S2 Computing Science

Course Information

Course Content





Animation











Game Design



Database



Resources



- S2 Notes Booklet
- Homework booklet now online and available through Microsoft Teams
- Teams for each class
- Interactive presentations in glow
- Tutorial booklets and online videos
- Most Software can be downloaded and used at home on a PC:
 - Office 365(install through GLOW)
 - Construct 2 for Game Design
 - Visual Studio Express from Microsoft site

Timelines

- Issued to all pupils at start of the year
- Electronic copy available from Departmental Website and GLOW
- What is in a timeline?
 - Topic and breakdown of what is taught on a period by period basis
 - Written Assessment Dates (November and March)
 - Graded Homework Dates (every 3 weeks)



Forms of assessment



- 2 written tests to assess knowledge and understanding and problem solving
- 4 projects / investigations to assess practical skills and problem solving
 - ► Hardware Project recommend hardware required to solve a real life problem with reasons
 - Safety and Security Website Design and create a website on cyber security with animations created by the student
 - Games Design Create a game and create and edit appropriate media
 - Scotland's Got Talent Programming based task to create a voting system for a TV show

Skills developed

- Problem Solving (programming, game design, hardware selection)
- Critical Thinking (all units)
- Creativity (website, animation, programming)
- Planning and organising technological activities
- Teamwork
- Presentation

Additional support



- ► ICT3 open at 8.00 for pupils to work on any project or use computers for other subjects.
- Websites BBC Bytesize & GLOW
- Most software available at home.
- Use of S6 tutors to support pupils when available.
- Homework and test dates given in advance.
- ► Teachers available before school and lunchtimes to answer questions.

Third year and beyond



- Follow a Broad General Education to feed into National courses (1 to 5)
- Most pupils will start a National 5 course and only move to National 4 if there is overwhelming evidence.
- Higher Computing Science
- Advanced Higher Computing Science
- NPA Computer Games Development
- NPA Cybersecurity

What can pupils do at home?



- Read over their notes on a regular basis.
- Prepare for tests and homeworks (use timeline).
- Enhance practical skills.
- Investigate aspects of technology through their daily use of IT.

Additional Information

- International Game Jam
- EGX Trip
- Cyberskills competition
- BAFTA YGD