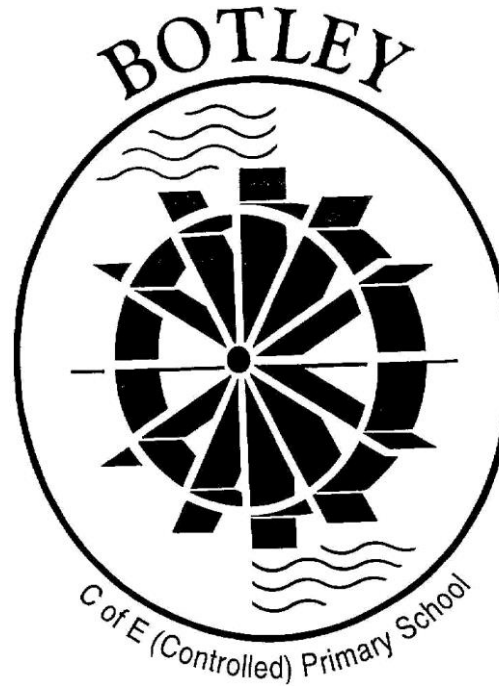


Botley C of E Primary School



Curriculum Subject Map: Years 1-6

Computing

	Year 1/2 Cycle A
Autumn 1	<p>Theme Title: Toy Time Traveller</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content <p>Task: To use paint to design a toy</p>
Autumn 2	
Spring 1	<p>Theme Title: Turrets, Towers and Tunnels</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. <p>Task: To use media to record (simple stop motion - stopmotionstudio)</p>
Spring 2	<p>Theme Title: Fire! Fire!</p> <p>Objectives from National Curriculum:</p> <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 <p>Task: To use the beebots to plot an escape from the Great Fire!</p>
Summer 1	<p>Theme Title: The Enchanted Woodland</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. <p>Task: To create a tree fact file that using basic Word processing skills</p>
Summer 2	<p>Theme Title: Amazing Asia</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • Use search technologies effectively - correct search terms for Narnia / fantasy worlds • Use technology purposefully to create, organise, store, manipulate and retrieve digital content - link together information to make a fantasy e-book • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. <p>Task: PowerPoint Olympics</p>

Year 1/2 Cycle B	
Autumn 1	<p>Theme Title: Super Me</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content. • Recognise common uses of information technology beyond school. <p>Task: Create on comic strip on https://learnenglishkids.britishcouncil.org/</p>
Autumn 2	<p>Theme Title: Who's Afraid of the Big Bad Wolf</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. <p>Task: Typing and inserting images retrieved from the internet about fairy tales.</p>
Spring 1	<p>Theme Title: Pole to Pole</p> <p>Objectives from National Curriculum:</p> <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 (Program the Beebots around the icebergs) • create and debug simple programs • use logical reasoning to predict the behaviour of simple programs. <p>Task: use beebots to program a route from north to south</p>
Spring 2	
Summer 1	<p>Theme Title: Bright Lights, Big City</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content. • use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. <p>Task: To use media to record (simple stop motion - stopmotionstudio)</p>
Summer 2	<p>Theme Title: Botley - Time and Space Travellers</p> <p>Objectives from the National Curriculum</p> <ul style="list-style-type: none"> • use technology purposefully to create, organise, store, manipulate and retrieve digital content <p>Task: create databases of information about Botley school over time and film different areas of the school that link with this.</p>

Year 3/4 Cycle A	
Autumn 1	<p>Theme Title: Potions</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> 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 <p>Task: use green screen and filming software to create a drama performance (<i>George mixing his medicine</i>).</p>
Autumn 2	
Spring 1	<p>Theme Title: Swords, Shields and Settlers</p> <p>Objectives from National Curriculum</p> <ul style="list-style-type: none"> 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 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about contact and content. <p>Task: to create an interactive presentation using PowerPoint that informs</p>
Spring 2	<p>Theme Title: Raiders or Traders?</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> 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 <p>Task: use a drawing software to Viking flag motif (<i>Sketchbook</i>)</p>
Summer 1	<p>Theme Title: Tremors</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about contact and content. <p>Task: Create a simple maze game</p>
Summer 2	<p>Theme Title: Mother Earth</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. 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 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 <p>Task: Use CAD programme to create a garden. - https://www.gardena.com/uk/garden-life/garden-planner/</p>

Year 3/4 Cycle B

Autumn 1	
Autumn 2	
Autumn 2	<p>Theme Title: Tribal Tales</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • use sequence, selection, and repetition in programs; work with variables and various forms of input and output • use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs <p>Task: To create a scratch quiz where children demonstrate their understanding of Stone Age.</p>
Spring 1	<p>Theme Title: I'm a Warrior</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • 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 • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content <p>Task: To create an interactive story using PowerPoint that tells an adventure.</p>
Spring 2	<p>Theme Title: Stay Safe</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <p>Task: E-Safety Unit - news using the green screen</p>
Summer 1	<p>Theme Title: Dynamic Discoveries</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • use sequence, selection, and repetition in programs; work with variables and various forms of input and output • use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs <p>Task: Use stop motion app to create a short movie based on a discovery.</p>
Summer 2	<p>Theme Title: Amazon Adventure</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • 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 • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content • use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <p>Task: Use publisher to create fact file on an amazon animal.</p>

Year 5/6 Cycle A	
Autumn 1	<p>Theme Title: All the Fun of the Fair</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> ▪ design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts ▪ use sequence, selection, and repetition in programs; work with variables and various forms of input and output ▪ use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs <p>Task: to use garage band to create a theme tune for their fairground ride</p>
Autumn 2	<p>Theme Title: Gods and Mortals</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> ▪ design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts ▪ use sequence, selection, and repetition in programs; work with variables and various forms of input and output ▪ use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs ▪ use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about contact and content. <p>Task: To create a scratch game where characters evolve throughout the levels.</p>
Spring 1	<p>Theme Title: Lay of the Land</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • 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 • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content • use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about contact and content. <p>Task: To create an interactive brochure using PowerPoint (Prezi) that guides the reader through North and South America.</p>
Spring 2	
Summer 1	<p>Theme Title: Civilization and Society</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • use sequence, selection, and repetition in programs; work with variables and various forms of input and output • use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs <p>Task: To create a stop motion using stopmotionstudio</p>
Summer 2	<p>Theme title: Lights, Camera, Action</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> • 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 <p>Task: To create a poster to advertise the production on publisher</p>

Year 5/6 Cycle B

	Year 5/6 Cycle B
Autumn 1	<p>Theme Title: Fit in 5</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> 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 <p>Task: To collect and present data as part of a sports scientist project monitoring heart rate during exercise and improvements over time (excel)</p>
Autumn 2	<p>Theme Title: Home and Away</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> 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 <p>Task: To use digi maps and green screens to provide information about Botley.</p>
Spring 1	
Spring 2	<p>Discrete</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 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 <p>Task: E-safety project and scratch game</p>
Summer 1	<p>Theme Title: Civilization and Society</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs <p>Task: To create a stop motion using stopmotionstudio</p>
Summer 2	<p>Theme title: Lights, Camera, Action</p> <p>Objectives from National Curriculum:</p> <ul style="list-style-type: none"> 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 <p>Task: To create a poster to advertise the production on publisher</p>