Introduction

*Top Science 2 Teacher's Resource Book* provides a range of materials designed to complement the Student's Book and the Teacher's Book. These materials contribute to the flexible nature of *Top Science*: students in the same class can be given worksheets at different levels, or weaker students can complete the tasks with stronger peers. Teachers with more contact hours can make use of these photocopiable materials as and when they need them.

There are four categories of worksheets: reinforcement, extension, assessment and speaking. Use them for revision purposes, for extension practice, as progress tests, assessment, or for homework. The worksheets can be photocopied and filed in a folder.

Reinforcement and extension worksheets

There are twenty-two reinforcement and fifteen extension worksheets. These materials constitute a flexible tool: they can be worked on after the relevant section in the Student's Book, before the *Now I know* sections, or as extra preparation for the Unit assessment.

The extension worksheets can be used for fast finishers or to extend class work. Depending on the level of the class, students can complete the worksheets with or without consulting their Student's Book.

---

**2 Bone and joints**

Complete the sentences.  

- **pelvis**  
- **femur**  
- **stature**

1. Bones form the **skeleton**.  
2. You bend your body at the **hip**.

**3 Circle and write six joints.**

---

**11 Landscape**

The Sea of Tranquility  
When you look at the Moon from Earth, you can see dark areas on its surface. One of the biggest areas is called the Sea of Tranquility. It is a large area of sunken ground. From Earth, it looks like a sea. Neil Armstrong and Buzz Aldrin were the first astronauts to land on the Moon. They landed in the Sea of Tranquility.  

1. The sea is the only ‘sea’ on the Moon, isn’t it?** No, the Moon has no water and no beaches, but it is certainly tranquil.**
Diagnostic test

This test is to be completed at the start of the school year to give an indication of student’s basic level of Science and English.

Assessment worksheets

Unit assessment and Term assessment

There are fifteen Unit tests, in addition to three Term tests. These can be given to the students once a unit has been completed, or as revision before each Term test. The answer keys are provided.

Assessment worksheets

Unit assessment and Term assessment

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Speaking games

Six pages of speaking games provide extra oral practice. These worksheets are designed to be done in pairs or small groups. Instructions on how to play the games are on the worksheets and should be cut off before distributing the material to the students.

Other resources

ICT Resource Pack

The ICT Resource Pack consists of 2 CD-Roms.

CD1

- Digital flashcards and classroom posters:
  the digital version of all the printed posters and flashcards can be used to give whiteboard presentations.

- Web bank: the Web bank includes some of the best, free web links for teaching Science, Geography and History. These links provide access to valuable on-line resources which can help to integrate the contents, basic competences and assessment criteria of Top Science.

CD2

The second CD-ROM provides, in digital format, all the materials found in this Teachers Resource Book, including the answer keys. The Class audio is also available on this CD.

i-books

Top Science Student’s Books are available in i-book format so teachers can choose to present the student’s material on the whiteboard.
Contents

Worksheets

REINFORCEMENT WORKSHEETS ......................... 6
EXTENSION WORKSHEETS ........................... 30

ASSESSMENT WORKSHEETS
Diagnostic test ................................................. 48
Unit assessment ................................................ 50
Term assessment .............................................. 80

SPEAKING ACTIVITIES ................................. 87

Answer keys

REINFORCEMENT WORKSHEETS .................... 96
EXTENSION WORKSHEETS ............................ 102

ASSESSMENT WORKSHEETS
Diagnostic test ................................................. 106
Unit assessment ................................................ 107
Term assessment .............................................. 115
How are they feeling? Match and write.

happy  sad  angry  scared

Colour the girls. Make them look different.
Complete the sentences.

1. Complete the sentences.
   
   a. __________________________ are inside your body.
   
   b. Bones form the __________________________.
   
   c. You bend your body at the __________________________.

2. Circle and write six joints.

   j o i n t s  b o n e s  s k e l e t o n

   a, q, h, b, c, d, h, j
   n, w, o, k, n, e, e, v
   k, v, u, z, g, l, j, c
   l, c, l, f, p, b, b, p
   e, m, d, h, x, o, f, g
   d, q, e, k, m, w, d, k
   y, w, r, i, s, t, x, y
**Muscles**

Name _____________________________________ Date __________

1 Look at Picture A. Copy the names of the muscles in Picture B.

![Muscle Diagrams]

2 Write T (true) or F (false).

☐ Muscles form your skeleton.

☐ Muscles are elastic.

☐ Muscles move your bones.

