

Kelloe Computing	Autumn	Spring	Summer
Year 1	<ul style="list-style-type: none"> • Understand what algorithms are; how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. • Create and debug simple programs • Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content on the internet or other online technologies. • Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 	<ul style="list-style-type: none"> • Understand what algorithms are; how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. • Create and debug simple programs • Use logical reasoning to predict the behaviour of simple programs. • Recognise common uses of information technology beyond school. • Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content on the internet or other online technologies. • Use technology purposefully to create, organise, store, manipulate and retrieve digital content. 	<ul style="list-style-type: none"> • Understand what algorithms are; how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. • Create and debug simple programs • Use logical reasoning to predict the behaviour of simple programs. • Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content on the internet or other online technologies. • Use technology purposefully to create, organise, store, manipulate and retrieve digital content.
Year 2	<ul style="list-style-type: none"> • Understand what algorithms are; how they are implemented as programs on digital devices; 	<ul style="list-style-type: none"> • Understand what algorithms are; how they are implemented as programs on digital devices; 	<ul style="list-style-type: none"> • Understand what algorithms are; how they are implemented as programs on digital devices;

	<p>that programs execute by following precise and unambiguous instructions.</p> <ul style="list-style-type: none"> • Create and debug simple programs. • Use technology respectfully • Keep personal information private • Use technology purposefully and safely. 	<p>that programs execute by following precise and unambiguous instructions.</p> <ul style="list-style-type: none"> • Create simple programs. • Use technology safely and respectfully • Use technology purposefully 	<p>that programs execute by following precise and unambiguous instructions.</p> <ul style="list-style-type: none"> • Create and debug simple programs. • Use logical reasoning to predict the behaviour of simple programs • Use technology safely and respectfully • Use technology purposefully
Year 3	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence and selection in programs. • Use logical reasoning to explain how some algorithms work. • To detect and correct errors. • Use technology safely, respectfully and responsibly. • Select, use and combine a variety of software (and internet services) on a range of 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence and selection in programs. • Use logical reasoning to explain how some algorithms work. • To detect and correct errors. • Use search technologies effectively, appreciate how results are selected and ranked. • Be discerning in evaluating content. 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence and selection in programs. • Use logical reasoning to explain how some algorithms work. • To detect and correct errors. • Use technology safely, respectfully and responsibly. • Use search technologies effectively.

	<p>digital devices to design and create content that accomplishes a given goal.</p>	<ul style="list-style-type: none"> • Use technology safely, respectfully and responsibly. • Recognise acceptable/unacceptable behaviour • Use search technologies effectively. • Select, use and combine a variety of software and internet services to evaluate and present data and information. 	<ul style="list-style-type: none"> • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal. • To present data and information.
Year 4	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence and selection in programs. • Use logical reasoning to explain how some algorithms work. • To detect and correct errors. • Be discerning in evaluating digital content. • Use technology safely, respectfully and responsibly. • Select, use and combine a variety of software (and internet services) on a range of 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence and selection in programs. • Use logical reasoning to explain how some algorithms work. • To detect and correct errors. • Use technology safely, respectfully and responsibly. • Recognise acceptable/unacceptable behaviour • Identify a range of ways to report concerns about content and contact. 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence and selection in programs. • Use logical reasoning to explain how some algorithms work. • To detect and correct errors. • Use technology safely, respectfully and responsibly. • Use search technologies effectively. • Select, use and combine a variety of software (and internet services) on a range of

	digital devices to design and create content that accomplishes a given goal.	<ul style="list-style-type: none"> • Use search technologies effectively. • Select, use and combine a variety of software and internet services to evaluate and present data and information. 	digital devices to design and create content that accomplishes a given goal. <ul style="list-style-type: none"> • To present data and information.
Year 5	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals, inc. controlling or simulating physical devices. • Solve problems by decomposing them into smaller parts. • To detect and correct errors. • Use technology safely, respectfully and responsibly. • Recognise acceptable/unacceptable behaviour • Use search technologies effectively. • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal. 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence, selection and repetition in programs • To use logical reasoning to detect and correct errors. • Use search technologies effectively, appreciate how results are selected and ranked and be discerning in evaluating digital content. • Use technology safely, respectfully and responsibly. • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal. 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence, selection and repetition in programs • To use logical reasoning to detect and correct errors. • Use technology safely, respectfully and responsibly. • Recognise acceptable/unacceptable behaviour • Identify a range of ways to report concerns about content and contact. • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal.

			<ul style="list-style-type: none"> • Understand computer networks (inc. the internet) and the opportunities they offer.
Year 6	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals, inc. controlling or simulating physical devices. • Solve problems by decomposing them into smaller parts. • To detect and correct errors. • Use search technologies effectively, appreciate how results are selected and ranked and be discerning in evaluating digital content. • Use technology safely, respectfully and responsibly. • Use search technologies effectively. • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal. 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence, selection and repetition in programs • To use logical reasoning to detect and correct errors. • Use search technologies effectively, appreciate how results are selected and ranked and be discerning in evaluating digital content. • Use technology safely, respectfully and responsibly. • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal. 	<ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals. • Solve problems by decomposing them into smaller parts. • Use sequence, selection and repetition in programs • To use logical reasoning to detect and correct errors. • Use technology safely, respectfully and responsibly. • Recognise acceptable/unacceptable behaviour • Identify a range of ways to report concerns about content and contact. • Select, use and combine a variety of software (and internet services) on a range of digital devices to design and create content that accomplishes a given goal. • Understand computer networks (inc. the internet) and the opportunities they offer.

