

Computing Scheme of Work

Reception – Autumn 1

Topic: All About Me

Activities	Intended Outcomes	Key Vocabulary and Questions
<p><u>Word Processing/Typing</u></p> <p>Use computers/keyboards in role play (old keyboards etc as we used to have for role play and exploration)</p> <ul style="list-style-type: none"> Home Corner <p>Play a touch screen game (chrome books)</p> <ol style="list-style-type: none"> Mini Mash -Games section – click and drag jigsaw puzzles Mini Mash under Numbers and counting section-Maths City 1 Toy and Bear picture. Shadow game Mini Mash under the bunting section. Cake picture. Draw candles and colour the birthday cake. Mini Mash under the bunting section. Robot picture. Colour the robot picture. <p><u>Data Handling</u></p> <p>Use 2 count on Mini Mash; Numbers and counting section</p> <p>Record favourite toys. Use on interactive white board with whole class.</p> <p><u>Video Creation/Photography and Digital Art</u></p> <p>Free drawing on note- Interactive whiteboard.</p> <p>Mini Mash- Go outside- Painting a drawing</p> <p>Look at photos and videos</p> <ol style="list-style-type: none"> Mini Mash under Numbers and counting section-Maths City 1 Toy and Bear picture. Watch toyshop video and children buying toys video. Mini Mash under the bunting section. Cake picture. Watch video 	<p>Able to complete a simple touch screen game</p> <p>Able to use a painting app and explore the paint and brush tools</p> <p>Able to know the difference between a photograph and video</p> <p>Able to present simple data on a digital device</p>	
		Assessment Opportunities
		Can they click and drag?
		Resources
		<p>Interactive whiteboard</p> <p>Chrome books</p> <p>I-Pad</p> <p>Old keyboards</p>

Reception – Autumn 2

Topic: Fantasy, Festivals and Food

Activities	Intended Outcomes	Key Vocabulary and Questions
<p><u>Word Processing/Typing</u></p> <p>Use computers/keyboards in role play (old keyboards etc as we used to have for role play and exploration)</p> <ul style="list-style-type: none"> • Café • Post Office • Dentist <p>Play a touch screen game (chrome books)</p> <ol style="list-style-type: none"> 1. Mini Mash -Reading and writing section-alphabet jigsaws 2. Mini Mash under Numbers and counting section-Maths City 1 School picture counting game put numbers on dice. 3. Mini Mash under Numbers and counting section-Maths City 1 Rocket picture. Play monster matching game top right. 4. Mini Mash under Numbers and counting section-Maths City 1 Car picture- matching numbers race game 5. Mini Mash under Simple City Map-Cafe site. Follow instructions game. Bottom right picture- ask questions <p><u>Digital Art</u></p> <p>Free drawing on note- Interactive whiteboard.</p> <p>Mini Mash- Go outside- Painting a drawing</p> <p><u>Presentation</u></p> <p>Mini Mash – Autumn –top right-hand corner. Activities.</p> <ol style="list-style-type: none"> 1. Autumn scene. Resize and rotate pictures in scene. 2. Autumn- What does a garden look like in Autumn? <p><u>Coding and Programming</u></p> <p>Investigate daisy the dinosaur app</p>	<ul style="list-style-type: none"> • To complete a simple touch screen game • Follow simple oral instructions • Spot simple patterns, such as similarities and differences • Create a simple digital collage • Move and resize images with my fingers or mousepad • Know the difference between a photograph and video • To be able to take a photo • Present simple data on a digital device • Input a simple sequence of commands to control a digital device with support • Use a mouse, touch screen or appropriate access device to target and select options on screen 	Assessment Opportunities
		Resources
		<p>Interactive whiteboard</p> <p>Chrome books</p> <p>iPad</p> <p>Old keyboards</p> <p>Beebots</p>

<p>Explore and explain how to use Beebots.</p> <p><u>Data Handling</u></p> <p>Use 2 count on Mini Mash; Numbers and counting section Record favourite fruits Use on interactive white board with whole class.</p> <p><u>Video Creation/Photography</u></p> <p>Each child takes a photo using camera or iPad. Mini Mash/ Go outside/Role play .Mashcams. Put in photo to make new picture.</p> <p>Look at photos and videos</p> <ol style="list-style-type: none"> 1. Mini Mash under Numbers and counting section-Maths City 1 School picture- video of children at school 2. Mini Mash under Numbers and counting section-Maths City 1 Rocket picture- video x 2 3. Mini Mash under Simple City map- Cafe site. Video x 2 		
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(Computing) Scheme of Work