☐ You use your calf muscles to move your arms.

☐ You use your face muscles to express feelings.

3 Complete the sentence.

You use your _______ to move your ________.
1 Match.

Processed food

Fresh food

2 Where do these foods come from? Write animal or plant.

A

B

C

D

3 Draw two more foods: one from an animal and one from a plant.
Look at the food wheel. Write.

a. We should eat foods from these three groups every day.

b. We shouldn’t eat a lot of these foods.

c. To be healthy, we should do these two things.
1. Which objects contain air? Colour them.

2. Write T (true) or F (false).

- ☐ Air takes up space.
- ☐ Air does not move.
- ☐ You can see air.
- ☐ Air is a mixture of gases.
- ☐ Air contains oxygen.
- ☐ Living things need oxygen to live.

1. Look at the pictures and tick the true sentences.

- Snow is liquid water.
- We can hold liquid water in our hands.
- When liquid water is heated, it changes into water vapour.

2. Look at the pictures. Then draw the next picture.

3. Complete the sentences.

   a. When water is heated, it changes into ____________________.

   b. When water is cooled in a freezer, it changes into ____________________.
1. Colour the diagram.

- blue ➤ the Earth
- yellow ➤ the Sun
- green ➤ the movement of the Earth round the Sun

2. Match.

The Earth takes a year to move round the Sun.

The Earth takes a day to spin round.
1 Complete the sentences.

- **Constellations**
- **Sun**
- **Moon**

a. The ______ hasn’t got any water or air.
b. The ______ is the nearest star to Earth.
c. ______ are groups of stars.

2 Write *day or night* and complete the sentences.

- **A**
- **B**

a. It is ______ because ______

b. It is ______ because ______
Which way is the box moving? Colour the arrow.

What do these machines need to work? Colour.

Draw two more machines.
1. Tick the mammals. Then complete the sentence.

A, B, and C are mammals.

2. What do all mammals have in common? Tick.

- They are all viviparous.
- They have feathers.
- They drink their mother’s milk.
- They are all carnivores.
- They are living things.
- They are born from their mother's womb.
12

Birds and reptiles

Name ________________________________ Date __________

1. Describe these animals. Write Yes or No.

   a. It has scales.        ▶  ▶  ▶  
   b. It has feathers.      ▶  ▶  ▶  
   c. It is a vertebrate.  ▶  ▶  ▶  
   d. It flies.            ▶  ▶  ▶  
   e. It crawls.           ▶  ▶  ▶  
   f. It is a bird.        ▶  ▶  ▶  
   g. It is a reptile.     ▶  ▶  ▶  

2. Write the words. Colour the bird.

   head    leg
   trunk   wing
   tail

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13 Amphibians and fish

Name ___________________________________________ Date ___________

1 Look at the fish. Write the words.

Circle the amphibian.

A B C D

2

3 Now, complete the sentences.

a. Amphibians have __________ skin.

b. Amphibians are born from __________.

c. First, amphibians live in __________.

d. Then, they live on __________.
1. Are they vertebrates or invertebrates? Match.

Vertebrates
animals with bones

Invertebrates
animals without bones

2. Look at the picture and tick the true sentences.

- It is an invertebrate.
- It is an insect.
- Its body is covered with feathers.
- It has got bones.
- It is a butterfly.
- It has got wings.
- It lives in water.
1 Read the information and write the words.

- The **roots** are under the ground.
- The **stem** supports the plant.
- The **leaves** grow from the stem.

2 Match the plants to the descriptions.

A  Bush  It has a short, hard stem.

B  Tree  It has a hard, thick stem called a trunk.

C  Grass  It has a soft, green stem.
1. What can you see in a mountain landscape? Tick.

A B C D

2. Now complete the text.

roads forests villages rivers

In mountain landscapes there are _______ and _______.

The _______ are narrow and the _______ are small.

3. Look at the coastal landscape. Circle the man-made elements.
17 Your neighbourhood

Name ___________________________ Date ____________

1 Match.

a. Gardeners ○ ○ organise public services.
b. Firefighters ○ ○ keep the city clean.
c. The mayor and the councillors ○ ○ look after the gardens and parks.
d. The police ○ ○ fight fires.
e. Rubbish collectors ○ ○ look after security and traffic.

2 Which public service do these people need? Tick.

A Some lights in my street are not working.

☐ street lighting
☐ firefighters

B We need a rubbish bin in this street.

☐ rubbish collection
☐ parks and gardens
How do they travel? Colour the pictures.

