



# Computing

## Intent

At St Augustine's we believe that through the study of Computing, children will be able to develop a wide range of fundamental skills, knowledge and understanding that will actually equip them for the rest of their life. Our aim is to provide a high-quality computing education which equips children to use computational thinking and creativity to further develop their skills in the wider world. The curriculum will teach children key knowledge about how computers and computer systems work, and how they are designed and programmed.

## Implementation

At St Augustine's, Computing is taught through the TeachComputing Scheme designed by the National Centre for Computing Education. The content of the Curriculum has been created by subject experts, based on the latest research.

Lessons will focus on the following key areas:

Computer Systems and Network

Creating Media

Data and Information

Programming

Here are some of the topics that will be covered:

### **Computer Systems and Networks**

#### **Year 1: Technology around us**

Here are some examples of technology



#### **Year 2: IT around us**

All of these...

are computers  
or  
have a computer inside  
or  
work with computers



#### **Year 3: Connecting Computers**

Input or output?



#### **Year 4: The Internet**

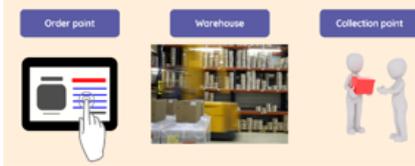
What's on a website?

Have a look at this website. What can you see on it?



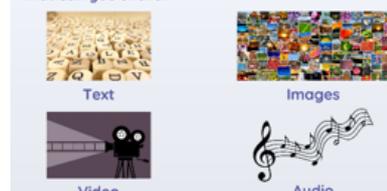
#### **Year 5: Sharing Information**

Catalogue store



#### **Year 6: Communication**

What can you share?



In order to adapt the scheme to best fit the needs of our children, we are also using [Purple Mash](#) within school, especially in EYFS, as a base for skills that are then built on using familiar programmes such as Microsoft Word, PowerPoint and Google. Revisiting and revising topics, alongside opportunities to develop skills across different subjects, are built into the Computing curriculum at St Augustine's. All children have hourly timetabled sessions for the development of ICT skills, as well as the use of laptops, iPads and other hardware such as videos cameras.

Termly E-Safety lessons ensure that children are aware of rules to follow for using the Internet and procedures to keep safe online.

## Intended Impact

When children leave St Augustine's CE (VA) School they will be able to work with confidence across a number of areas of Computing. Children will have developed the knowledge, skills and understanding to help them access and use a range of technology in a safe and creative way. Children will have developed skills that equip them to be proficient users of technology throughout their lives.