



# ICT - Year 8



## Autumn (Michaelmas) Term

What we are learning...
Components of a computer system
Practical tasks - building computers
Matching a computer spec to a user

Consolidation
Try these quizzes out <a href="#">Quiz 1</a> <a href="#">Quiz 2</a> <a href="#">Quiz 3</a>
Try the different versions of the games!
Watch this YouTube video to learn more about gaming computer components <a href="#">Building a gaming PC</a>

Deepen & Challenge
Customise your own 'dream' computer using any of the sites below.
Make a presentation showing the components you would include and explain why you would choose them. <a href="#">Build a PC on the Box Site</a> <a href="#">Build a PC on PC specialist</a>

## Spring (Lent) Term

Photoshop graphics - difference between bitmaps and vectors
Photoshop graphics - photography and creating a montage
Photoshop graphics - use of filters and effects

Quizziz bitmap and vector <a href="#">quiz</a>
Wordwall vector bitmap <a href="#">quiz</a> - choose how you play!
<a href="#">Watch this video on how to make pixel art</a>
Scratch - create your own pixel art
Create your own collage montage at home by taking, printing and cutting out photos. How does this compare to using Photoshop?
On your phone, take photos of a subject (eg a pet) and explore the filter effects in your camera app. What interesting effects can you achieve?

More in depth bitmap-vector quizzes/game <a href="#">quiz</a>
Find at least 3 examples of Hugo Suissas forced perspective work and consider how he took the photos - was Photoshop used?
Explore further setting on your phone camera - eg crop, zoom, contrast.



# ICT - Year 8



## Summer (Trinity) Term

What we are learning...	Consolidation	Deepen & Challenge
Vector graphics - what is a vector? Nodes and lines	<a href="#">Watch this video</a> on how to use Scratch vector drawing activity	More in depth vector quizzes/game <a href="#">quiz</a>
Designing vector graphics - combining shapes, adjusting nodes - cartoons	<a href="#">Try this free text tool</a> - enter some text and play with the settings to add 3D effects Or	If you have access to a graphics program on an iPad or tablet (or your phone), try creating your own company logo and using filters and effects. Perhaps you could redesign the school logo? <a href="#">Logo Maker</a>
Scams and Hacking	Design a poster to warn young people of the dangers of scams, phishing and malware.  If you are unsure of these keywords, make a keyword poster instead - write out each word and underneath, write a simple definition. You might find this site helps you: <a href="#">bite size</a>	Look on a news site such as BBC newsbeat, <a href="#">news report link</a> , and see whether you can find two different articles about scams. Make notes on -who was scammed -how they were caught out -what happened - eg. did they lose money? -what happened to the scammers?