

Design and Technology Knowledge Organiser

Southwold Primary School



Topic: What computer skills do I need to be a product designer?

KS1

Strand : Computer Aided Design

What should I already know?

- How to safely use and explore a variety of materials, tools and techniques
- Experimenting with colour, design, texture, form, and function.

What will I know by the end of this unit?

- That packaging serves a variety of purposes.
- How graphics are used to create effects.
- The graphics on a product reflect who and what the packaging is designed for.
- About the animation design of Yoichi Katabe.
- How to create a product online using computing skills.

What will I be able to do by the end of this unit?

Design:

- Research different types of packaging.
- Match a variety of fonts/colours to an intended purpose.
- Create a template.
- Communicate verbally and through simple plans, my design ideas and steps I will follow to make my product.
- Design a product suitable for the intended user.

Make

- Apply what they have learnt about packaging when designing their own packaging box.
- Use program design on Purple Mash to create their product.
- Incorporate appropriate graphics & images in their design.

Evaluate

- Evaluate my own finished products and say what I think and feel about it.
- Identify ways in which I could improve my work in the future.

Famous Designer

Research

Yoichi Katabe is a Japanese animation artist and character designer who worked for Nintendo for 21 years.



He is known for designing Characters and packaging for Super Mario Bros and Pokemon.

Yoichi was born in 1936 in Taiwan and still works on animations today! He became a fan of animation when his mother made flip books with him as a child.

Existing Products



Vocabulary

| | |
|------------------|--|
| CAD | Using computers to create and change a design. (Computer aided design) |
| packaging | Materials used to protect a product. |
| toolbar | A row of words or small symbols at the top of the screen that you click on to give particular. |
| font | Style of writing. |
| graphics | Pictures drawn by you on a computer. |
| image | Scanned picture/photograph not drawn by you. |
| product | Something that is made. |
| net | A pattern that can be cut and folded to make a solid shape. |

Computer Aided Design

