

# Computing Scheme of Work Unit 1.9 –

## Technology Outside School



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## Introduction

This unit encourages the children to consider how technology is used outside of the school environment. To help do this, the children go on a walk around their local community.

## **Medium-Term Plan**

| Lesson | Title                      | Success Criteria   |
|--------|----------------------------|--|
| 1      | What is Technology?        | <ul> <li>Children understand what is meant by<br/>'technology'.</li> <li>Children have considered types of<br/>technology used in school and out of school.</li> </ul> |
| 2      | Technology outside school. | • Children have recorded 4 examples of where technology is used away from school.  |



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## Lesson 1 – What is Technology?

## Aim

• To find and understand examples of where technology is used in the local community.

## Success criteria

- Children can understand what is meant by 'technology'.
- Children have considered types of technology used in school and out of school.

## Resources

Unless otherwise stated, all resources can be found on the main unit 1.9 page. From here, click on the icon to set a resource as a 2Do for your class. Use the links below to preview the resources; right-click on the link and 'open in new tab' so you do not lose this page.

- Camera to take pictures.
- Extension: Set <u>Technology Around Us Writing frame</u> as a 2Do for children.
- Optional homework sheet: <u>Technology at Home worksheet</u>; print for children.

## Activities

| Introduction          | Display <b>slide 2</b> and outline the lesson aims.                                       |  |  |
|-----------------------|---|--|--|
|                       |   |  |  |
|                       | Display <b>slide 3</b> and outline the success criteria.                                  |  |  |
|                       |   |  |  |
| What is meant be      | Using <b>slide 4</b> , ask children what they understand is meant by the term             |  |  |
| the term              | 'technology'. Discuss before clicking to reveal the Oxford English                        |  |  |
| 'technology'?         | Dictionary definition.  |  |  |
| Technology in the     | Using <b>slide 5</b> , ask children to look around the classroom and identify             |  |  |
| Classroom             | examples of technology. Click to reveal ideas.  |  |  |
|                       |   |  |  |
| Activity 1:           | Use <b>slide 6</b> to introduce the main activity of the lesson when the children         |  |  |
| Technology Walk       | will be going on a technology walk in the local community, identifying                    |  |  |
|                       | examples of technology outside. Ask children to take photographs.                         |  |  |
|                       |   |  |  |
| Activity 1:           | After going outside, children can share the photos they took or use <b>slide 7</b>        |  |  |
| Technology Walk       | to discuss examples that they might have seen.  |  |  |
| Review                |   |  |  |
|                       |   |  |  |
| Activity 2: Extension | ension Use <b>slide 8</b> to introduce an optional extension task activity. (You will nee |  |  |
|                       | to set this as a 2Do in advance).   |  |  |
| Review Success        | Review the success criteria on slide 9. Optional homework activity sheet                  |  |  |
| Criteria              | found in the lesson plan.   |  |  |

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## Lesson 2 – Technology Outside School

## Aim

• To record examples of technology outside school.

## **Success Criteria**

- Children can understand what is meant be 'technology'.
- Children can record examples of where technology is used away from school.

## Resources

Unless otherwise stated, all resources can be found on the main unit 1.9 page. From here, click on the icon to set a resource as a 2Do for your class. Use the links below to preview the resources; right-click on the link and 'open in new tab' so you do not lose this page.

- Before the lesson, you may want to collate some of the images taken last lesson into a slide show using **2Publish Plus** <u>Slideshow Template.</u>
- Alternatively, use the ready-made slide show <u>Technology Uses.</u>
- Example of Tech Worksheet

| Introduction     | Display <b>slide 2</b> and outline the lesson aims.                                    |  |  |  |
|------------------|--|--|--|--|
|                  | Display <b>slide 3</b> and outline the success criteria.                               |  |  |  |
| What is          | Using <b>slide 4</b> , ask children to recall some different examples of technology    |  |  |  |
| Technology?      | discussed in the last session.   |  |  |  |
| Technology at    | Use <b>slide 5</b> to discuss examples of technology at home. If the children did      |  |  |  |
| Home             | the homework from the last session, allow some children to share their                 |  |  |  |
|                  | examples of technology found in their homes.   |  |  |  |
| Activity 1:      | Use <b>slide 6</b> to look at pictures of technology outside. You can look through     |  |  |  |
| Technology       | the photos taken last week or watch the slideshow provided.                            |  |  |  |
| Slideshow        |  |  |  |  |
| Activity 2:      | Introduce the worksheet activity using <b>slide 7</b> . Children to draw and write, if |  |  |  |
| Examples of Tech | appropriate, about four examples of technology they have seen outside of               |  |  |  |
| Worksheet        | school.  |  |  |  |
|                  |  |  |  |  |
| Activity 3:      | Use <b>slide 8</b> to introduce an optional extension task activity.                   |  |  |  |
| Extension        |  |  |  |  |