Reception – Spring 1 Topic: Me and My World

Activities	Intended Outcomes	Key Vocabulary and Questions
<p style="text-align: center;"><u>Word Processing/Typing</u></p> <p>Use computers/keyboards in role play (old keyboards etc as we used to have for role play and exploration)</p> <ul style="list-style-type: none"> Flower shop Fruit and Vegetable Shop <p>Play a touch screen game (chrome books)</p> <ol style="list-style-type: none"> Reading and writing section– alphabet pairs games Mini Mash under Numbers and counting section-Maths City 1 Car picture- car matching game. Click and drag Mini Mash under Simple City map- Hospital site. Follow instructions game. Bottom right picture- ask questions. <p style="text-align: center;"><u>Presentation</u></p> <p>Mini Mash – Winter –top right-hand corner. Activities.</p> <ol style="list-style-type: none"> Winter scene. Resize and rotate pictures in scene. Winter Robin- What does a garden look like in Winter? <p style="text-align: center;"><u>Digital Art</u></p> <p>Free drawing on note- Interactive whiteboard.</p> <p>Mini Mash- Go outside- Painting a drawing Explore pic collage app</p> <p style="text-align: center;"><u>Coding and Programming</u></p> <p>Investigate daisy the dinosaur app</p> <p>Explore and remind how to use Beebots.</p> <p style="text-align: center;"><u>Health, Wellbeing and Lifestyle</u></p>	<ul style="list-style-type: none"> To complete a simple touch screen game Follow simple oral instructions Spot simple patterns, such as similarities and differences Know the difference between a photograph and video To be able to take a photo Input a simple sequence of commands to control a digital device with support Know the 'Smartie the Penguin rules: "Before you tap and click, you need to stop and think and tell someone!" Create a simple digital collage Move and resize images with my fingers or mousepad Use a mouse, touch screen or appropriate access device to target and select options on screen Use a mouse, touch screen or appropriate access device to target and select options on screen 	Assessment Opportunities
		Resources
		<p>Interactive whiteboard</p> <p>Chrome books</p> <p>iPad</p> <p>Old keyboards</p> <p>Beebots</p> <p>Digital camera</p>

Internet safety Day- Smartie the Penguin

Video Creation/Photography

Each child takes a photo using camera or iPad. Mini Mash- go outside/
role play –Mashcams Put in photo to make new picture.

Look at photos and videos

1. Mini Mash under Numbers and counting section-Maths City 1
Car picture. Watch videos x 2
2. Mini Mash under Simple City map- Building site.
Watch videos x 2
3. Mash under Simple City map- Hospital site.
Watch videos x 2

(Computing) Scheme of Work

Reception – Spring 2 Topic: Where Shall We Go Today?

Activities	Intended Outcomes	Key Vocabulary and Questions
<p>Play a touch screen game (chrome books)</p> <ol style="list-style-type: none"> 1. Mini Mash under Numbers and counting section-Maths City 1 Car picture- Pattern games. 2. Mini Mash under Numbers and counting section-Maths City 1 Car picture- parking the vehicle game. Top right 3. Mini Mash under Numbers and counting section-Maths City 1 Farm picture- Shadow game- click and drag 4. Mini Mash under Numbers and counting section-Maths City 1 farm picture- Pattern games. 5. Mini Mash under the bunting section. Animal picture. Draw and colour. 6. Mini Mash under Simple City map- Park. Follow instructions game. Bottom right picture- ask questions <p>Save work in their tray</p> <p>Free drawing on note- Interactive whiteboard.</p> <p>Mini Mash- Go outside- Painting a drawing</p> <p>Explore pic collage app</p> <p>Mini Mash – Spring –top right-hand corner. Activities.</p> <ol style="list-style-type: none"> 1. Spring scene. Resize and rotate pictures in scene. 2. Spring- What does a garden look like in spring? <p>Investigate daisy the dinosaur app</p> <p>Explore and get the Beebots to move a location on a Beebot mat.</p>	<ul style="list-style-type: none"> • To complete a simple touch screen game • Use a painting app and explore the paint and brush tools • Follow simple oral instructions • Spot simple patterns, such as similarities and differences • Know the difference between a photograph and video • To record a video • Input a simple sequence of commands to control a digital device with support • Create a simple digital collage • Move and resize images with my fingers or mousepad • Use a mouse, touch screen or appropriate access device to target and select options on screen 	Assessment Opportunities
		Resources
		<p>Interactive whiteboard</p> <p>Chrome books</p> <p>iPad</p> <p>Digital cameras</p> <p>Beebots</p>

Look at photos and videos

1. Mini Mash under Numbers and counting section-Maths City 1 Farm picture. Watch videos x 2
2. Mini Mash under Simple City map- Zoo. Watch video.
3. Mini Mash under Simple City map- Park. Watch video.

