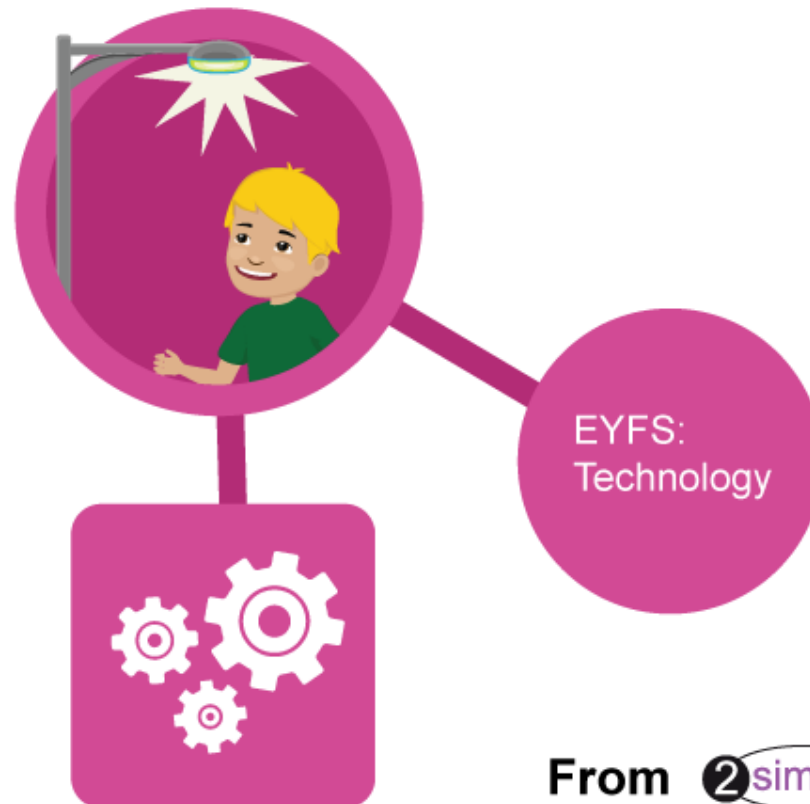




# Computing

## Scheme of Work

Understanding the World 



From 

# Understanding the world



## Early Learning Goal

Technology

Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.

### Resources:

### Lesson ideas


#### Mini Mash & Purple Mash



#### Lesson ideas:

If the children have access to different types of technology in the classroom, let the children explore using Mini Mash/Purple Mash in different ways.

- Use the interactive white board like a big painting easel to explore all the painting tools and their effects using your fingers to paint with.
- Use the drag and drop activities in Simple city to create and make your own environments on the whiteboard.
- Use the PC to explore using the mouse to move things around on the screen and use the keyboard to become familiar with the using the keys.
- Use a tablet/iPad to take your own photos for Mashcams, explore using the camera on the tablet and making your own Mashcams.
- Use the tablet to drag and drop the pieces into place on Mini Mash jigsaws.
- Talk to the children about how they use different technology in school.
- Why do the teachers use computers to help them to do their job?
- Why do you need a computer in the school office?
- What do we use at home every day?
- What other types of technology are used around school?
- Photocopier
- Microwave

	<ul style="list-style-type: none"> <li>• Heating system</li> <li>• Washing machine etc.</li> <li>•</li> </ul> <p>Talk to the children about the things that they see around them which might use technology. What do they see on their way to and from school?</p>
<p><b>Simple City (Mini Mash &amp; Purple Mash)</b>  <a href="https://www.purplemash.com/#app/games/simplecity">https://www.purplemash.com/#app/games/simplecity</a></p> 	<p>Talk to the children about how technology gets used by people every day for all the different things that they do. Link this to the topic you are doing and look at the different ways that technology could be used.</p> <p>For example, if you are setting up a role play vets, think about the technology the vet might have to use to look after the animals in the vets, use some junk material to make and include these in the role play area. If you have old keyboards etc. which the children could use in the role play area, let them include these as part of the role play setting.</p> <p>Use the topics in Simple City resources to talk to the children about how technology is used by people in different ways.</p> <ul style="list-style-type: none"> <li>• How do you think a farmer might use technology to look after the animals on the farm? <ul style="list-style-type: none"> <li>- Milking</li> <li>- Looking after the young animals, keeping warm etc.</li> <li>- Testing for disease</li> <li>- Harvesting the crops</li> </ul> </li> <li>• How do you think the builder might use technology? <ul style="list-style-type: none"> <li>- Measuring things with digital measure.</li> <li>- Using machinery to cut, mix and measure.</li> <li>- Machinery to lift and move the materials.</li> <li>- Websites to give information to the customers.</li> </ul> </li> </ul>

- How do you think the car mechanic would use technology in the garage?
  - Machines to test the electrics on the car.
  - Testing the air pressure on the tyres.
  - Tools to fix the vehicles.
  - Hydraulics to lift the cars.
  - Machinery to lift and move the materials.
  - Tills and machines to take money from the customers.
  - Websites to give information to the customers.
  
- How do you think the gardener would use technology in the garden centre?
  - Controlling the temperature in the greenhouses.
  - Setting water sprinklers to timers.
  - Tills and machines to take money from the customers.
  - Machinery to lift and move the materials.
  - Websites to give information to the customers.
  
- How do you think the nurses and other staff would use technology at the hospital?
  - Looking after all the information about the patients.
  - All the equipment needed to look after everyone in the hospital.
  - Keeping the hospital clean and warm.
  - Machinery to lift and move the materials
  - Communication from the ambulances to the hospitals.
  - Websites to give information to the customers.



- How do you think the vet and other staff would use technology at the vets?
  - Looking after all the information about the animals.
  - All the equipment needed to look after all the animals at the vets.
  - Keeping the vets clean and warm.
  - Machinery to lift and move the materials.
  - Communication from the vets visiting animals in people's homes, back to the vets practice.
  - Tills and machines to take money from the customers.
  - Websites to give information to the customers.
  
- How do you think the workers would use technology at the recycling centre?
  - Machinery to lift and move the materials.
  - Machinery to sort and crush the materials.
  - Communication to be able to organise all the other workers in the centre and keep them safe.
  - Controlling barriers to allow vehicles to visit the centre and keep other vehicles out.
  - Websites to give information to the customers.
  -
  
- How do you think the chef would use technology at the cafe?
  - Weighing the ingredients for the food.
  - Checking the temperature of the food.
  - Using mixers and other utensils for chopping and mixing the food.
  - Cooking the food in ovens and microwaves.
  - Tills and machines to take money from the customers.
  - Websites to give information to the customers.



- How do you think the zoo keepers would use technology at the zoo?
  - Weighing the food for the animals.
  - Keeping some areas at the right temperatures.
  - Heating areas of the zoo.
  - Using cleaning equipment to clean the enclosures.
  - Machinery to lift and move the materials.
  - Selling and printing tickets to people visiting.
  - Tills and machines to take money from the customers.
  - Communication to talk to other zookeepers in different places in the zoo.
  - Machinery for mixing animals feed for the different animals.
  - Websites to give information to the customers.
  
- How do you think the park keepers would use technology at the park?
  - Using cleaning equipment to clean the park.
  - Machinery to lift and move the materials.
  - Websites to give information to the customers.
  - Communication to talk to each other workers in different places in the park.
  - CCTV to keep the park a safe place to visit.
  - Transport to drive the park keeper around the park to check on all the different areas of the park.
  - If the park is holding different events e.g. flower shows, concerts etc. it may need different types of technology depending on the event which it is holding.