## Activities

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| <b>Review Success</b> | Review the success criteria on <b>slide 9</b> . |
|-----------------------|---|
| Criteria              |   |





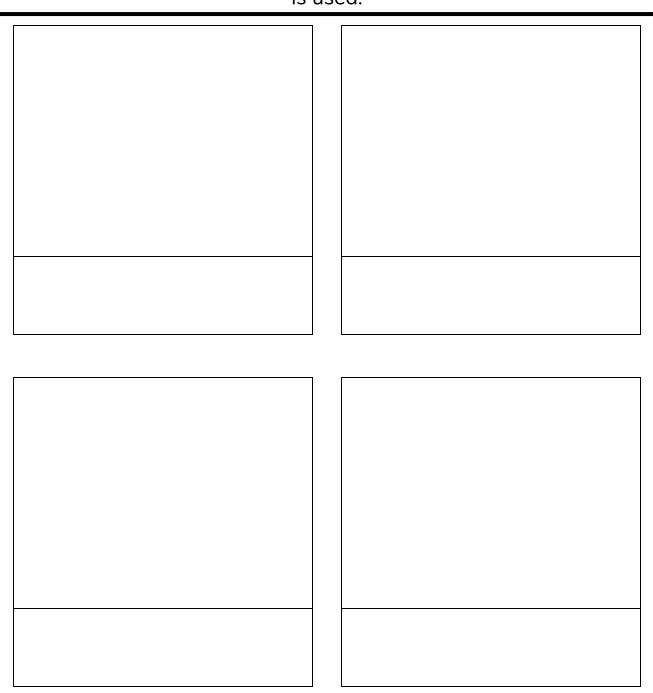
#### Technology at Home

\_\_\_\_\_



Name\_\_

Look around your home and draw four ways in which technology is used.



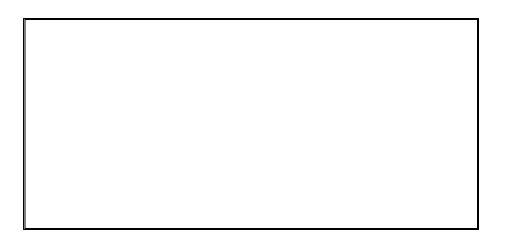


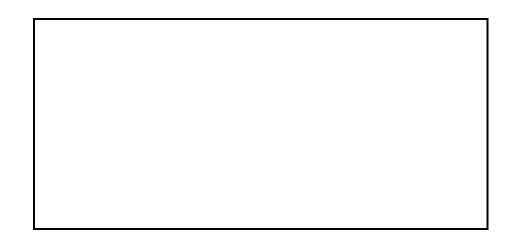
Need more support? Contact us:

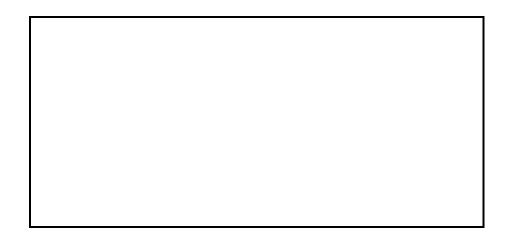


Name \_\_\_\_\_

Here are four examples of technology outside of school:









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## Assessment Guidance

The unit overview for year 1 contains details of national curricula mapped to the Purple Mash Units. The following information is an exemplar of what a child at an expected level would be able to demonstrate when completing this unit with additional exemplars to demonstrate how this would vary for a child with emerging or exceeding achievements.

|           | Assessment Guidance   |  |  |  |
|-----------|---|--|--|--|
| Emerging  | With support, children understand what is meant by technology and can<br>identify a limited number of examples both in and out of school. Children record<br>this using (Unit 1.9 Lesson 1. Worksheet 1) & (Unit 1.9 Lesson 2. Worksheet 1).  |  |  |  |
| Expected  | Children understand what is meant by technology and can identify a variety of examples both in and out of school. Children record this using (Unit 1.9 Lesson 1. Worksheet 1) & (Unit 1.9 Lesson 2. Worksheet 1).   |  |  |  |
|           | Children' discussion shows that they have a good understanding about the technological devices in use in their daily lives and how some of these facilitate communication of a variety of formats.  |  |  |  |
|           | Children can explain at a basic level that we should treat others politely regardless of the means of communication. Children can compare the speed and ease of technology to non-technological actions e.g., e-mail, buying an app or painting on screen.  |  |  |  |
| Exceeding | Children understand what is meant by technology and can identify a variety of<br>examples both in and out of school. They can explain why a certain technology<br>has been chosen as a solution to a specific problem. Children record this using<br>(Unit 1.9 Lesson 1. Worksheet 1) & (Unit 1.9 Lesson 2. Worksheet 1). |  |  |  |



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