

Coverage of Computing KUS

Areas	Year One Paws, Claws and Whiskers	Year Two Scrumdiddlyumptious
Term 1:1	<p style="text-align: center;">We are collectors (Finding images on the web and sorting into different animal groups)</p> <ul style="list-style-type: none"> • I know how digital technology is used at home and in a work environment. • I know that ICT can give access quickly to a wide range of resources • I know to use technology to create, organise and manipulate digital content • I know that information comes from different sources • I can recognise common uses of computers in everyday life in school and outside of school • I can begin to identify some of the benefits of using technology. • I understand that I can find a range of information on the internet. • I can name parts of a computer and describe their function. • I can talk about the different ways in which information can be shown. • I can sort different kinds of information and present it to others. • I can recognise uses of information technology in school. (computers/laptops) • I can begin to identify some of the benefits of using technology • I can use digital cameras, iPod/iPad, video cameras to capture still/moving images for different purposes with help • I can use technology purposefully to create digital content. • I can use technology purposefully to store digital content. • I can develop digital skills e.g. using graphics or sound/music <p>**Online safe messages are taught in all units and as part of daily teaching**</p>	<p style="text-align: center;">We are Detectives (Emails and E-Safety)</p> <ul style="list-style-type: none"> • I know how digital technology supports lives at home and in work places • I know why technology is used in the home and community. • I know about the things that happen online should be reported to a trusted adult. • I know why passwords and personal information should be kept private. • I know that not everyone is who they say they are on the Internet. • I know where to go to for help and support when they have concerns about content on the internet or other technologies. • I can talk about the differences between the Internet and things in the physical world • I can talk about the ways we use technology in our classroom and beyond school • I can identify the benefits of using technology including finding information, creating and communicating • I know that any information put online leaves a digital footprint. • I can explain and describe the key characteristics of basic computer construction • I can identify the benefits of using technology including finding information, creating and communicating • I can use technology respectfully. • I know the benefits about going online and staying safe • I can communicate online in a kind and friendly manner <p>**Online safe messages are taught in all units and as part of daily teaching**</p>

	<p style="text-align: center;">Year One Superheroes</p>	<p style="text-align: center;">Year Two Fire, Fire!</p>
<p>Term 1:2</p>	<p style="text-align: center;">We are Celebrating Creating a card digitally</p> <ul style="list-style-type: none"> • I know how digital technology is used at home and in a work environment. • I know that ICT can give access quickly to a wide range of resources • I know to use technology to create, organise and manipulate digital content • I can name parts of a computer and describe their function. • I know that information comes from different sources • I can recognise common uses of computers in everyday life in school and outside of school • I can talk about the ways we use technology in our classroom • I can begin to identify some of the benefits of using technology. • I understand that I can find a range of information on the internet. • I can talk about the different ways in which information can be shown. • I can use technology purposefully to create digital content. • I can use technology purposefully to store digital content. • I can develop digital skills e.g. using graphics or sound/music <p>**Online safe messages are taught in all units and as part of daily teaching**</p>	<p style="text-align: center;">We are Photographers Taking and digitally enhancing photographs</p> <ul style="list-style-type: none"> • I know how digital technology supports lives at home and in work places • I know why technology is used in the home and community. • I know about the different forms of digital content and know how to use technology purposefully e.g. text, images, sound • I can talk about the differences between the Internet and things in the physical world • I can talk about the ways we use technology in our classroom and beyond school • I can identify the benefits of using technology including finding information, creating and communicating • I understand that I should choose websites that are good to visit, and avoid sites that are not good to visit. • I can explain and describe the key characteristics of basic computer construction • I can explain how information can be represented in a computer in a variety of ways e.g. sound • I can identify the benefits of using technology including finding information, creating and communicating • I can explain and describe functions the key characteristics of computers • I can take record video, still images and sound using different devices • I can use technology purposefully to organise, use and store digital content. • I can develop greater digital skills e.g. taking photographs/editing. • I can explain how the same information can be represented in a computer in a variety of ways e.g. sound <p>**Online safe messages are taught in all units and as part of daily teaching**</p>

