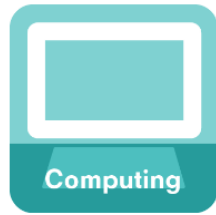# WELCOME TO:

<u>Computing</u>

At Monkwick Infant and Nursery school we know that the digital world is ever developing, due to this we believe that it is essential that we develop the children's knowledge and understanding to prepare them for the ever changing digital world we live in. We aim to provide our children with the highest quality lessons, and school activities. Through our high-quality lessons, we can also build children's resilience and help to embed our school ethos of 'we respect, we achieve and we learn.'

Our curriculum for Computing is broken down in five areas; key skills, code, connect, communicate and collect. Through these the pupils are taught the skills to enable them to be digitally literate.

Computing

Which skills will your child be covering?

How can you help your child?

What our children say about Computing!

 CONTENTS

Which skills will your children be covering?

Year Group	Key Skills	Code	Connect	Collect	Communicate
2 Year old Nursery	N/A	N/A	N/A	N/A	N/A
3 Year old Nursery	Children to experience real life objects in and around the nursery to experience uses for, phones, keyboards, CD players etc..	Within the setting have a range of resources and toys that have a response. For example, a pop up toy. Children to have a basic understanding of cause and effect Use a microwave during cooking, understand that the buttons make the microwave work	Understand that they should only use a device when an adult is present Have an awareness to stay on an app an adult has put them on Be introduced to online safety and how to always ask before using phones, computer etc…	Children to be given a chance to ask questions and use the computer to find the answers Look at photos that have been taken and videos via tapestry	Children to have an understanding that a device can be used to communicate with others, such as making phone calls to each other, using walkie talkies to communicate with each other
Reception	Recognise and use a range of different digital	Understand that we/humans	Can describe what makes a good friend	Collect and present simple data	Choose and operate a simple digital

	devices such as a camera or a tablet Use a mouse, touch screen or age appropriate access device to select options Know and identify the basic parts of a computer, mouse, screen and keyboard Know and identify key parts of a keyboard, numbers, letter and space bar	control computers Repeat a step to trigger an outcome Understand there is a sequence to instructions (unplugged) Input and follow a simple set of instructions to control a device Recognise the success of failure of an action	Understands that some online content is inappropriate Knows to tell an appropriate adult Understands information can be shared with everyone or be kept to themselves	(likes/dislikes) using pictures Understands the different between, images. text, video Answer basic questions about data collected	device to fulfil a task (take a photo) Choose media to convey ideas (use images, clipart etc) Use a simple programme/app to create a picture
Yr 1	Name a range of digital devises and recognise other things contain computers e.g. washing machine, traffic lights Explain what the basic parts of a computer are used for Use the basic parts of a computer with support, keyboard, mouse, touchscreen, on button Understand that information can be found using a search engine/website Understand work can be saved on a device and	Understand that we control computers by giving them instructions in order, computers cannot do this by themselves Understand what an algorithm is Create a simple algorithm	Understand that you can share content online Know who to tell when concerned about content online and offline Understand what makes a good online friend and the importance of being kind and thoughtful Understand what is personal and the need to keep it private Understands why we use passwords Understand that spending a lot of time on a screen is not healthy	Collect data on a topic Present data using a pictogram	Select media to present information, e.g. images, videos, text Understand that you can edit and change digital content using apps etc Changes the appearance of an image or text Talk about what makes digital content good or bad

	accessed/opened from others				
Yr 2	Use a range of output devices, printer, monitor and recognise their purposes Use a simple password and username to log on Know how and where to save and open work Use child appropriate search engine to find information using key words Understand that all devices, app, games, websites, programs are made by real people for real tasks	Predict the outcome of an algorithm Evaluate the success of an algorithm Debug an error in an algorithm or program Identify and correct errors while using a app, program	Understand that digital content belongs to the person who first created it Save and reuse digital content that is found online Can remember a simple password and knows not to tell anyone Can identify rules and add to a class agreement Knows not all information found online is true Understand that when sharing digital content others need to ask to use/share it	Understand the questions we ask when collecting data are important Recognise why we use charts, bar graphs, pictograms etc… Use specific programs/software to present data Explain the information shown in a simple, chart, bar graph pictogram etc… Understand that information can be given in different formats eg. picture, text, audio, videos and communicate their benefits	Plan out digital content and ideas Design and create digital content using mixed media, images, text, videos Talk about what makes digital content good or bad Edit content and improve it

How can you help your child?

We know that our children love technology and accessing a range of devices. Supporting your children to develop and maintain healthy habits when it comes to using technology at home will help reinforce what is being learnt in school. It is essential your child is aware of the importance of e-safety and how to stay safe online.

Ensure your child limits their screen time to 1 hour a day during the week.

Useful Links:

https://www.childnet.com/

https://www.internetmatters.org/

https://www.nspcc.org.uk/keeping-children-safe/online-safety/

What our children say about Computing at Monkwick Infant School!

"I can log onto a Chromebook and go on Phonics Play to help with my reading!" – Year 1 Pupil

"We learn to control the BeeBots, it is such much fun!" – Year 1 Pupil

"We must always tell a grownup what we are doing on the devices we use" – Year 1 Pupil

"I like learning to play games our teacher shows us" Year 2 Pupil

"I can write a story on Google docs and then print it off" Year 2 Pupil

"I now know how to add a picture to a document" – Year 2 Pupil

"All our teachers help us to learn how to stay safe when we are using devices, we made posters to help others" – Year 2 Pupil