Some Computing terms explained.
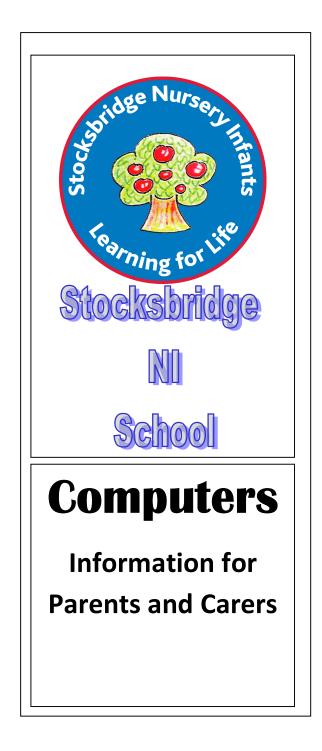
Avatar –helps us keep safe online by not using our real identity.

Personal information – our name. age or address.

Private/public – things we do not want to share online and those we want to share.

Algorithm- steps to follow to complete a task eg cleaning your teeth.

Software – computer programs and applications (Apps)

To debug – finding and fixing an error in a program

Sprite – computer graphic, a picture that can be moved.

Branching Database – away of sorting a group of objects.

Decomposition - splitting things into smaller parts

Stocksbridge NI School

Computers

Information for Parents and Carers

What is Computing?

During their time at Stocksbridge Nursery Infants all the children will learn essential skills to begin their journey into a digital world. They begin to learn the skill of programming, creating programs, systems and a range of content. Computing also links in with maths, English, science and design technology, and can be integrated into almost every subject your child will study at school. We also teach how the children should be safe, responsible and discerning users of any technologies in preparation for life in the digital world.

What does this mean?

In Foundation – They will learn what a computer is and how they can control them – with simple programable toys. They will learn about sound, music, photographs and video through toys and games. This will be with simple recording devices and the iPads. They will learn to use digital material to communicate in simple ways. They will use computers to count and sort information using age appropriate games and online programs.

In Key Stage one - They will learn to use software to create and manipulate pictures and text and take videos. They will be taught to sort objects or information into groups, based on various criteria. They will develop their skills with Bee-Bots and software to create very simple programmes. As much as we like to blame the computer for our mistakes we will teach the children to appreciate that humans control technology, and that computers cannot think for themselves! Lastly and most importantly understanding the basic principles of online safety.

Internet Safety.

Working with computers and the internet is great fun but we are careful to educate our children and wider community about the benefits and risks of using technology and how we can maintain a healthy relationship with technology.

How to keep yourself safe online –

1 -Some things online are not appropriate for you. Know who to tell if you are worried.

2- Understand what personal information is and the need to keep it private.

3 – Understand why we use passwords.

4 – Understand what makes a good online friend and the need to be kind and thoughtful online as in the real world.

5 – If in doubt about anything online, ask a grown up.

6 – Useful web sites

http://www.safetynetkids.org.uk/personal-safety/staying-safe-online/

https://www.saferinternet.org.uk/advice-centre/young-people/resources-3-11s

How is Computing taught at SNI?

We teach computers through our curriculum linking it to our topics.

Computing will be evident within the classroom with lessons clearly structured with children able to gain an excellent understanding of all areas of computing which includes digital literacy, information technology and computer science. Children will be regularly exposed to a variety of computing resources and confidently use these, not only within computing lessons, but across the curriculum, understanding and appreciating their value within the classroom plus home and school environments. This will include but not be limited to laptops, iPads, interactive whiteboards, cameras and various hardware which children can program, stimulate and code.

Furthermore, children will understand the vital role computing plays within society and how it is used for everyday life, having importance across the curriculum, in school and at home.