



# INFORMATION TECHNOLOGY (SINGLE AWARD)

**IN THIS MODERN DIGITAL AGE, THERE IS A SIGNIFICANT DEMAND FOR PEOPLE WITH A ROBUST KNOWLEDGE OF HOW INFORMATION TECHNOLOGY CAN BE INTEGRATED AND USED. THIS COURSE WILL EXPLORE A VARIETY OF TOPICS, FROM THE RELATIONSHIP BETWEEN HARDWARE AND SOFTWARE, TO MANAGING AND PROCESSING DATA AND USING IT TO COMMUNICATE AND SHARE INFORMATION. WHICH CAN BE USED TO ACCESS UNIVERSITY OR EMPLOYMENT.**

## TOPICS YOU'LL COVER

### YEAR ONE

- Creating systems to manage information
- Using social media in business

### YEAR TWO

- Information technology systems
- Website development.

## ASSESSMENT

The course has a mixture of assessment methods. This includes written exams, controlled assessments, and externally and internally assessed units.

## ENTRY REQUIREMENTS

At least five GCSEs at grade 4 or above, including English Language and Maths.

## PROGRESSION POSSIBILITIES

**CAREERS:** Software developer, web/content developer, mobile apps designer, games designer, programmer and IT/business analysis support.

**UNIVERSITY STUDY:** Business Information and Technology, Digital Technology Solutions, Computer Games Technology, Creative Technology, Information Technology Management for Business, Computing Forensics, Computer Networks and Security.

## SKILLS DEVELOPED

- Independent learning
- Analysis and evaluative skills
- Research skills
- Team work
- Presentation skills
- Problem-solving - creative thinking
- Critical thinking
- Communication skills

## ENRICHMENT OPPORTUNITIES

The IT department work closely with the University of Winchester and students will have the opportunity to visit and complete potential projects there.

Students can also get involved in a regional robotics competition hosted by the University of Southampton.

Students will also have the opportunity to take part in an educational visit to New York in their second year.

## QUALIFICATION

**BTEC EXTENDED CERTIFICATE**

## LEVEL

**LEVEL 3**

## CURRENT EXAM BOARD

**PEARSON**

## CURIOS ABOUT... INFORMATION TECHNOLOGY?



Read 'Elon Musk: Tesla, SpaceX, and the Quest for a Fantastic Future' by Ashlee Vance



Watch 'The Internet Revolution and Digital Future Technology Documentary 2018' on YouTube <https://youtu.be/V9xZFZ07UbA>

**Disclaimer:** Information in this course leaflet is for September 2021 entry and is accurate at time of printing. All information provided is subject to change and may be updated during the academic year. Courses offered by the College are subject to change and are reviewed on an annual basis.



**RICHARD  
TAUNTON**  
Sixth Form College

# INFORMATION TECHNOLOGY (DOUBLE AWARD)

**IN THIS MODERN DIGITAL AGE, THERE IS A SIGNIFICANT DEMAND FOR PEOPLE WITH A ROBUST KNOWLEDGE OF HOW INFORMATION TECHNOLOGY CAN BE INTEGRATED AND USED. THIS COURSE WILL EXPLORE A VARIETY OF TOPICS, FROM THE RELATIONSHIP BETWEEN HARDWARE AND SOFTWARE, TO MANAGING AND PROCESSING DATA AND USING IT TO COMMUNICATE AND SHARE INFORMATION.**

## TOPICS YOU'LL COVER

### YEAR ONE

- Information technology systems
- Creating systems to manage information
- Using social media in business
- Programming.

### YEAR TWO

- Data modelling
- Website development
- IT project management
- Cyber security and incident management.

During the two years you will also be required to secure and undertake course-related work experience.

## ASSESSMENT

The course has a mixture of assessment methods. This includes written exams, controlled assessments, and externally and internally assessed units.

## ENTRY REQUIREMENTS

At least five GCSEs at grade 4 or above, including English Language and Maths.

## PROGRESSION POSSIBILITIES

**CAREERS:** Software developer, web/content developer, mobile apps designer, games designer, programmer and IT/business analysis support.

**UNIVERSITY STUDY:** Business Information and Technology, Digital Technology Solutions, Computer Games Technology, Creative Technology, Information Technology Management for Business, Computing Forensics, Computer Networks and Security

## SKILLS DEVELOPED

- Independent learning
- Analysis and evaluative skills
- Research skills
- Team work
- Presentation skills
- Problem-solving - creative thinking
- Critical thinking
- Communication skills

## ENRICHMENT OPPORTUNITIES

The IT department work closely with the University of Winchester and students will have the opportunity to visit and complete potential projects there.

Students can also get involved in a regional robotics competition hosted by the University of Southampton.

Students will also have to opportunity to take part in an educational visit to New York in their second year.

## QUALIFICATION

BTEC DIPLOMA

## LEVEL

LEVEL 3

## CURRENT EXAM BOARD

PEARSON

## CURIOS ABOUT... INFORMATION TECHNOLOGY?



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