

COMPUTING

INTENT

Through our computing curriculum, we believe that technology can provide: enhanced collaborative learning opportunities; better engagement of pupils; easier access to rich content; support conceptual understanding of new concepts and can support the needs of all our pupils.

We aim to:

- Enthuse and equip children with the capability to use technology throughout their lives.
- Instill critical thinking, reflective learning and a 'can do' attitude for all our pupils, particularly when engaging with technology and its associated resources.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Equip pupils with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others.
- Utilise computational thinking beyond the Computing curriculum.

Through him all things were made; without him nothing was made that has been made. In him was life, and that life was the light of all mankind. The light shines in the darkness, and the darkness has not overcome it. John 1:3-5

Year 6

- Know the benefits and risks of mobile devices broadcasting the location of the user/device.
- Know how to identify secure sites by looking for privacy seals of approval.
- Know the benefits and risks of giving personal information.
- Know the meaning of a digital footprint.
- Know appropriate online behaviour.
- Know how information online can persist.
- Know the importance of balancing game and screen time with other parts of their lives.
- Know the positive and negative influences of technology on health and the environment.

Year 5

- Know the impact that sharing digital content can have.
- Know how to review sources of support when using technology and their responsibility to one another in their online behaviour.
- Know how to maintain secure passwords.
- Know the advantages, disadvantages, permissions and purposes of altering an image digitally and the reasons for this.
- Know the impact of sharing appropriate and inappropriate text, photographs and videos online.
- Know how to reference sources in their work.
- Know how to check the validity of a source and understand the impact of incorrect information.

Year 4

- Know how to protect themselves from online identity theft.
- Know that information put online leaves a digital footprint or trail and that this can aid identity theft.
- Know the risks and benefits of installing software including apps.
- Know that copying the work of others and presenting it as their own is called 'plagiarism' and to consider the consequences of plagiarism.
- Know appropriate behaviour when participating or contributing to collaborative online projects for learning.
- Know the positive and negative influences of technology on health and the environment.
- Know the importance of balancing game and screen time with other parts of their lives.

Year 3

- Know what makes a safe password.
- Know methods for keeping passwords safe.
- Know how the Internet can be used in effective communication.
- Know how a blog can be used to communicate with a wider audience.
- Know to consider the truth of the content of websites.
- Know the meaning of age restrictions symbols on digital media and devices.
- Know different methods of communication.
- Know how to use email safely, including how to add an attachment and respond using an address book.

Year 2

- Know how to refine searches using the Search tool and the terminology associated with searching.
- Know how to share work on Purple Mash to communicate and connect with others locally.
- Know how to stay safe when sharing content more globally on the Internet.
- Know that emails can be used as a way to communicate with others electronically.
- Know how we should talk to others in an online situation.
- Know how to send simple online communications in the form of email.
- Know that information put online leaves a digital footprint or trail.
- Know what steps can be taken to keep personal data and hardware secure.

Year 1

- Know how to log in safely.
- Know how to find saved work in the Online Work area and find teacher comments.
- Know how to search Purple Mash to find resources.
- Know how to open, save and print.
- Know the importance of logging out.
- Know where technology can be found outside of school.

F2

- Know how to use the internet, with adult assistance, to find and retrieve basic information of interest to them.
- Know the importance of gaining adult permission prior to accessing technology.
- Know that the internet is useful for a variety of different purposes.
- Know the importance of only accessing age-appropriate apps under the supervision of an adult.



Safety

End of Key Stage Outcomes

Concepts	<i>Safety</i> <i>Steps to ensure that we keep ourselves, our personal information and our work safe when working on our devices and online.</i>
EYFS	Use online activities with the support and permission of adults. Ask adults before sharing information about themselves online.
KS1	Know that people sometimes behave differently online. Understand the interconnected nature of the internet and how sharing information can be a good thing, but must be done so with boundaries to keep us safe.
KS2	Understand their responsibilities as a digital citizen. Recognise risk by thinking critically about the information they read online and the information they share with others (e.g. through social media, apps and games).