St. Peter's CE Academy Curriculum Long Term Plan
Subject: Computing
'Alan Turing gave us a mathematical model of digital computing that has completely withstood the test of time. He gave us a very clear description that was truly prophetic.'

Intent:

Our computing curriculum will equip our children to use computational thinking and creativity to understand and change the world. It has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. They will be taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming.

Subject curriculum planning and resource weblinks:

https://teachcomputing.org/resources

https://www.microsoft.com/en-gb/education

Implementation:

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 3	Computing Systems and Networks – Connecting Computers	Creating Media – Desktop Publishing	Creating Media – Stop Frame Animation	Data and information- Branching databases	Programming A – Sequence the Music	Programming B- Events and actions
Year 4	Computing Systems and Networks – The Internet	Creating Media – Audio Editing	Creating Media – Photo Editing	Data and information- Data Logging	Programming A- Repetition in shapes	Programming B- Repetition in games
Year 5	Computing Systems and Networks – Sharing Information	Creating Media – Vector Drawing	Creating Media – Video Editing	Data and information- Flat-file databases	Programming A- Selection in physical computing	Programming B- Selection in quizzes
Year 6	Computing Systems and Networks – Communication	Creating Media – 3D Modelling	Creating Media – Web Page Creation	Data and information- Spreadsheets	Programming A- Variables in games	Programming B- Sensing