

Y9 Paper & Card

5 Week Rotation

Online Learning

Lesson 1:



Research the work of paper engineer Robert Sabuda and create a fact-file about his work.

You should fill a minimum of 2 sides of A4 (double page spread in your books) and should include written analysis as well as images.

The following links will show you some of his work.

<https://www.simonandschuster.com/authors/Robert-Sabuda/1077661>

<https://www.youtube.com/watch?v=vpJmTSAIHeQ>

Please do not just copy from the internet. Research, make notes and then present the facts you have found, along with relevant images. You may include some background information about the artist, but your work should be primarily about his work. Think about the materials and techniques he uses to create his work, as well as colours, textures and themes that are explored.

Lesson 2:



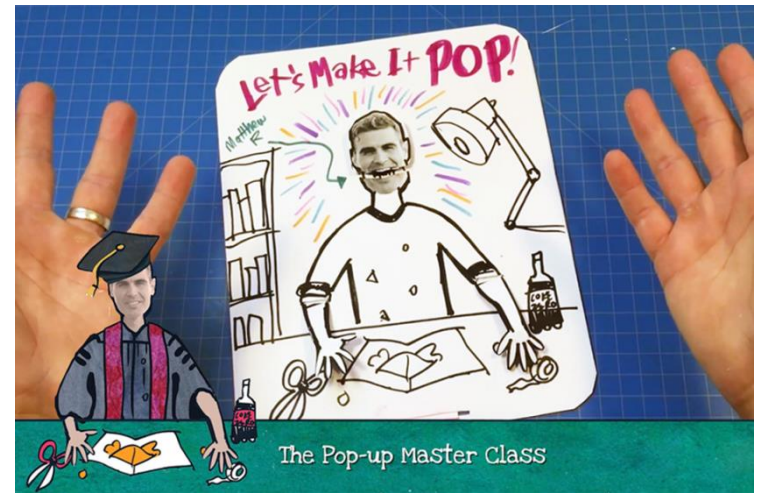
This week I would like you to create a mood board.

What is a mood board? A mood board is a range of pictures that overlap each other to form one large picture. There should be no gaps on your page between your pictures. Please see the example below.

Create an A4 mood board showing different types of paper mechanisms e.g. lazy tong arms, V-fold, box fold, pull tabs, leporello and paper wheel.

You should include a minimum of 12 images.

Lesson 3:



<http://www.matthewreinhart.com/pop-up-master-class/>

Go to the link above and watch at least V-Folds part 1 and Box Layers part 1. I would then like you to make one of each for yourself, incorporating it into a design. If you would like to challenge yourself, or you remember making some simple pop-ups in year 7, then go on to the later 'Masterclass' videos and try those instead.

The only equipment you will need is some paper, scissors, possibly glue (or tape would do), and colouring pens or pencils.

Have some fun with the designs and see what you can come up with.

Stick the results into your book, making sure you can still move them so they can 'pop-up'!

Lesson 4:

ACCESS FM is an acronym used in Design Technology to help write a specification for a design, or to analyse and describe products which are already on the market.

You can use the help-sheet below to create an analysis of a product which already exists. You may have a pop-up or moving book at home that you would like to use, or you could just look again at the work of Robert Sabuda and do your research online.

Set out your work so that it is clear that you are using ACCESS FM, write in full sentences and go into as much detail as you can. Include an image of the specific product you analyse.

We use **ACCESS FM** to help us write a **specification** - a list of requirements for a design - and to help us **analyse and describe** an already existing product.

ACCESS FM - Helpsheet

A is for Aesthetics	 Aesthetics means what does the product look like? What is the: Colour? Shape? Texture? Pattern? Appearance? Feel? Weight? Style?
C is for Cost	 Cost means how much does the product cost to buy? How much does it: Cost to buy? Cost to make? How much do the different materials cost? Is it good value?
C is for Customer	 Customer means who will buy or use your product? Who will buy your product? Who will use your product? What is their: Age? Gender? What are their: Likes? Dislikes? Needs? Preferences?
E is for Environment	 Environment means will the product affect the environment? Is the product: Recyclable? Reuseable? Repairable? Sustainable? Environmentally friendly? Bad for the environment? 6R's of Design: Recycle / Reuse / Repair / Rethink / Reduce / Refuse
S is for Size	 Size means how big or small is the product? What is the size of the product in millimeters (mm)? Is this the same size as similar products? Is it comfortable to use? Does it fit? Would it be improved if it was bigger or smaller?
S is for Safety	 Safety means how safe is the product when it is used? Will it be safe for the customer to use? Could they hurt themselves? What's the correct and safest way to use the product? What are the risks?
F is for Function	 Function means how does the product work? What is the products job and role? What is it needed for? How well does it work? How could it be improved? Why is it used this way?
M is for Material	 Material means what is the product made out of? What materials is the product made from? Why were these materials used? Would a different material be better? How was the product made? What manufacturing techniques were used?

Lesson 5:

Use the research work you have already done on the work of Robert Sabuda and Matthew Reinhart, and the paper mechanisms you have looked at and create your own moving scene.

You do not need to make the scene if you don't have the materials available, but please design one of your own anyway. Try to use technical drawing skills, including 3D, tonal shading etc. to make the design realistic. It should be A4 in size.

You should annotate it to explain how the moving parts work. Think about the theme of your scene and incorporate pop-ups and linkages to make it move and bring it to life. The following link may help you think about how you could use some linkages to move elements of your scene.

https://www.youtube.com/watch?v=xh1jTtAxs_Q

