <li>-Vaguely explained a design context and outlined a design theme</li> <li>-Brainstormed a couplet of options</li> <li>-an incomplete diagram of "how to" set up the camera and stage</li> <li>-simple review of 1-2 Stop motion films</li> <li>-Established 3-5 simple Design Specification</li> <li>-A vague Design brief</li> </ul>	2	<ul style="list-style-type: none"> <li>-Sketch of 1 feasible and partly detailed theme idea with 1-2 frames each</li> <li>-Partly designed an untidy background idea</li> </ul>	2	<ul style="list-style-type: none"> <li>-a basic/tidy storyboard of 0- 25 frames sequence displaying the order and material/prop list for Stop Motion</li> <li>-a incomplete list of materials needed</li> </ul>	2	<ul style="list-style-type: none"> <li>-A rough or choppy and detailed Stop Motion creation</li> <li>- Movie is 0-1 minute in length - Incomplete introduction and ending slide</li> </ul>	2	<ul style="list-style-type: none"> <li>-A simple Peer Evaluation prepared</li> <li>-1-2 peer evaluations gathered and partly summarised</li> <li>-Basic comments regarding your strengths and weaknesses in the design process</li> </ul>	2	<ul style="list-style-type: none"> <li>The student displays an inconsistent level of;</li> <li>-safe behaviour in the workshop</li> <li>-contributing to the learning environment</li> <li>-independence in attempting their work</li> <li>-sometimes prepared for class</li> <li>-binder poorly organised, untidy</li> </ul>	2
	1										1
<ul style="list-style-type: none"> <li>-no design context</li> <li>-no brainstorm</li> <li>-no diagram of set up</li> <li>-no film reviews</li> <li>-no design brief</li> </ul>	0	<ul style="list-style-type: none"> <li>-No ideas sketched</li> <li>-No designed background idea</li> </ul>	0	<ul style="list-style-type: none"> <li>-an incomplete or no storyboard</li> <li>-a incomplete or no list of materials needed</li> </ul>	0	<ul style="list-style-type: none"> <li>-A very rough creation</li> <li>- Movie is 0-1 minute in length - Incomplete or missing introduction and ending slide</li> </ul>	0	<ul style="list-style-type: none"> <li>-No peer evaluation prepared</li> <li>-No summary</li> <li>-No self evaluation</li> </ul>	0	<ul style="list-style-type: none"> <li>Total disregard for the expectations of the work environment and no effort shown</li> </ul>	0
	0										0
<b>Grade Conversion</b>				<b>Assessment Total =</b>				<b>Grade =</b>			
1 = 0-5		2 = 6-9									
3 = 10-15		4 = 16-21									
5 = 22-26		6 = 27-31		7 = 32-36							

