



Newton's Walk
56 Cedar Street
Derby
DE22 1GE

25th September 2019

Dear Parents/carers,

Please find below some information about the computing curriculum and the wider issue of internet safety. Please note the useful websites at the end of this letter. To access this information digitally, it can be found on the school website.

Computing and Internet Safety curriculum information

All pupils at Newton's Walk have the right to receive rich, deep learning experiences that balance all the aspects of computing. With technology playing such a significant role in society today, we believe 'computational thinking' is a skill children must be taught if they are to be able to participate effectively and safely in this digital world.

At Newton's Walk, the core of computing is Computer Science in which pupils are introduced to a wide range of technology, including laptops, iPads and interactive whiteboards, allowing them to continually practice and improve the skills they learn. This ensures they become digitally literate so that they are able to express themselves and develop their ideas through information and computer technology. The school has invested in Purple Mash software which allows a progressive approach to computing to be accessed.

We teach a curriculum that enables children to become effective users of technology who can:

- Understand and apply the essential principles and concepts of Computer Science, including logic, algorithms and data representation;
- Analyse problems in computational term, and have repeated practical experience of writing computer programs in order to solve such problems;
- Evaluate and apply information technology analytically to solve problems;
- Communicate ideas well by utilising appliances and devices throughout all areas of the curriculum.

Internet Safety

Newton's Walk takes internet safety extremely seriously. Each year group participates in lessons on e-safety within the computing curriculum throughout the school year where pupils understand how to stay safe when using technology.

The wider theme of internet safety is also incorporated within the PSHE curriculum throughout the year:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
--------	--------	--------	--------	--------	--------

Emotional health	The importance of sleep and exercise	Recognising that choices can be influenced	Good and bad habits	Factors that affect emotional health	Health and well-being
Friendly and unfriendly behaviours	Types of teasing and bullying	Actions and consequences	Secrets, pressure and feelings	Effects of the media on emotional health	Bullying
Dangers around us	Unsafe situations	Positive friendships	Ways to stay safe on-line	Unhealthy secrets	The consequences of decisions
Rules and why they help us	Secrets and surprises	Risky situations	Laws and safety	Techniques for resisting pressure	Strategies to manage difficult situations
What is bullying	Laws and rules	The power of pressure and its potential consequences (peer and media)	Respect and tolerance	Alright Charlie (signs of grooming)	Using the media
	Spending money	Challenges		Financial well-being	
		Economic well-being			

As parents, you may find the following links useful to help your child stay safe online at home:

Understanding social networking sites and how to keep your children safe	Common sense media https://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=16&cad=rja&uact=8&ved=2ahUKEWjMgeazwunkAhVxSRUIHTddCAkQFjAPegQIABAB&url=https%3A%2F%2Fwww.commonsense.org%2F&usg=AOvVaw3XWxeyz_BC2X6DWhfudoBE
Great advice to help keep your children safe online.	Think U Know https://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=2ahUKEwiRjarXwunkAhWSQ0EAHTcFAGoQFjAAegQIBhAC&url=https%3A%2F%2Fwww.thinkuknow.co.uk%2F&usg=AOvVaw2vNYhSs2r53a2g2VdipgaQ
Safety information for the whole family.	Microsoft Protect https://support.microsoft.com/en-gb/hub/4099151/windows-security-help
Report any illegal content on the internet.	Internet Watch https://www.iwf.org.uk/
Keep up to date with any e-safety issues.	ChildNet https://www.childnet.com/
Safety information for parents.	Safer Internet https://www.saferinternet.org.uk/
Information on gaming safely with resources for parents and children.	Get Game Smart https://news.microsoft.com/2009/01/14/microsoft-encourages-families-to-get-game-smart/
Understand and share the world of social networking websites with your children.	Make it Secure https://www.nspcc.org.uk/preventing-abuse/keeping-children-safe/online-safety/