**Computing Curriculum: End of year expectations for year 3**

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|  | E-safety | Programming | Handling Data | Multimedia | Technology in our Lives |
| Pupils should be taught to: | To contribute towards shared rules and use them to make good choices when I use technology.  To describe ways that people get bullied when they use different technologies and consider what I post.  To think about whether I can use images that I find online in my own work.  To use search tools to find appropriate information and decide whether I can trust it.  To use the safety features of websites as well as reporting concerns to a trusted adult.  To use a secure password and explain why they are important.  To protect my personal information when I do different things online.  To participate safely and responsibly in a secure online community.  To ask a trusted adult before downloading files and games from the internet.  To identify images which have been digitally altered.  To explain how I feel when someone responds to something I have shared online.  To use age-appropriate apps, games and websites from a list I have agreed with others.  To make good choices about when and why I use devices.  To identify adverts online, including those within Google searches. | To break an open-ended problem into smaller parts.  To put computing commands into a sequence to achieve a specific outcome.  To keep testing my program and recognise when I need to debug it.  To use repeat commands.  To describe the algorithm I will need for a simple task.  To detect a problem in an algorithm which could result in unsuccessful programming. | To talk about the different ways data can be organised.  To search a ready-made database to answer questions.  To collect data to help me answer a question.  To add a database.  To make a branching database.  To use a data-logger to monitor changes and talk about the information collection. | To create different effects with different technology tools.  I can combine a mixture of text, graphics and sound to share my ideas and learning.  To use appropriate keyboard commands to amend text on my device, including making use of a spell checker.  To evaluate my work and improve its effectiveness.  To use an appropriate tool to share my work online. | To save and retrieve work on the internet, the school network or my own device.  To talk about the parts of a computer.  To tell you ways to communicate with others online.  To describe the world wide web as the part of the internet that contains websites.  To use search tools to find and use an appropriate website.  To think about whether I can use images that I find online in my own work. |
| Resources: | Class and Key stage assemblies to help ensure coverage with follow-up lessons and activities.  [www.thinkyouknow.co.uk](http://www.thinkyouknow.co.uk/)  [E-safety for schools | NSPCC Learning](https://learning.nspcc.org.uk/research-resources/schools/e-safety-for-schools/)  <https://www.internetmatters.org/schools-esafety/primary/>  <https://www.saferinternetday.org/>  <https://www.childnet.com/resources/safer-internet-day> | Scratch Junior  Ozobots - Ozoblocky  Hour of code | Microsoft Excel  Flexi tree  Fit bits  Data loggers | Microsoft Word  Microsoft PowerPoint  Clicker (SEN)  Microsoft 365 (One Drive) | Microsoft 365 (One Drive)  Class blog linked to school, website.  Interactive whiteboard  Laptops  I Pads  Visitors to discuss technology uses. |