	<p style="text-align: center;">Year One Street Detectives</p>	<p style="text-align: center;">Year Two At Home and Further Away</p>
<p>Term 2:1</p>	<p style="text-align: center;">We are Treasure Hunters Programming toys</p> <ul style="list-style-type: none"> • I know how digital technology is used at home and in a work environment. • I know that an algorithm is a way of solving a problem • I know that an algorithm can be followed by individuals • I can begin to understand how a computer processes instructions and commands (computational thinking) • I can recognise common uses of computers in everyday life in school and outside of school • I can begin to identify some of the benefits of using technology. • I understand what algorithms are. • I can give examples of algorithms in everyday life • I can describe what actions I will need to do to make something happen and begin to use the word algorithm. I can use the word debug when I correct mistakes when I program • I can create algorithms with clear instructions • I can begin to predict what will happen for a short sequence of instructions • I can begin to use the word debug when I correct mistakes when I program • I can begin to use software/apps to create movement and patterns on a screen. <p>**Online safe messages are taught in all units and as part of daily teaching**</p>	<p style="text-align: center;">We are Researches Developing research skills through the internet</p> <ul style="list-style-type: none"> • I know how digital technology supports lives at home and in work places • I know why technology is used in the home and community. • I know about the different forms of digital content and know how to use technology purposefully e.g. text, images, sound • I know and can talk about how information can be used to answer specific questions • I can talk about the differences between the Internet and things in the physical world • I can talk about the ways we use technology in our classroom and beyond school • I can identify the benefits of using technology including finding information, creating and communicating • I understand that I should choose websites that are good to visit, and avoid sites that are not good to visit. • I can explain and describe the key characteristics of basic computer construction • I can explain how information can be represented in a computer in a variety of ways e.g. sound • I can talk about the different ways I use technology to collect information • I can identify the benefits of using technology including finding information, creating and communicating • I can explain and describe functions the key characteristics of computers • I can use technology purposefully to organise, use and store digital content. • I can explain how the same information can be represented in a computer in a variety of ways e.g. sound <p>**Online safe messages are taught in all units and as part of daily teaching**</p>

	Year One Memory Box	Year Two Extreme Earth
Term 2:2	<p style="text-align: center;">We are Storytellers Producing a talking book</p> <ul style="list-style-type: none"> • I know how digital technology is used at home and in a work environment. • I know to use technology to create, organise and manipulate digital content • I can name parts of a computer and describe their function. • I know that information comes from different sources • I can begin to identify some of the benefits of using technology. • I can talk about the different ways in which information can be shown. • I can use technology purposefully to create digital content. • I can use technology purposefully to store digital content. • I can develop digital skills e.g. using graphics or sound/music <p>**Online safe messages are taught in all units and as part of daily teaching**</p>	<p style="text-align: center;">We are Astronauts Writing and debugging programs</p> <ul style="list-style-type: none"> • I know how digital technology supports lives at home and in work places • I know why technology is used in the home and community. • I know about the different forms of digital content and know how to use technology purposefully e.g. text, images, sound • I know that an algorithm is a sequence of instructions or step-by-step guide. • I can create, edit and refine sequences of instructions for a variety of programmable devices. • I know that programs don't always work first time I can identify a program's bugs and find a logical way of debugging. • I can talk about the differences between the Internet and things in the physical world • I can talk about the ways we use technology in our classroom and beyond school • I can explain and describe the key characteristics of basic computer construction • I can explain that an algorithm is a precise way of solving a problem • I can give examples of algorithms in everyday life beyond school • I know that an algorithm can be followed by individuals and computers • I can use logical reasoning to predict the behaviour of simple programs • I can watch a program execute and spot where it goes wrong so that I can debug it • I can explain and describe functions the key characteristics of computers • I can program a robot or software to do a particular algorithm. • I can use logical reasoning to predict the behaviour of simple programs. • I can use the word debug when programming. • I can use programming software to make objects move. <p>**Online safe messages are taught in all units and as part of daily teaching**</p>

