



SAFE & RESPONSIBLE USE

- Sources such as websites can be assessed for their **reliability** by checking the URL of the website (e.g. .com, .org, .net etc.), the author of the page, and by verifying information on more than one website.
- **Personal information**— information that can identify each person individually. Always think very carefully about the information we give to anyone, particularly online, as we cannot be sure they are who they say they are. Studies show up to 70% of people are willing to share their most personal information online!

PRODUCTIVITY & CREATIVITY



- **Robotics** - robotics can now be used for design, construction and application of robots.
- **Sphero** – a programmable robot which can be controlled by the of an iPad and block coding.

COMPUTER NETWORKS



- **The World Wide Web** is the method by which most people access the **Internet**. It is one way in which computers can send and receive data over the internet. Most of us access data in the World Wide Web using a web browser, such as Google Chrome, Internet Explorer or Firefox. **The World Wide Web** was invented by Tim Berners-Lee in 1989.

PROGRAMMING



- **Debug**- identify and remove errors from computer hardware or software.
- **Sequence** – a particular order in which related things follow each other.
- **Control block** - programming which allows you to change the flow of the Sphero.
- **Loop** - repeats a series of blocks as many times as you want.

Key vocabulary and meanings

***Programming** – a series of code that solves a problem.

***Coding** – a series of instructions used to tell a computer what to do.

Pattern recognising – the process of identifying patterns or connections between different parts of the bigger problem.

Aim– a set direction that a Sphero will travel.