

# Knowledge Organiser Year 8 I.T. Term 1

## Key topics covered in Term 1:

### Expectations in an IT room

Physical aspects linked to ergonomics and health and safety aspects

### E-Safety

Online Safety, recognising a safe website and understanding some of the online dangers that exist.

### Cyberbullying

Different types of Cyberbullying and steps that should be taken.

### 2D Design

This includes designing products that can be engineered

#### Lesson 1: Cyberbullying

You will need to know about:

- Cyber bullying
- Phishing and Scams
- Secure Passwords
- Malware and Viruses
- Hacking



#### Lesson 2: Social Networking

You will need to:

- Understand what social networks are used for.
- Be aware of the dangers of the internet.
- Understand what precautions can be taken to stay safe.



#### Lesson 3: Features of mobile phones

You will need to:

- understand the features of your mobile phone
- be aware of the dangers when using your mobile phone.



#### Lesson 5: E-safety and the dangers of the Internet

You need to know how to create a Powerpoint to show to younger students about the dangers of the Internet.

You should write about:

- Cyber Bullying
- Online Scams
- Cyber Stalking
- Social Networking
- Email
- Viruses
- Mobile Phones

#### Follow the code to stay safe online



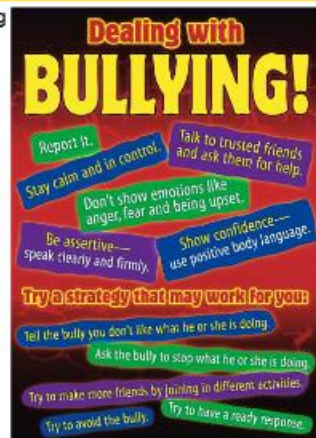
Click Clever, Click Safe!

#### Lesson 4: Dealing with cyberbullying

You will need to understand the following words:

- Flaming
- Cyberstalking
- Masquerading
- Outing

You will need to know what you should do if you are being cyberbullied.



What do these tools on 2D design do?		
1. Grid Lock		Helps your lines stick to the dots/grid
2. Line		Sketches a line
3. Fillet		Used to curve a line with given radius
4. Contour		Draws a line from an edge a specified distance or traces a closed shape accurately
5. Delete		Deletes a shape, line or part
6. Rectangle		Draws an accurate rectangle a given length and height
7. Circle		Draw a circle to a given centre point, radius or point
8. Select		Select a shape, object or line