



Edition 5  
December  
2025

# INFORMATION TECHNOLOGY

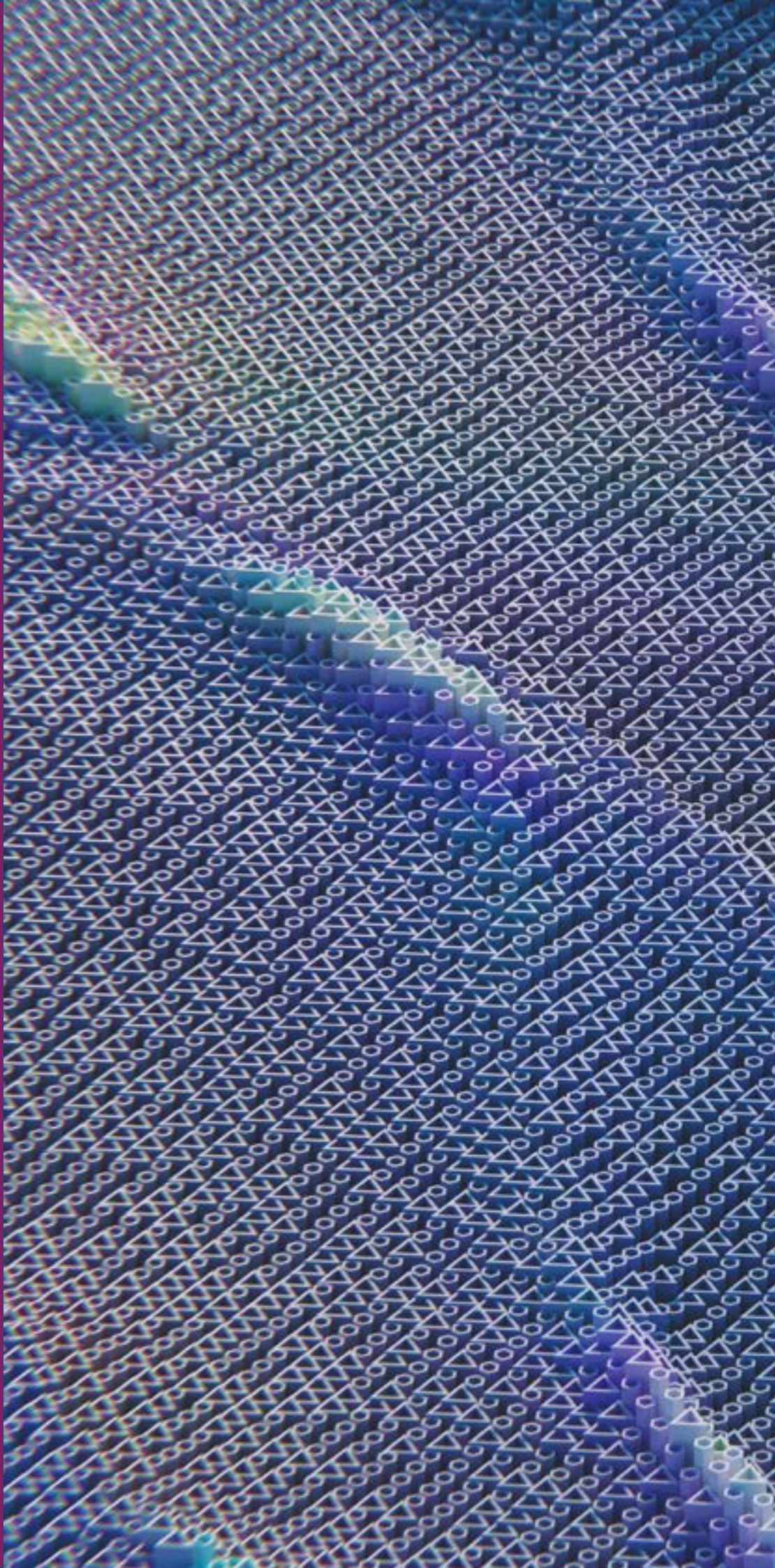
## Curriculum Newsletter

# YEAR 12

### Contact



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# Curriculum Intent

In Computing we aim to provide an engaging, challenging, well sequenced curriculum which is broad and balanced, covering a range of computing and ICT topics. We aim to develop our students into 21st Century Digital Citizens who are able to use digital technology safely and responsibly, and to teach students both how to use technology effectively, with an understanding of how it works.

We aim to engender a love of learning, self-belief and aspiration through 4 key intentions:

- The Removal of Barriers to Learning
- Developing Skills for Learning
- Developing Personal Attributes
- Enriching Student Experiences and Broadening their Horizons

The Computing and IT Department's core purpose is to deliver an engaging and challenging curriculum through outstanding teaching and learning. Our aim is for students to develop skills and knowledge in digital technologies and computer science, to prepare them for a future in a world where the use of this technology is fully embodied.

