



Intent

'Program like a Computer Scientist'

The Computing curriculum at St Aloysius' offers a broad and engaging curriculum with God at the centre, reflecting on prior knowledge and putting learning in the context of extending their own knowledge and growing closer to God.

Key knowledge and skills objectives are structured from Early Years to Year 6 with a focus on building upon prior knowledge and developing our pupils to 'programme like a Computer Scientist'.

History topics are introduced to pupils through weekly questions. Prior knowledge of the topic is elicited and then pupils are given opportunities to practice and deepen their Computing knowledge.

Implementation

Staff have worked collaboratively to review the Creative Catholic Curriculum and ensure progression of knowledge and skills and coverage of National Curriculum objectives. This is mapped out in the whole school integrated units and in whole school overviews referring to the National Curriculum objectives.

The Computing subject leader has created knowledge and skills progression maps for the subject area. These are central to the planning process and form the basis of Computing topic overviews and knowledge organisers. These documents outline the termly key questions and vocabulary, which are shared with parents at the start of each topic. Key vocabulary is displayed in the classroom and referred to in lessons.

Teachers plan creative and engaging lessons following the ICT 123 scheme which focuses on knowledge and skills in the Computing National Curriculum. These skills include use of technology safely and design, write and debug programs. This is mapped in the progression document for their year group.

Where possible, teachers plan for visits and visitors to enhance the Computing curriculum provision and to provide real-life experiences for pupils. Work is recorded digitally through a variety of different programs. Where appropriate, key vocabulary and knowledge is revisited through 'retrieval and practise tasks' and at the beginning of subsequent lessons.

Impact

At the end of each Computing topic, children showcase their knowledge and skills covered from the area. This can include a presentation, leaflet and working animation. Teachers use this and their formative assessment throughout the unit to give a judgement of 'working towards', 'expected' or 'greater depth' for the knowledge and skills demonstrated across the unit.

The Computing subject leader and senior leaders monitor the data provided. They also look at topic overviews and knowledge organisers and the yearly skills progression maps to ensure coverage of skills and knowledge.