



West Tyne Church Schools Federation

Computing Long Term Plan



Reception

- Identify everyday technology: links to technology at home.
- Make marks on a digital device to communicate their ideas e.g. on IWB.
- Use a package to produce a picture on screen.
- Control a programmable toy - talk about how everyday technology is controlled.
- Know that ICT may be used to communicate information electronically.
- Know that digital devices can present information in a variety of ways.
- Navigate their way around an iPad, understanding the basic functions
- Interact with multimedia software - children send a video to parents on

Year 1/2 Cycle A

Esafety—see additional plan

Information Technology around us

Rainforest Coding

Robot Algorithms

Pictograms

Digital Music

Year 1/2 Cycle B

Esafety—see additional plan

Technology Around Us

Rainforest Coding

Moving a Robot

Grouping Data

Digital Writing

Year 3/4 Cycle A

Esafety—see additional plan

Connecting Computers

Rainforest Coding

Desktop Publishing

Data Logging

Rainforest Coding

Year 3/4 Cycle B

Esafety—see additional plan

The Internet

Rainforest Coding

Branching Databases

Repetition in Shape

Photo Editing

Year 5/6 Cycle A

Esafety—see additional plan

Communication and Collaboration

Rainforest Coding

Webpage Creation

Introduction to Spreadsheets

3D Modelling

Year 5/6 Cycle B

Esafety—see additional plan

Vector Drawings

Rainforest Coding

Flat File Databases

Sharing Information

Variables in games



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ESafety Long Term Plan



Reception

Know how to be a responsible digital citizen

tell an adult if they see something on a digital device that upsets them

know not to give out any Information about themselves

know that not everything they see on the internet is true

Year 1/2 Cycle A

Know that personal information should not be shared online

Act if they find something they are unsure of (including identifying people who can help)

Recognise advertising on websites and learn to ignore it

Begin to evaluate websites and know that everything on the internet is not true

Year 1/2 Cycle B

Know and describe the SMART rules for keeping safe online.

Give advice to others for a variety of online problems.

Know that personal information should not be shared online

Understand that online competitions and emails from those we don't know could have harmful content.

Year 3/4 Cycle A

Recognise that cyber bullying is unacceptable and will be sanctioned accordingly

Understand the need or caution when using an internet search

Understand the school's Acceptable Use Policy.

Recognise the difference between the work of others which has been copied (plagiarism)

Know what to do if they find an unsuitable image

Year 3/4 Cycle B

Know and describe the SMART rules for keeping safe online.

Give advice to others for a variety of online problems.

Understand the term 'fake news' and the consequence of this.

Appreciate how individuals and firms can collect information about you for their own financial gain.

Year 5/6 Cycle A

Independently, select and use appropriate communication tools to solve problems

Understand they shouldn't publish other people's pictures or tag them without permission

Know that content put online is extremely difficult to remove and can have consequences.

Understand what consequences using social media and messaging can have on self and others

Year 5/6 Cycle B

Understand how social media can be used effectively and what to do if it is used in a harmful way.

Understand that some malicious adults may use techniques to make contact/ elicit personal information

Understand that some material on the internet is copyrighted and may not be copied/downloaded

Know the risks of using internet tools and understand how to minimise those risks (scams and phishing)