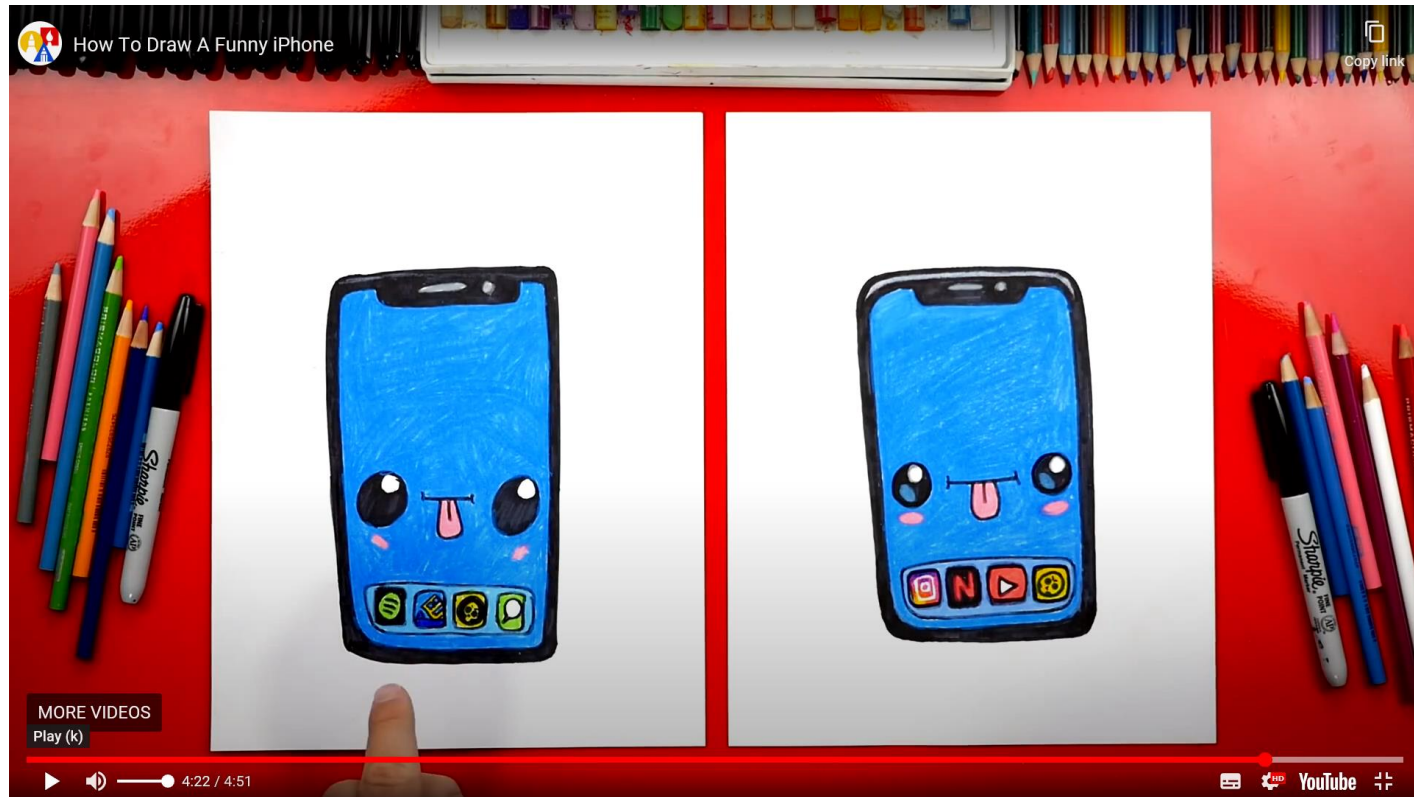


YR 7 LIGHT PROJECT

ACTIVITY I

How are your drawing skills ?

Follow the instruction on the video



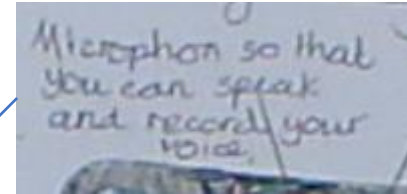
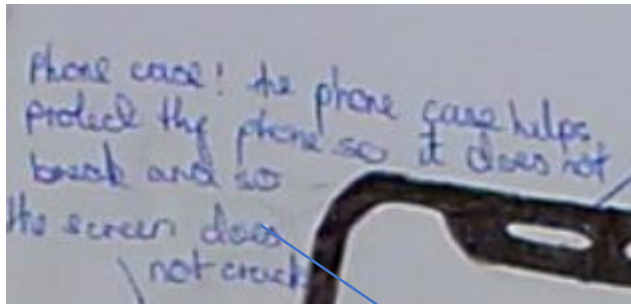
<https://www.bing.com/videos/search?q=draw+an+iphone&&view=detail&mid=580366D28C3DB803C93E580366D28C3DB803C93E&&FORM=VRDGA R&ru=%2Fvideos%2Fsearch%3Fq%3Ddraw%2Ban%2Biphone%26FORM%3DHDRSC4>

