

Computer Science Curricular/Extra Curricular Enrichment Programme

2024-2025

The curricular enrichment programme at All Hallows Catholic College is designed to complement the academic curriculum, ignite a spark, encourage students to try something new and extend their aspirations and interests beyond the classroom. These opportunities help form students spiritually, socially and emotionally so they can grow in maturity and self-confidence.

| Termly Activities | Activity | Target Group | Student Development | Student Take up |
|--------------------------|--------------------------------------|---------------------|---|------------------------------|
| Term 1 | The CyberFirst Girls' Competition | Year 8 | The CyberFirst Girls' Competition provides a fun but challenging environment to inspire the next generation of young women to consider a career in cyber security. Aim to develop a further interest in cyber security and IT careers. | 10 |
| | Girls Only Cyber Security Trip | Year 9 | Aim to develop a further interest in cyber security and IT careers. | 30 |
| | Compete With Code Coding Competition | Years 10 to 13 | Compete in coding challenges against 140+ schools in the UK | 60 + (open to non GCSE also) |
| Term 2 | STEM - Apps for good | Year 7 | Design and create an app prototype that supports climate action. | Open to whole school |
| | STEM – Future world | Year 8 | From what we wear, how we get out energy and even what we eat – there's always room for innovation. | 20 |
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| Term 3 | Hour of Code | All year groups | Students in 180+ countries have joined together in 50+ languages for the Hour of Code! Aim is to complete as many activities as possible this term. | TBC |

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| | AstroPi Competition | Year 9+ | Create a computer program to be run on the International Space Station. Write a message to be read out by Astronauts. | 20 |
| Weekly Activities | | | | |
| When? Where? | | | | |
| After school each Monday F11 3:15 to 4.00pm | GCSE revision | Years 11 | Students revising GCSE topics on a rota of theory on Red week and programming practice on Blue week. | 5-10 typically |
| F11 breaktimes when available | A-level drop-in | Year 12 & 13 | Students working on theory or coding | Up to 20 students |
| F10 Red Wednesdays Year 7 & 9 First lunchtime F10 Blue Wednesdays Year 8 Second Lunchtime | Girls Only Computing Club | Year 7 & 8 | Coding challenges and cybersecurity competitions. | 15 |
| F11 Blue Thursday Lunchtimes (both weeks) | DofE Drop in sessions | Year 9, 10 & 12 | Work on DofE skills, preparation for expeditions and other program tasks. | 10 |
| Wednesdays F11 or F10 3.14 - 4.00pm | Minecraft Club | Year 7+ | Students collaborate via Minecraft Worlds. | 10-20 |
| Run online on various dates throughout the year. | GCSE and A Level Computer Science webinars | Year 10/11/12/13 | Livestream events are for students who would like an in-depth knowledge of concepts studied at GCSE and above. Each session gives a chance to try out the materials available from Isaac Computer Science. All guest presenters are experienced GCSE and A level teachers. Aim to further enhance knowledge of challenging topics on the course. | TBC |

