Laindon Park Primary School & Nursery

Statement of Intent Computing

Key Skills

Presenting Information and Multimedia

Data

Programming and Algorithms

Purpose of Study

At Laindon Park Primary School & Nursery we aim to deliver a high-quality computing education that equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both artificial and natural systems. Core skills in the curriculum, teach the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate, able to use, and express themselves and develop their ideas through, information and communication technology, at a suitable level for the future workplace and as active participants in a digital world.

Laindon Park Primary School & Nursery pupils are taught to be responsible, competent, confident and creative users of a variety of hardware and software. They can analyse and solve problems and use this when working with programs and algorithms. They understand how the internet works and are discerning about search results. By the end of their school career, pupils will be able to apply their digital literacy skills to create, save and retrieve content across a number of technologies. They will make connections with other areas of learning and understand the importance of technology in the wider world.

Laindon Park Rationale:

- Objectives across all strands of computing revisited and embedded within and across year groups and key stages to ensure cumulative fluency;
- Pupils make connections between and across curriculum areas and apply this understanding to a range of purposeful, engaging and practical contexts;
- Development of critical thinking and problem-solving skills helps to develop pupils' character.

Internet Safety

Usage of E safety encompasses internet technologies and electronic communications such as mobile phones and wireless technology. At Laindon Park we have highlighted the need to educate children about the benefits and risks of using new technology and we have provided safeguards and awareness for users to enable them to control their online experiences.

It is impossible to eliminate all risks completely. Laindon Park Primary considers it is therefore essential, through good educational provision to build pupils' resilience to the risks to which they may be exposed, so that they have the confidence and skills to face and deal with these risks.