- red ➤ on land
- blue ➤ by air
- green ➤ by sea

A

B

C

D

E

Complete the sentences with these words.

- passengers
- air
- merchandise
- sea
- land

a. Cars carry ____________________.

b. Ships travel by ____________________.

c. Lorries carry ____________________.

d. Aeroplanes travel by ____________________.

e. Buses travel on ____________________.
Look at the picture. Then tick the correct answers.

1. Where should pedestrians cross the road?
   - At the bus stop.
   - At the zebra crossing.

2. Where should you wait for the bus?
   - At the bus stop.
   - In the road.

3. Where should children travel in cars?
   - In the front of the car.
   - In the back of the car.

4. What should people wear in cars?
   - Helmets.
   - Seat belts.

5. Where should children play ball?
   - In the park.
   - On the pavement.

6. Where do cars and buses travel?
   - On the road.
   - On the pavement.
1. Where do the products go? Colour the paths.

2. Complete the sentence.

   raw materials  factories  manufactured products

   In __________________ workers use __________________ to make __________________.

3. Match the products to the shops.

   a. medicines  ○
   ○ bookshop
   ○ chemist's
   ○ greengrocer's
   ○ baker's

   b. cakes  ○
   ○ bookshop
   ○ chemist's
   ○ greengrocer's
   ○ baker's

   c. books  ○
   ○ bookshop
   ○ chemist's
   ○ greengrocer's
   ○ baker's

   d. oranges  ○
   ○ bookshop
   ○ chemist's
   ○ greengrocer's
   ○ baker's
21

Clocks and calendars

Name ________________________________ Date ____________

<table>
<thead>
<tr>
<th>Mon</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
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</thead>
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<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**1. Look at the calendar and answer the questions.**

a. How many days are there in this month? ____________________________

b. What day is the first Monday in this month? ________________________

c. What day of the week is the 23rd? ________________________________

d. How many Sundays are there in this month? _______________________

**2. What did John do yesterday? Draw the time on the clocks.**

He had breakfast at seven o’clock.

An hour later he went out.

He went back home four hours later.

He visited his grandmother at six o’clock.

He was there for two hours.

He went to bed at ten o’clock.
Then and now

Name ___________________________ Date ____________

1. Look at the pictures and write Then or Now.

A

B

C

D

2. Complete the sentences.

- tractors
- washing machines
- ploughs
- by hand

a. Then, people washed their clothes _____________________.

b. Now, people wash their clothes in _____________________.

c. Then, farmers used _____________________.

d. Now, they use _______________________.

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EXTENSION WORKSHEETS
1 Surnames

Your surname is the name of your family. Every surname has a different origin. Surnames which end in ‘son’ mean ‘son of’. Jackson is ‘son of Jack’ and Thomson is ‘son of Thomas’. Other surnames come from the names of professions. A potter is a person who makes pots, so one of Harry Potter’s ancestors was a potter. Other surnames from professions are Butcher, Baker and Smith. Some surnames come from plants, such as Rose, Rush and Wood. Other surnames come from the names of animals, such as Wolf and Fox.

1 Find six surnames and write them.

JACKSON
PBAKER
RUSHBURN
CBSMITH
BUTCHER
RSEWOLF

2 What are their surnames? Write.

Rose
Rush
Wood
How much do you know about your body?

a. What do your bones form?
   
   ________________________________

b. Write two bones in your arm.
   
   ________________________________

b. Write two bones in your leg.
   
   ________________________________

d. Write one of the joints in your arm.
   
   ________________________________

e. Write one of the joints in your leg.
   
   ________________________________

f. Write one muscle you use to move your arm.
   
   ________________________________

g. What is the name of a muscle in your chest?
   
   ________________________________

h. What muscles do you use to express feelings?
   
   ________________________________

i. What goes into your lungs?
   
   ________________________________
### Making yoghurt

Yoghurt is very good for you. It has got a lot of calcium and protein. It is very easy to make.

**You need:**
- Half a litre of milk
- A spoonful of plain yoghurt
- A glass jar with a lid

1. Heat the milk, but don’t boil it.
2. Let the milk cool.
3. Put a spoonful of yoghurt in the jar.
   - Add the milk. Stir the milk and the yoghurt.
   - Put the lid on the jar.
4. Wrap the jar in newspaper. Leave it in a warm place for six hours.
5. Put the jar in the fridge until it is cold.