	<p style="text-align: center;">Year One Africa Oye!</p>	<p style="text-align: center;">Year Two Wonderful Woodland</p>
<p>Term 3:1</p>	<p style="text-align: center;">We are TV Chefs Filming the steps of a recipe</p> <ul style="list-style-type: none"> • I know how digital technology is used at home and in a work environment. • I know to use technology to create, organise and manipulate digital content • I can name parts of a computer and describe their function. • I know that information comes from different sources • I know that an algorithm is a way of solving a problem • I know that an algorithm can be followed by individuals • I can recognise common uses of computers in everyday life in school and outside of school • I can begin to identify some of the benefits of using technology. • I understand what algorithms are. • I can give examples of algorithms in everyday life • I can describe what actions I will need to do to make something happen and begin to use the word algorithm. • I can use digital cameras, iPod/iPad, video cameras to capture still/moving images for different purposes with help • I can use technology purposefully to create digital content. • I can use technology purposefully to store digital content. • I can develop digital skills e.g. using graphics or sound/music <p>**Online safe messages are taught in all units and as part of daily teaching**</p>	<p style="text-align: center;">We are Zoologists Using software to produce charts</p> <ul style="list-style-type: none"> • I know how digital technology supports lives at home and in work places • I know why technology is used in the home and community. • I know about the different forms of digital content and know how to use technology purposefully e.g. text, images, sound • I know and can talk about how information can be used to answer specific questions • I can talk about the differences between the Internet and things in the physical world • I can talk about the ways we use technology in our classroom and beyond school • I can explain and describe the key characteristics of basic computer construction • I can explain how information can be represented in a computer in a variety of ways e.g. sound • I can talk about the different ways I use technology to collect information • I can identify the benefits of using technology including finding information, creating and communicating • I can explain and describe functions the key characteristics of computers • I can use technology purposefully to organise, use and store digital content. • I can manipulate data in graphical ways <p>**Online safe messages are taught in all units and as part of daily teaching**</p>

	Year One Splendid Skies	Year Two Changes
Term 3:2	<p style="text-align: center;">We are Painters Illustrating an E-book</p> <ul style="list-style-type: none"> • I know how digital technology is used at home and in a work environment. • I know that ICT can give access quickly to a wide range of resources • I know to use technology to create, organise and manipulate digital content • I can name parts of a computer and describe their function. • I know that information comes from different sources • I can recognise common uses of computers in everyday life in school and outside of school • I can talk about the ways we use technology in our classroom • I can begin to identify some of the benefits of using technology. • I understand that I can find a range of information on the internet. • I can talk about the different ways in which information can be shown. • I can use technology purposefully to create digital content. • I can use technology purposefully to store digital content. • I can develop digital skills e.g. using graphics or sound/music <p>**Online safe messages are taught in all units and as part of daily teaching**</p>	<p style="text-align: center;">We are Game Testers Using algorithms to program and to predict behaviour of programs.</p> <ul style="list-style-type: none"> • I know how digital technology supports lives at home and in work places • I know why technology is used in the home and community. • I know about the different forms of digital content and know how to use technology purposefully e.g. text, images, sound • I know that an algorithm is a sequence of instructions or step-by-step guide. • I can create, edit and refine sequences of instructions for a variety of programmable devices. • I know that programs don't always work first time • I can identify a program's bugs and find a logical way of debugging. • I can talk about the differences between the Internet and things in the physical world • I can talk about the ways we use technology in our classroom and beyond school • I can identify the benefits of using technology including finding information, creating and communicating • I can explain and describe the key characteristics of basic computer construction • I can explain that an algorithm is a precise way of solving a problem • I can give examples of algorithms in everyday life beyond school • I know that an algorithm can be followed by individuals and computers • I can use logical reasoning to predict the behaviour of simple programs • I can watch a program execute and spot where it goes wrong so that I can debug it • I can identify the benefits of using technology including finding information, creating and communicating • I can explain and describe functions the key characteristics of computers • I can program a robot or software to do a particular algorithm. • I can use logical reasoning to predict the behaviour of simple programs. • I can use the word debug when programming. • I can use programming software to make objects move. <p>**Online safe messages are taught in all units and as part of daily teaching**</p>