



Computing Long Term Planning Reception - 2019-2020

Term	Area	Foundation Stage Framework	Key skills	Programs / resources
Autumn 1	To Communicate	<p>30-50 months Knows how to operate simple equipment, e.g. turns on CD player and uses remote control</p> <p>40-60 months Completes a simple program on a computer</p> <p>40-60 months Uses ICT hardware to interact with age-appropriate computer software</p>	<ul style="list-style-type: none"> • Create shapes and patterns on screen using a mouse, trackpad or touchscreen • Use technology to record sounds and videos • Use technology to take photographs 	<ul style="list-style-type: none"> • Purple Mash – 2Paint • Paint Software • Applications – Doodlebuddy • iPad – voice recorder, camera • Laptop microphones
Autumn 2	To Code	<p>30-50 months Knows how to operate simple equipment, e.g. turns on CD player and uses remote control.</p> <p>30-50 months Shows an interest in technological toys with knobs or pulleys, or real objects such as cameras or mobile phones.</p> <p>30-50 months</p>	<p>Reception</p> <ul style="list-style-type: none"> • Make a floor robot move • Make choices about the buttons and icons to press • Make a floor robot reach a target 	<ul style="list-style-type: none"> • BeeBots & mats (make own/print from Twinkl) • Applications – Kodable and Daisy the Dinosaur • Purplemash- 2Go racing track



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		<p>Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images.</p> <p>40-60 months Uses ICT hardware to interact with age-appropriate computer software.</p> <p>40-60 months Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>		
Spring 1	To Connect February E-safety month	<p>30-50 months Knows that information can be retrieved from computers</p> <p>40-60 months Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>	<p>Reception</p> <ul style="list-style-type: none"> • Talk about technology that is used at home and at school • Talk about the amount of time spent using technology • Know that it is important to be careful with devices • Ask an adult when using the Internet 	<ul style="list-style-type: none"> • http://www.kidsmart.org.uk/teachers/ks1/readsmartie.aspx • www.safesearchkids.com • http://www.primaryresources.co.uk/online/internet.swf • Purple Mash e-safety posters • http://www.digital-literacy.org.uk/Curriculum-Overview.aspx#yr1 • http://www.everyschool.co.uk/i.c.t.-key-stage-1-internet-safety.html • https://www.thinkuknow.co.uk/5_7/ Lee & Kim's Adventures. • https://www.thinkuknow.co.uk/5_7/hectorsworld/ • Applications: Doodlebuddy



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			<ul style="list-style-type: none"> Tell an adult when something worrying or unexpected happens whilst using the Internet 	
Spring 2	To Collect	<p>30-50 months Shows an interest in technological toys with knobs or pulleys, or real objects such as cameras or mobile phones.</p> <p>30-50 months Uses ICT hardware to interact with age-appropriate computer software.</p> <p>40-60 months Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>	<p>Reception</p> <ul style="list-style-type: none"> Use simple equipment, e.g. a digital camera or iPad Talk about different kinds of information Add information to a pictogram 	<ul style="list-style-type: none"> Purplemash – 2Graph 2 Count http://www.topmarks.co.uk/Interactive.aspx?cat=18 http://primaryschoolict.com/pictograph/ iPads/digital cameras Applications: Teaching Graphs, Pic Collage Digital microscope
Summer 1	To Code	<p>30-50 months Knows how to operate simple equipment, e.g. turns on CD player and uses remote control.</p>	<p>Reception</p> <ul style="list-style-type: none"> Make a floor robot move (by entering a series of commands) 	<ul style="list-style-type: none"> http://www.pivotanimator.net Scratch Purple Mash (2Code, 2Go) LOGO Beebots



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		<p>30-50 months Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images.</p> <p>40-60 months Uses ICT hardware to interact with age-appropriate computer software.</p> <p>40-60 months Completes a simple program on a computer</p> <p>40-60 months Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>	<ul style="list-style-type: none"> • Use simple software to make something happen 	
Summer 2	To Communicate	<p>30-50 months Knows how to operate simple equipment, e.g. turns on CD player and uses remote control</p> <p>40-60 months</p>	<p>Reception</p> <ul style="list-style-type: none"> • Create text on screen by using a keyboard • Use technology to show learning 	<ul style="list-style-type: none"> • http://www.pivotanimator.net • Purple Mash – 2Animate, 2Create a story • iPads



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		Completes a simple program on a computer 40-60 months Uses ICT hardware to interact with age-appropriate computer software		
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