# Computing Progression Map 2021-2022

| Year 1 | Year 2 |
|---|---|
| • Use technology purposefully to create, organise, and retrieve digital content.<br>• Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about context or contact on the internet or other online technologies.<br>• * Create and debug simple programs. | • Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous of instructions.<br>• Create and debug simple programs.<br>• Use logical reasoning to predict the behaviour of simple programs.<br>• Use technology purposefully to create, organise, store, manipulate and retrieve digital content • recognise common uses of information technology beyond school.<br>• * Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about context or contact on the internet or other online technologies |

# Computing Progression Map 2021-2022

| Year 3 | Year 4 |
|---|---|
| <ul><li>Design, write and debug programs that accomplish specific goals.</li><li>Use sequence, selection, and repetition in programs.</li><li>Use reasoning to explain how some simple algorithms work and begin to correct errors.</li><li>Understand computer networks including the internet; such as the world-wide web; and the opportunities they offer for communication.</li><li>Use search technologies, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</li><li>Select, use and combine a variety of software (including internet services) and create a program.</li><li>Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li></ul> | <ul><li>Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems.</li><li>Use sequence, selection, and repetition in programs; begin to work with variables and various forms of input and output.</li><li>Use reasoning to explain how some simple algorithms work and correct errors in algorithms and programs.</li><li>Understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication.</li><li>Use search technologies, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</li><li>Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs.</li><li>Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li></ul> |

# Computing Progression Map 2021-2022

| Year 5 | Year 6 |
|---|---|
| • Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.<br>• Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.<br>• Use reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.<br>• Understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration.<br>• Use search technologies, appreciate how results are selected and ranked, and be discerning in evaluating digital content.<br>• Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content, that accomplish given goals, including collecting, analysing, and presenting data and information.<br>• Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. | • Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.<br>• Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.<br>• Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.<br>• Understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration.<br>• Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.<br>• Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content, that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.<br>• Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. |