

# Computing

Subject: Computing  
 Year group: 5/6  
 Cycle: B Autumn  
 Focus:  
 Systems and Networks  
 Communication

## Intent

At Hady Primary School, the children have access to an engaging and inspiring computing curriculum that equips pupils with the essential skill of computational thinking. Children are provided with the opportunity to develop their creativity through the use of a wide range of programs and applications that make deep links with mathematics, science and design and technology. At Hady, children immerse themselves into the world of computer science through first hand use of chrome books, iPads and interactive whiteboards.

### Specific Knowledge

#### Key Vocabulary

Word	Definition
Data	A letter, word, number etc. that has been collected for a purpose,
Collaboration	A situation in which multiple parties converge toward a common goal
Communication	The exchange of information between two or more things
Packets	When information is being sent from one computer to another it is broken down into small bits of data called 'packets'
Protocols	In networking, a protocol is a set of rules for formatting and processing data
Router	A device that manages the flow of data between computer networks

### Enabling Knowledge

- To explain the importance of internet addresses
- To recognise how data is transferred across the internet
- To explain how sharing information online can help people to work together
- To evaluate different ways of working together online
- To recognise how we communicate using technology
- To evaluate different methods of online communication

### How do previous questions/topics link to the current topic?

- Children will have an understanding of computer systems and how information is transferred.
- Children should explain the input, output, and process aspects of systems
- Children know about WWW and search engines



## Online Safety

### Self-Image and Identity

Shaping online identities and how media impacts on gender and stereotypes

### Online Reputation

Relationships and behaviours that may lead to harm and how positive online interaction can empower and amplify voice.

**Assessment— What happens when data is transferred over the internet? What happens when a packet reaches its destination? What is collaboration online?**