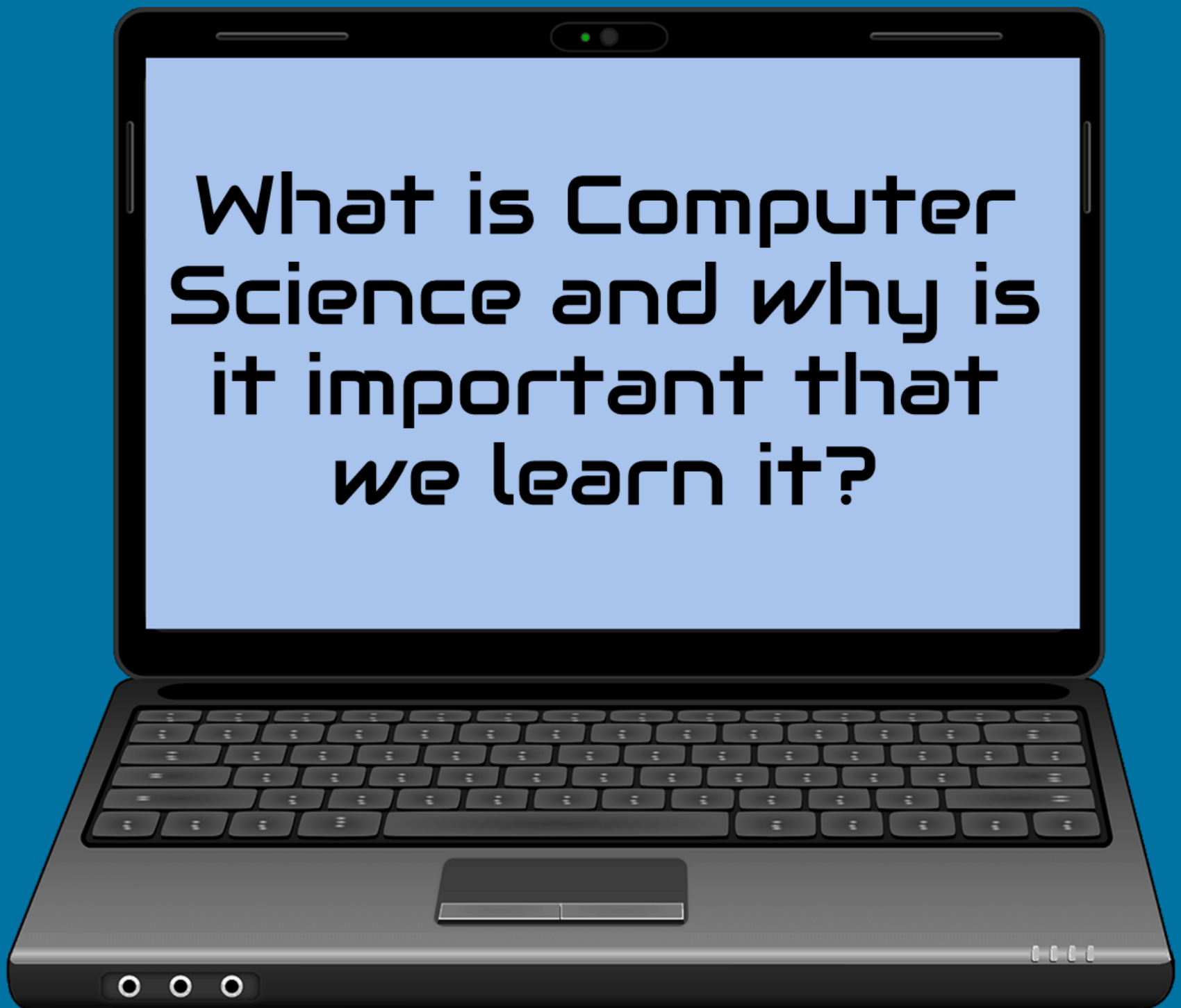


Computer Science



Computer Science is the study of how to manipulate, manage, transform and encode computers. There are many different areas of computer science.

Technology is all around us, and many of our day to day tasks require us to use technology. Learning computer science helps us to make our day-to-day lives easier.

Computer Science



What objects can you find that contain computers? Click on them to learn more.



<https://www.bbc.co.uk/bitesize/topics/zvsc7ty/articles/zc4x6sg>

Computer Science



Watch this video to learn how computers have changed?

How Computers Have Changed



<https://www.bbc.co.uk/bitesize/topics/zvsc7ty/articles/ztrq7ty>

Computer Science



Even after something has been invented, it is often improved. Watch this video to find out more!

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



Write a paragraph explain what technology has been improved. I have given the example of a phone. Why have they improved? Give your reasons as to whether you think it is a positive or negative difference that this form of technology has made.