## Year 12 Curriculum

### Unit 1: Information Technology Systems

Students will study the role of Information Technology (IT) systems and the implications of their use in personal and professional situations. Students will gain knowledge and understanding of issues relating to the use of IT in personal and professional situations.

### Unit 2: Cyber Security and Incident Management

Students will study cyber security threats and vulnerabilities, the methods used to protect organisations against threats and managing security incidents.

### Unit 3: Website Development

Students will investigate fundamental principles in website development. They will design and develop a website in response to a client brief.

### Unit 4: Relational Database Development

Students will examine relational database development principles to understand the importance of data storage and normalisation techniques and apply their skills to design and develop data storage solutions to meet a client's requirements.



# Assessment Points

Pearson BTEC Level 3 National Extended Certificate in Information Technology

Unit 2: Creating systems to manage information. This unit is externally assessed through a task set and marked by Pearson. The set task will be completed under exam conditions. The set task will assess learners' ability to design, create, test and evaluate a relational database system to manage information. Students are regularly assessed through a series of BRAG tasks and mock exams. Unit 3: Using social media in business. This unit is internally assessed through two practical assignments where students explore the impact of social media on the ways in which businesses promote their products and services and develop a plan to use social media in a business to meet requirements and then implement the use of social media in a business following their plan. Students are regularly assessed through low stake retrieval practice quizzes, BRAG tasks, practice assignments and end of topic tests.

## Immerse Yourself

### KnowItAll Ninja

- ✓ Develop Skills
- ✓ Educational Games
- ✓ Computer Science Revision at home

### Pearson Revision Book

- ✓ Get Revising Quicker!
- ✓ Recommended Revision Source
- ✓ Study Support

These are some great educational tools to help students when revising.

If they are struggling with topics in lessons or want to enhance their learning in the classroom then these links are an ideal place to cover content at home.

## Test Your Knowledge...

Quizizz BTEC Information Technology questions are a fantastic way to memorise relevant terms to help you with your studies. Click on the icon below to start!



# Praise and Reward

Our rewards system can be broadly split into four categories: classroom level, subject level, school level and privilege rewards. We'll focus on classroom and subject rewards here - for more information about our rewards schemes, please see our website.

## CLASSROOM LEVEL REWARDS

Awarded for: working hard, taking risks and rising to a challenge, making mistakes and learning from them, helping others, and taking pride in the school community.

Rewarded by: praise postcards, positive phone calls to parents/carers, positive text messages home, and lesson-based prizes.

## SUBJECT LEVEL REWARDS

Reward scheme: Star of the Week, curriculum awards (Subject/School Way, participation, working with pride, embracing the whole curriculum), high flyer, extra mile, most improved.

Rewarded by: names displayed on reward boards, certificates, social media posts.

# Broadening Horizons

We aim to broaden horizons by introducing software tools that can be used for a wide range of purposes. Many of the tools introduced are free and available for students to use at home.

We ensure that students understand how software can be used in the real world, e.g. to plan an event or manage finances. We also introduce students to hardware and software that many students may not have access to outside of school, including Micro:bits, the Adobe suite, Microsoft Office, Chromebooks and PCs.



## How Social Media is Changing Businesses - TED

Austin Falter is a content creator and Founder of Falter Media, a short-form video marketing agency that generated 275 million organic views last year. As a speaker, consultant, and writer he helps businesses unlock the power of vertical videos and authentic content marketing. Click on the logo to watch!

## Find Apprenticeships - GovUK

You can search for any available apprenticeships that have a link to studying ICT. Remember, there are different levels of apprenticeship and with a degree level apprenticeship you will earn money rather than pay to study and will still gain a degree at the end. Click on the logo for more information!





## Careers

We run a series of 'Careers in the Curriculum' weeks in our school. For ICT, this week takes place in December. Students take part in a number of activities to encourage them to think about how what they learn in the classroom can be applied in a number of future careers including: IT Manager, Software Developer, Data Scientist, Web Developer and Information Security Analyst.

Click on the logo below for more information on career options in Computing!

The logo consists of the word "MYPATH" in a bold, white, sans-serif font, enclosed within a white rectangular border. This is centered on a solid black rectangular background.

## The Computing Way

The Computing Way is designed to help students become young subject specialists and has a key focus on the vital skills needed to achieve their full potential in this subject area.



Have your say! ✨

At WPT we're always looking for feedback. If you have any thoughts/opinions on this Curriculum Newsletter, its content or the curriculum in general, please click on the title to fill out a short feedback form.