

Name: _____

Class: _____

Band 1—Computing
Computers



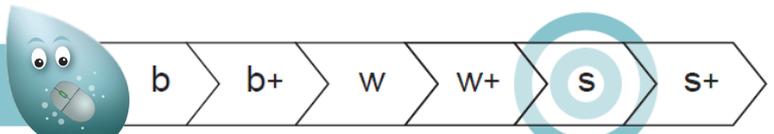
- Recognise common uses of information technology in the home and school environment
I can recognise how I use technology in my home and at school

Band 1—Computing
Using Computer



- Use technology purposefully to create digital content
I can use a program to create a simple document

Band 1—Computing
E-Safety



- Understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies
I know to tell an adult if I see anything worrying online

Band 1—Computing
Coding



- Predict the behaviour of simple programs
I can predict the behaviour of a programmed toy
- Understand what algorithms are and how they are implemented on digital devices
I can explain that an algorithm is a step by step set of instructions

Name: _____ Class: _____

Band 2—Computing

Computers



b b+ w w+ **s** s+

- Recognise common uses of information technology beyond school.
- I can recognise how others use technology outside of school.*

Band 2—Computing

Using Computer



b b+ w w+ **s** s+

- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.
- I can find, open, edit and save files I am working on.*
- Use technology purposefully to create digital content comparing the benefits of different programs.
- I can use different software programs and discuss the benefits of their usage.*

Band 2—Computing

E-Safety



b b+ w w+ **s** s+

- Use technology safely and keep personal information private.
- I know I need to keep my personal information private.*

Band 2—Computing

Coding



b b+ w w+ **s** s+

- Use logical reasoning to predict the behaviour of simple programs.
- I can predict the behaviour of a programmed toy, clearly relating each action to part of an algorithm.*
- Create simple programs.
- I can create a simple program to perform a task.*
- Create and debug simple programs.
- I can create and debug simple programs.*
- Debug simple programs by using logical reasoning to predict the actions instructed by the code.
- I can find and fix simple bugs in programs.*
- Understand that programs execute by following precise and unambiguous instructions.
- I can understand that programs run by following clear instructions.*

Name: _____ Class: _____

Band 3—Computing

Computers



b b+ w w+ **s** s+

- Recognise familiar forms of input and output devices and how they are used.
 I know what input and output devices are and how they are used.
- Make efficient use of familiar forms of input and output devices.
 I can use a range of input and output devices efficiently.

Band 3—Computing

Networks



b b+ w w+ **s** s+

- Understand that computer networks enable the sharing of data and information.
 I understand that computer networks allow data to be transferred and shared.
- Understand that the internet is a large network of computers and that information can be shared between computers.
 I understand that the internet is a large network that enables computers to share information.

Band 3—Computing

Using Computer



b b+ w w+ **s** s+

- With support select and use a variety of software to accomplish goals.
 I can make choices on which program is best for a given task.

Band 3—Computing

E-Safety

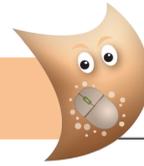


b b+ w w+ **s** s+

- Use technology safely and respectfully, keeping personal information private.
 I know I need to keep my password and personal information secure.
- Use technology safely and recognise acceptable and unacceptable behaviour.
 I can recognise acceptable and unacceptable behaviour online.

Band 3—Computing

Net Searching



b b+ w w+ **s** s+

- Use simple search technologies.
 I can use a search engine to find web pages.
- Use simple search technologies and recognise that some sources are more reliable than others.
 I understand that not all websites are as reliable as others.

Band 3—Computing

Coding



b b+ w w+ **s** s+

- Design, write and debug programs that control or simulate virtual events.
 I can produce a simple program that completes a given task.
- Use logical reasoning to explain how some simple algorithms work.
 I can explain how simple algorithms solve a given problem.

Name: _____ Class: _____

Band 4—Computing Computers



b > b+ > w > w+ > **s** > s+

- Use other input devices such as cameras or sensors.
I can use more complicated input devices.

Band 4—Computing Networks



b > b+ > w > w+ > **s** > s+

- Understand what servers are and how they provide services to a network.
I understand that some computers on a network serve particular functions, such as controlling printers or sharing files.

Band 4—Computing Using Computer



b > b+ > w > w+ > **s** > s+

- With support select and use a variety of software on a range of digital devices.
I can use different software programs and different types of hardware.
- With support select, use and combine a variety of software on a range of digital devices to accomplish given goals.
I can use a range of programs to complete a task.

