

Welcome to

# Computing, IT & Business



## What will you learn about in Computing, IT and Business?

The department has 6 dedicated computer classrooms equipped with modern technologies and a large range of software. Our teaching spaces offer room for practical activities and theory based work. We also have a range of additional hardware to support practical and investigatory style work, this includes: Micro:Bits; Kitronik; MOVE & Marty Robots; Spheros and much more! As part of the KS3 curriculum, students will study:

- Programming: Taking block programming from Scratch to EduBlocks to textual programming language such as Python, students get many opportunities to develop their computational thinking and programming skills.
- How computers Work: From binary to some of the more complex workings of inside the PC.
- Algorithms: How to create algorithms and apply this to solving real life problems.
- Viruses: Students will learn through cryptography how files are encrypted from hackers.
- 3D design: Students will learn how to create models and follow a client brief
- Website and app design

We offer a wide range of clubs, including the only official 'Girls who Code' club in Worthing schools and a busy program of external trips for our students and have strong links with local and national business and organisations. At key stage 4, students can pick 3 different GCSE option choices in the department. We currently offer GCSE business, BTEC Digital IT and GCSE computer science.

## Why is it so important to study computer science, business and IT?

Whether a child grows up to be a programmer, a future business leader or a web designer or not the skills within this subject area centre around, creativity, problem-solving, communication and challenge students to think differently. Which can be applied in many other contexts. Careers in computing, digital creativity and gaming are forever growing and students benefit from seeing the clear link between this subject and the future job market.

## GCSE Results 2020

| Name             | Entries | 9 - 4 % | 9 - 5 % | 9 - 7 % |
|------------------|---------|---------|---------|---------|
| Computer Science | 52      | 100 %   | 100 %   | 48%     |
| Business Studies | 17      | 100 %   | 100 %   | 47%     |

| Name                           | Entries | 2D* - 2D % | 2D* - 2P % |
|--------------------------------|---------|------------|------------|
| Digital Information Technology | 36      | 22%        | 75%        |

| Name                | Entries | A* - A % | A* - C % |
|---------------------|---------|----------|----------|
| Financial Education | 28      | 21%      | 100%     |

## Department Leadership



**Claire Taylor**

Director of IT, Business & Computing

ctaylor@durring.com

**“My favourite part is designing on the computers.”**

**Robyn, year 9**