Use IPad and digital cameras to record a short film using the camera and play it back to view it

1. Children record others doing in play and watch it back. Can be done over whole half term until everyone has had a turn.

(Computing) Scheme of Work

Reception – Summer 1 Topic: How Do Things Grow?

Activities	Intended Outcomes	Key Vocabulary and Questions
<p>Play a touch screen game (chrome books)</p> <ol style="list-style-type: none"> Mini Mash under the bunting section. Egg picture. Colour. the egg. <p>Save work in their tray.</p> <ol style="list-style-type: none"> Play a TopMark's game- see maths scheme of work <p>Free drawing on note- Interactive whiteboard.</p> <p>Investigate daisy the dinosaur app</p> <p>Explore and get the Beebots to move a location on a Beebot mat.</p> <p>Sort physical objects, take a picture and discuss.</p> <p>Type letters with increasing confidence using a keyboard or tablet (chrome books or iPad). Use 2create a story. See below.</p> <p>Dictate short, clear sentences into a digital device.</p> <p>Word has a dictation option. save a picture in a document and then the children can dictate the sentence to go with it(chrome books)</p> <p>Use 2create a story on mini mash (Reading and writing section) to tell a story including more than one character. My simple story format.</p> <p>Use iPad and digital cameras to record a short film using the camera and play it back to view it.</p> <ol style="list-style-type: none"> Children record others doing PE and watch it back. Can be done over whole half term until everyone has had a turn. 	<ul style="list-style-type: none"> Follow simple oral instructions Spot simple patterns, such as similarities and differences Use a painting app and explore the paint and brush tools Use technology purposefully Sequence simple familiar tasks Use a mouse, touch screen or appropriate access device to target and select options on screen To create a simple animation To record a video Input a simple sequence of commands to control a digital device with support Find ways to change the voice – Link to EAD scheme of work. 	Assessment Opportunities
		Can they sort physical objects, take a picture and discuss what they have done?
		Resources
		<p>Interactive whiteboard</p> <p>Chrome books</p> <p>iPad</p> <p>Digital cameras</p> <p>Beebots</p>

(Computing) Scheme of Work

Reception – Summer 2

Topic: Water and Waves

Activities	Intended Outcomes	Key Vocabulary and Questions
<p>Mini Mash – Summer –top right-hand corner. Activities.</p> <ol style="list-style-type: none"> 1. Summer scene. Resize and rotate pictures in scene. 2. Summer- What does a garden look like in Summer? <p>Record a voice over a picture -chatterpix</p> <p>Type letters with increasing confidence using a keyboard or tablet (chrome books or iPad)- Use 2create a story. See below.</p> <p>Word has a dictation option. save a picture in a document and then the children can dictate the sentence to go with it (chrome books)</p> <p>Use 2create a story on Mini Mash (Reading and writing section) to tell a story including more than one character. Use my story format.</p>	<ul style="list-style-type: none"> • Move and resize images with my fingers or mousepad • Follow simple oral instructions • Spot simple patterns, such as similarities and differences • Use technology purposefully • To create a simple animation • Record my voice over a picture • Dictate short, clear sentences into a digital device. • Record sounds/voices in storytelling and explanation • Recognise some ways in which the Internet can be used to communicate including how I might communicate with people I know. • Describe ways that some people can be unkind online and how this can make people feel • Recognise that I can say ‘no’/ ‘please stop’/‘I’ll tell’/ ‘I’ll ask’ to somebody who asked me to do something that makes me feel sad, embarrassed or upset <p>Explain how this could be in real life or online- See Personal and Social planning</p>	Assessment Opportunities
		Resources
		<p>Interactive whiteboard</p> <p>Chrome books</p> <p>iPad</p> <p>Digital cameras</p>