

COMPUTING

INTENT, IMPLEMENTATION AND IMPACT

Intent

At IJDS, through our computing teaching, we aim to give all children a basic knowledge and understanding of some of the technologies in use today. Our pupils are aware of the opportunities provided by technologies such as tablets, computers and smartphones and consequently we intend to teach them how to put these to good use, safely and with confidence.

Implementation

Teaching of IT is mainly through themed weeks during the year, linked to national and international events as far as possible. Alongside this, pupils are using technology almost daily throughout the school in order to support their teaching and learning.

National Curriculum Content	School Based Themed Week	National Link
Computer Science	Coding	Hour of code
Digital Literacy	E-Safety	Safe Internet Day
Information Technology	Publishing & Communicating	Reports & traditions

Pupils at IJDS will learn;

- to analyse problems in computational terms with repeated practical experiences of writing computer programs to solve such problems.
- understand the fundamental principles and concepts of computer science, logic representation and algorithms.
- to evaluate and apply information technology analytically to solve problems.
- to use information technology to communicate in a way that is responsible, safe, competent, confident and creative.

EYFS

Computing is taught through “understanding of the world”. Knowledge is developed by building on the natural curiosity of pupils and fascination for the environment and world around them.

Children select and use technology for particular purposes, know that information can be retrieved, use ICT hardware and complete simple programs.

KS1-KS2

Pupils access informal technology on a regular basis, using it for research or publication purposes, as well as to enhance learning and as a communicative tool.

Further learning takes place during themed weeks allowing for a greater focus on specific areas.

Coding week allows children to build on their logic skills and design programs of different complexities, and evaluate their results.

Online safety week focuses on communicating safely and using the internet responsibly. Children are encouraged to ask questions, how to keep themselves and their peers safe and how to report concerns.

Publishing week allows our pupils to use and apply the skills they have been taught to communicate a piece of information about themselves and the school. They are encouraged to make careful choices depending on the purpose of the audience.

IMPACT

Impact of compulsory teaching and learning is seen in the confidence and ability the pupils have to use technology safely.

Finding the right balance with technology is key to an effective education and a healthy life-style. We feel the way we implement computing helps children realise the need for the right balance and one they can continue to build on in their next stage of education and beyond.

We encourage regular discussions between staff and pupils to best embed and understand this. The way pupils showcase, share, celebrate and publish their work will best show the impact of our curriculum.

We also look for evidence through reviewing pupil's knowledge and skills digitally through tools like Google Drive.