#### How do you make yoghurt? Put the pictures in order. Write 1, 2, 3 and 4.

[Images of steps 1 to 4]

#### Complete the sentences.

a. Yoghurt has got a lot of ______ to help you to grow.

b. It has got a lot of ______ to make your bones strong.
1. Write the food groups in the food wheel.

- vegetables
- proteins
- dairy products
- fats
- cereals
- fruits
2. Draw a pizza. Use foods from 4 different food groups.

- Write down your pizza ingredients.

3. Write and draw a healthy menu for lunch.

- Tell a classmate why your menu is healthy.
A desert of water

The Antarctic is one of the biggest deserts in the world, although it is not hot there and there is no sand. There is just a lot of water. Over half of the fresh water on the planet is in the Antarctic in the form of snow.

The Antarctic is at the South Pole and all the ground is frozen. The temperatures are very low. It is too cold for most living things, but penguins, seals and whales can live there.

1. Complete the card about the Antarctic.

<table>
<thead>
<tr>
<th>The Antarctic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location:</td>
</tr>
<tr>
<td>Ground:</td>
</tr>
<tr>
<td>Temperatures:</td>
</tr>
<tr>
<td>Animals:</td>
</tr>
</tbody>
</table>

2. Answer the questions.
   a. Is snow salt water or fresh water? 
   b. Where can you find fresh water? 
   c. Where can you find salt water?
Shooting stars

Shooting stars are bright, white lights which cross the sky very quickly. They are not really stars. They are rocks which burn when they enter the Earth’s atmosphere. Real stars are much bigger and brighter, like the Sun.

If you want to see shooting stars, you need to go to the country or somewhere away from city lights. Wait for a clear night with no clouds. Then, all you need is a bit of patience!

1 Write T (true) or F (false).

☐ Shooting stars are rocks.

☐ Real stars are smaller than shooting stars.

☐ It is more difficult to see shooting stars in a city.

2 Put the letters in order to find the names of three constellations.

AURUST

TOPORIS

EL
An amazing inventor

We use lots of machines every day. Every machine has an inventor: someone who had a brilliant idea and invented the machine.

Yoshiro Nakamatsu is a Japanese inventor. He has invented over two thousand objects!

Nakamatsu is over eighty years old. He wants to live a long time because he wants to invent more things. His latest invention is Pyon Pyon jumping shoes. If you wear these shoes, you don’t walk – you jump!

1. Answer the questions.

a. Who is Yoshiro Nakamatsu? 

b. How many objects has he invented? 

c. What is his latest invention? 

2. Invent and draw a machine which spreads butter on bread.
Elephant talk

People talk. Animals do not talk, but they communicate with each other. Birds communicate with each other by singing and chirping. Dogs bark, and bees dance in front of other bees.

Elephants have different ways of communicating. This is one of them: they use their feet to send messages to other elephants. How do they do this?

The elephant stamps his foot on the ground and makes it vibrate. Other elephants ‘hear’ the message through their feet. But what are the elephants saying? People think they are messages about danger or messages just to say ‘hello’. But only the elephants know!

1. Use the key to complete these words and find the sounds these animals make.

- TRUMPET
- CHATTER
- QUCK
- CHARP
- HASS
9 Other animals

Name ___________________________________________ Date _____________

Frogs and toads

There are many types of frogs and toads. Goliath frogs are the biggest frogs. They are as big as your school bag. The smallest frog, the Gold frog, is the size of your fingernail.

Some frogs can jump very far. There is one species which can jump the length of a football field.

Many frogs and toads can change the colour of their skin. But the champion is the Fire-bellied toad. When it wants to hide, it is the colour of the plants and stones around it. But when it is attacked, its belly changes to red and black!

1. Answer the questions.
   a. Which is bigger, the Goliath frog or the Gold frog?

   ___________________________________________

   b. What colour is the belly of the Fire-bellied toad when it is attacked?

   ___________________________________________

2. Write reptile, fish or amphibian.

   ___________________________________________
   ___________________________________________
   ___________________________________________

• Can you name these animals?
**Make a leaf album**

- Collect different types of leaves in the country or in a park.
- Put each leaf between two pages of newspaper and put some heavy books on top. The paper absorbs the damp and the heavy books make the leaves flat. The leaves dry in about ten days.
- Then, put one leaf on each page of a drawing book. Write information about it:
  - the name of the plant or tree
  - the day and the place you collected it
  - the shape and colour of the leaves
- Put a piece of paper between each page to protect the leaves.

