

STUDENT WORKBOOK



By Elli Hayward & Alana Meuleman

Contents

Section 1: Understanding Technology and	i	Section 4: Applications Of The Internet	29
Digital Systems	4	Information Page: The Internet	30
Information Page: Technology and		Activity 16: What Is The Internet?	31
Everyday Life 1	5	Activity 17: PowerPoint Presentation 1	32
Information Page: Technology and	_	Activity 18: PowerPoint Presentation 2	33
Everyday Life 2	6	Activity 19: Design A Website!	34
Activity 1: How Technology Has Changed Our Lives	7	Information Page: Keeping Safe Online	35
Activity 2: Technology At Home	8	Activity 20: Keeping Safe Crossword	36
Activity 3: How Technology Has Changed	Ü	Activity 21: Responding To Cyberbullying 1	37
to Help Us Learn	9	Activity 22: Responding To Cyberbullying 2	38
Activity 4: How Technology Has Changed		Activity 23: Cyberbullying Venn Diagram	39
in Schools	10	Section 5: Exter ion Projects	40
Information Page: Computers	11		41
Information Page: Hardware and Software	12	Project 1. vs rand Present Comparison	•
Activity 5: Computer Hardware Word Search	13	P'min She t	42
Activity 6: Computer Parts Labelling	14	Paject 2 Coding Maps	43
Activity 7: Computer Software	15	Proje z: Coding Maps - Grid Paper	44
Activity 8: Write An Email		PN ject's Living Things 1	45
Activity 9: Video Game Cover	17	Project 3: Living Things Planning Sheet	46
Section 2: Data Collection and Pattern		Project 4: Living Things Life Cycle	47
Recognition	18	Project 4: Living Things Life Cycle	
Information Page: Data and Patterns	19	Planning Sheet	48
Activity 10: Solve The Partern	20		
Activity 11: Getting To School	21		
Activity 12: Counting Pets	22		
Section 3: Problem Solving With			
	23		
Information Page: Algorithms 1	24		
Information Page: Algorithms 2	25		
Activity 13: Sequences	26		
Activity 14: What Are Algorithms?	27		
Activity 15: Making A Ham Sandwich	28		

To access videos and websites providing background to this book go to:

https://www.readyed.net/digital-technologies-for-years-1-2/

Pages that are linked to online content will have this symbol on them:





How has technology changed our everyday lives?

Technology has changed how we live in many ways, from the clothes we wear, to the way we talk to each other. With digital technology, life can be easier and faster just by pressing a button or swiping a screen.

Here are some examples of then and now:

Telephones

Past: In the past, phones were attached to walls and you had to turn a round dial with numbers to call someone. You could only use these phones at home, or in phone boxes in the street.



Present: Now, we have mobile phones and we consult to people anywhere and at any time. Smart phones on send massages, take pictures, use the internet and show us m



Videos

Past: In the past, you could only and movies in theatres or live at TV. Shell VHS (video) tapes made it possible to resord and rewatch shows on a Video Cascette Recorder (VCR).



Present: In the late 990s DV is replaced video tapes as they are small and easier to use. Now, TV shows and movies can be streamed instantly at home using different apps on phones, tablets and TVs.



Photos

Past: In the past, cameras were big and heavy. They needed a roll of film and you could only take 24-36 photos. You couldn't see the pictures until the film was developed in a store. It cost a lot and took a long time.



Present: Now you can use a digital camera or a phone to take as many pictures as you want and you can see them right away. You can save the pictures online and it is quick and cheap to get prints made.



Activity 6 Computer Parts Labelling



☐ Label the hardware parts on the laptop below.



Screen	Kr yboard	Mouse/Touchpad
Camera	USB Port	Power Button

☐ Can you think of any more hardware parts that you could add? List them below then add them to your diagram. Make sure to label them.

Activity 11 Getting To School



■ The teacher of Inglehope Primary School has written on the board all the ways her students get to school. The results were:

Walking: 8

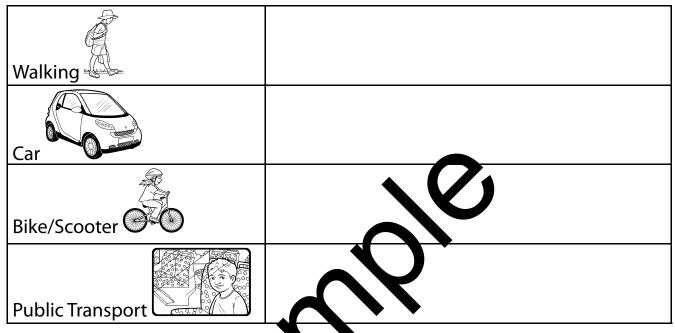
Car: 12

Bike/Scooter: 6

Public Transport: 3

Write a tally of how many students use each form of transport in the table below and then graph the information.

Tally of Ways Class Members get to School



Graph of Ways Class Members get to School

Activity 15	Making A Ham Sandw	vich (%)
making a h teddy bear and draw t	have lost the recipe for nam sandwich for our 's picnic. Can you write the steps in order so that oy our sandwiches in	
1		
3	4.	
5		

Activity 19 Design A Website

Imagine you are a website designer and you have been asked to design a website about one of your favourite things (this could be an animal, sport,

activity, etc).

Think carefully about what you would call your website and the tabs with information available. For example, a website about sloths might have the title: "Sloths in the Wild".

Tabs may include: "What They Eat," "Where They Live," and "What They Look Like".

Draw a picture of the front page of your ____

Sloths in the Wild			
What They	Where They	What They	
Eat	Live	Look Like	
There are two main species of sloths, two-toed and three-toed.			