Computer Science

Learn to create computer programmes and understand how computer networks work.



Computer Networks

A computer network is a group of two or more computers that are linked. It looks at how computers are connected and how the Internet and the WWW work.

Computational Thinking

Computational thinking involves solving problems effectively with or without a computer and thinking in a logical way.

Coding and Programming

Coding and programming use computational thinking to create computer programmes.

Information Technology



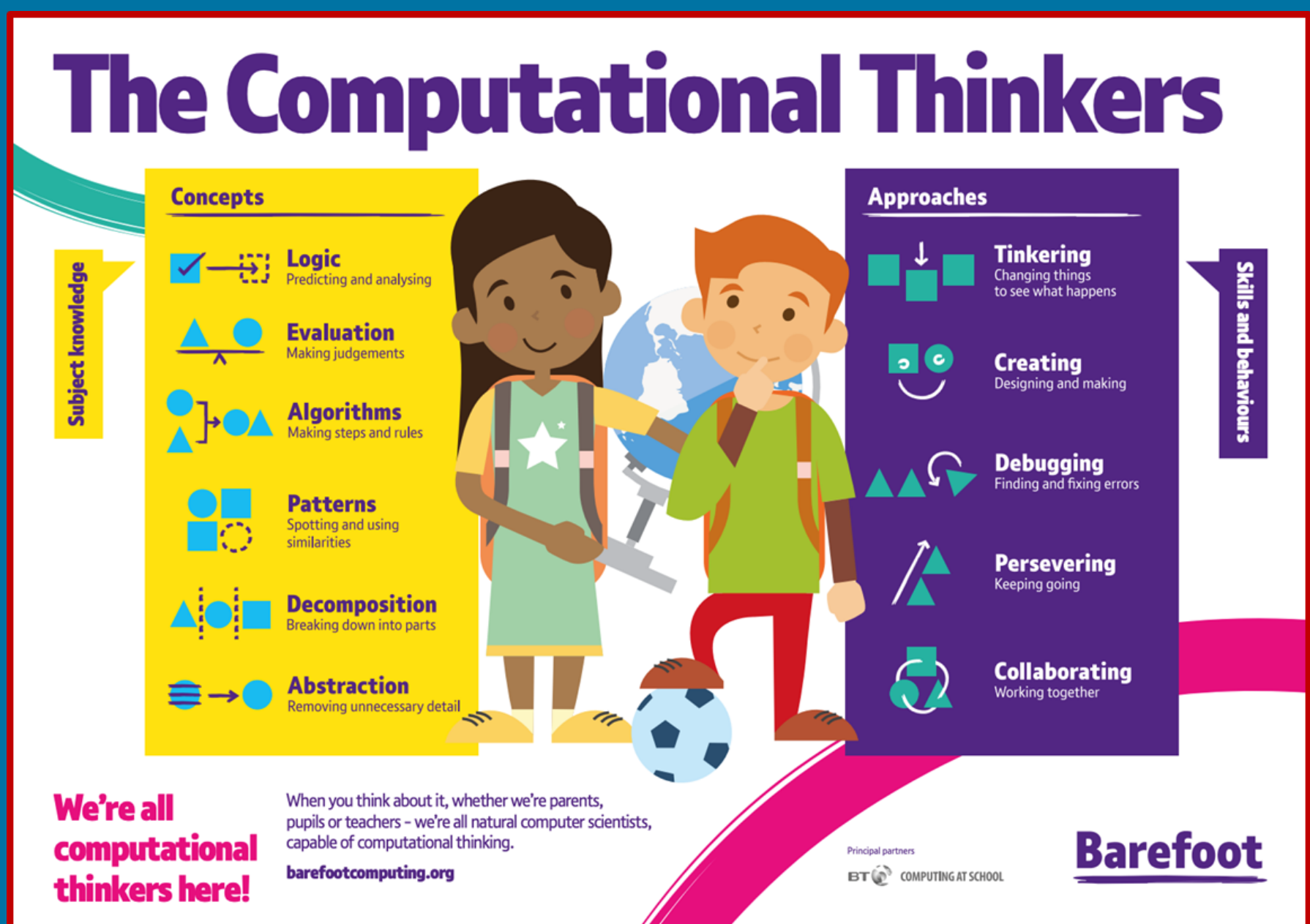
What's the difference between Computer Science and Information Technology (IT)?

Information Technology is **consuming** (taking in) technology. However, Computer Science is learning how to **create** technology.

Having a good understanding of computer science will also help you understand how Information Technology works – you will become a better technology user if you understand the science behind it!

Computational Thinking

Computers don't think (yet) so we have to approach computing in a way that makes sense to them.



You will learn how to approach coding (not to think like a computer...!)

You will learn lots of skills (some you use already without thinking about it).