Design layout – Labelling Features



How many Features can you label ? To gain top marks you need to describe what each feature does.
The next slide shows you an example.

Example from class.



How many more can you label and describe?

ACTIVITY 2

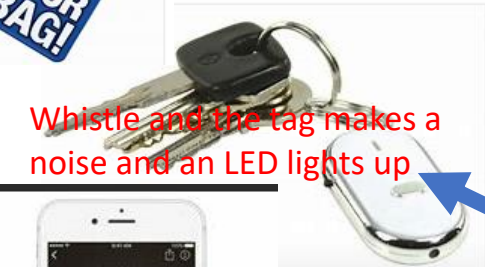
Can you rise to this challenge ?



<https://www.bing.com/videos/search?q=draw+an+iphone&ru=%2fvideos%2fsearch%3fq%3ddraw%2ban%2biphone%26FORM%3dHDRSC4&view=detail&mid=96E031F7C1E6EAF95FFA96E031F7C1E6EAF95FFA&&FORM=VDRVRV>

ACTIVITY 3

Inspiration Board — Looking at the work of others



Whistle and the tag makes a noise and an LED lights up



Explain what the device does...



What does this device do ?



Year 7 Looking for Inspiration from the work of others.

- Completely fill one side of A4 paper with devices or items that help people locate an item this can be using apps or maps, or a traditional label.
- Label each one with the materials, features and what they do. Use arrows and pictures to explain. Change the colour of the font so the information can be read clearly.
- Make sure all images are clear
- Look for designs that have features that light up or make a noise.

App links to keys to find your phone



ACTIVITY 3

PRODUCT ANALYSIS

You need to complete a product analysis of the torch using the different key words found on the next slide.

We analyse products in Design & Technology to learn about them in order to make better products.



This torch has been designed to appeal to a target group. Which target group do you think would want to own this torch ?
You will need to think about this when answering the question on the next slide.

PRODUCT ANALYSIS

Form – What colours/shapes are used?

Function – What does it do? How does it do it?

User – Who do you think would buy this torch? How does it try to appeal to them?

Environment – Where is it used? Would it be easy to carry? How is this torch powered to help the environment ?

Materials – What is it made from? Is this a good choice?

Quality – Do you think it is high or low quality? What makes you say this?

Good things- What do you like about this torch? Why?

Improvements- What could be done to make this design better? Why do these changes need to be made?



Try to answer these questions in as much detail as you can. Explain what you mean and don't be afraid to say what you think about each part of the design. The more detail you put in your answer the higher your level will be.

PRODUCT ANALYSIS TEMPLATE

Form: _____

Function: _____

User: _____

Environment: _____

Materials: _____

Quality: _____

Good things: _____

Improvements: _____



ACTIVITY 4

DESIGNING PRODUCTS

We analyse products in Design & Technology to learn about them in order to make better products.

We also consider the work of other designers and their products.



The pink torch was designed to appeal to a target group. Which means that it would not appeal to everyone. How could we make this torch appeal to a greater target market? Would changing just the colour make it appeal to everyone?

Or would we need to change more?

Your next task is to use your skills in drawing, design layout knowledge and your inspiration board to redesign a torch that would appeal to a large target market and be the owner would be able to find it, if they lost it.

Design a Windup torch that appeals to a wider target market.

Things to think about before you start –

- How will you windup your torch?
- What features would appeal to a large target market?
- What device would you include to help you find the torch if it became lost?

ACTIVITY 5

Reusing materials to make an item.

- Manufacture an object
- The object will be attached to the torch you have already made in class
- Use materials you have at home (the examples have been made from old socks, gloves, wool and parts of old toys)
- You may ask someone for help to make the object
- You must be able to explain how it was made and the materials used
- You may model in card (please ask if you need any)
- The object should be something you wish to hang from your bag
- Must not be too big or too small
- You must be able to describe how it will help identify your bag in class.

Make your own at home
here are some examples below.