Band 4—Computing E-Safety



b > b+ > w > w+ > **s** > s+

- Use technology responsibly and understand that communication online may be seen by others.
I understand that what I say or post on the internet might be copied, shared and stored by others.
- Understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies.
I know what to do if I see anything worrying online.

Band 4—Computing Net Searching



b > b+ > w > w+ > **s** > s+

- Understand how results are selected and ranked by search engines.
I understand how search engines order their search results.

Band 4—Computing Coding



b > b+ > w > w+ > **s** > s+

- Decompose programs into smaller parts.
I can break programs up into smaller parts.
- Use logical reasoning to detect and correct errors in algorithms and programs.
I can use logical thinking to identify and solve potential bugs during coding.
- Select, use and combine a variety of software, systems and content that accomplish given goals.
I can use other programs as I code.

Name: _____ Class: _____

Band 5—Computing Networks



b b+ w w+ **S** s+

- Begin to use internet services to share and transfer data to a third party.
I can use the internet to allow me to share data with another person.

Band 5—Computing Using Computer



b b+ w w+ **S** s+

- Independently select and use appropriate software for a task.
I can select appropriate software to use for a given task.
- Independently select, use and combine a variety of software to design and create content for a given audience.
I can confidently use a range of software tools.

Band 5—Computing E-Safety



b b+ w w+ **S** s+

- Understand the need to only select age appropriate content.
I understand how to choose online content for my age group.

Band 5—Computing Net Searching



b b+ w w+ **S** s+

- Use filters in search technologies effectively.
I can use more advanced features when searching online.
- Use filters in search technologies effectively and appreciates how results are selected and ranked.
I can use a range of search tools to find exactly what I'm looking for.

Band 5—Computing Coding

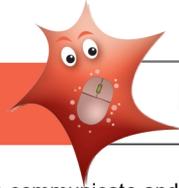


b b+ w w+ **S** s+

- Design, input and test an increasingly complex set of instructions to a program or device.
I can write increasingly complex programs.
- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems.
I can control external hardware from within my programs.
- Design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated.
I can use loops to repeat tasks within a program.
- Design write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user.
I can use IF statements to alter the way my programs run.
- Use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency.
I can explain how increasingly complex algorithms solve a given problem.

Name: _____ Class: _____

Band 6—Computing Networks



b b+ w w+ **S** s+

- Understand how computer networks enable computers to communicate and collaborate.
I understand how computers are able to communicate and share information.
- Begin to use internet services within his/her own creations to share and transfer data to a third party.
I can use and combine services on the internet to share information.

Band 6—Computing Using Computer



b b+ w w+ **S** s+

- Independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information.
I can use more than one piece of software to complete a task..
- Design and create a range of programs, systems and content for a given audience.
I can design a program for a given audience.
- Independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information.
I can use software to help me analyse and present data and information.

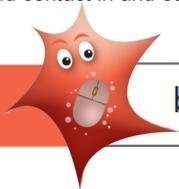
Band 6—Computing E-Safety



b b+ w w+ **S** s+

- Use technology respectfully and responsibly.
I understand how to protect my computer or device from harm on the internet.
- Identify a range of ways to report concerns about content and contact in and out of school.
I understand how to report concerns about content and contact in and out of school.

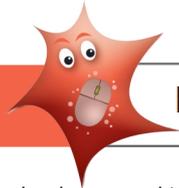
Band 6—Computing Net Searching



b b+ w w+ **S** s+

- Be discerning when evaluating digital content.
I can recognise trustworthy sources of information on the internet.
- Use filters in search technologies effectively and is discerning when evaluating digital content.
I can use a broad range of resources online to find exactly what I'm looking for.

Band 6—Computing Coding



b b+ w w+ **S** s+

- Include use of sequences, selection and repetition with the hardware used to explore real world systems.
I can combine software and hardware to solve real life problems.
- Solves problems by decomposing them into smaller parts.
I can break code up into related instructions, making debugging easier and quicker.
- Create programs which use variables.
I can store and retrieve variables in a program.
- Use variables, sequence, selection, and repetition in programs.
I can use loops, variables and IF statements to alter the way my programs run.
- Use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficiently.
I can use logical thinking to identify and solve potential bugs during coding.