1. **These foods are parts of plants. Which part? Match.**

   - **A**
     - seed
   - **B**
     - stem
   - **C**
     - leaf
   - **D**
     - fruit
   - **E**
     - root
The Sea of Tranquility

When you look at the Moon from Earth, you can see dark areas on the surface. One of the biggest areas is called the Sea of Tranquility. It is a large area of sunken ground. From Earth, it looks like a sea.

Neil Armstrong and Buzz Aldrin were the first astronauts to land on the Moon. They landed in the Sea of Tranquility.

Like all the other ‘seas’ on the Moon, this sea has no water and no beach, but it is certainly tranquil.

1 Answer the questions.

a. What is the Sea of Tranquility?

b. Who are Neil Armstrong and Buzz Aldrin?

c. Where did they land?

d. Is the Sea of Tranquility the only ‘sea’ on the Moon?

2 Investigate and find the names of some other lunar seas.
12 Living together

Name ____________________________ Date __________

Family trees

A family tree is a diagram which shows the members of a family and the relationship between them. The oldest members of the family go at the top of the tree and the youngest members go at the bottom.

1 Look at the family tree. Circle the paternal grandparents in red. Circle the maternal grandparents in blue.

2 Now draw your family tree.
13

Transport

Name ____________________________ Date ____________

Road signs

1. Match the signs to their meanings.

   - stop
   - give way
   - zebra crossing
   - petrol station
   - car park
   - no entry

2. Draw the route which Emma should take to the library.

3. Match and write the words.

   - pavement
   - bus stop
   - zebra crossing

   a. You wait for the bus here.

   b. You cross the road here.

   c. Pedestrians walk on this.
Old professions, new jobs

Jobs were very different a long time ago. Many people could not read or write, so scribes wrote documents for other people. Town criers walked through the towns ringing their bells and shouting the news. These days, many old professions still exist: teachers, potters, bakers...

New inventions create new professions. For example, computers need computer engineers, technicians and programmers. Aeroplanes need pilots, stewards and technicians.

1 Underline the professions in the text. Then do the crossword.

B
S T E S
T

2 Match.

a. A town crier…  ○  o makes things out of clay.
b. A scribe…  ○  o flies aeroplanes.
c. A pilot…  ○  o shouts the news.
d. A potter…  ○  o writes documents.
Who is who?

1 Who is who? Read the information and write the names.

Sam was born a long time after Paul and before Dan.
Fred has got a moustache and does not wear glasses. He is the oldest.
Paul has got a moustache and he never wears a hat. He was born after Fred.
Dan was born after Sam. He is the youngest.
1 Look at the picture and write the words.

foot
head
hand
eye
arm
leg
nose
mouth
ear

2 Where does the food come from? Write plant or animal.

[Images of food items: eggs, pears, cheese, vegetables, meat]
3 Match the rooms and the furniture.

Living room  bathroom  bedroom  kitchen

4 Circle the five living things.

d r a b b i t  j
x r c t r e e k
m o u s e c o l
p l a n t g v
v y b l i o n h

5 Look at the plant and write the words.

stem  leaves  roots
1 Look at the pictures. How are the girls different? Write four sentences.

a. Olga has got ____________________________.
b. Anne has got ____________________________.
c. Olga ____________________________.
d. Anne ____________________________.

2 Complete the card with your personal information.

Name: ______________________________________
Surname(s): ______________________________________
Date of birth: ____________________________
Day: ______ Month: ______ Year: ____________
Place of birth: ______________________________________
3 Match the children and their feelings.

Happy | sad | scared | angry

A | B | C | D

4 Happy or sad? Complete the sentences.

a. When it’s my birthday, I feel ____________.

b. When my friend is sad, I feel ____________.

5 Tick the correct answers.

a. ☐ All children are different.
   ☐ All children are the same.

b. ☐ All children have the same rights.
   ☐ All children have different rights.

6 Complete.

a. Everybody expresses ________________.

b. It is important to respect ________________. 
1. Complete the sentences.

- **muscles**
- **joints**
- **bones**

a. ______ are hard and rigid and form the skeleton.
b. ______ are elastic and cover the skeleton.
c. You bend your body at the ______.

2. Write the names of the joints.

3. Write two bones and two muscles.
Read then tick the correct answers.

4. You breathe air in through your...
   - [ ] nose.
   - [x] lungs.

b. The air goes down a tube called the...
   - [x] lung.
   - [ ] trachea.

c. Lungs are like...
   - [ ] bags.
   - [x] bones.

d. When you breathe out...
   - [ ] you empty your lungs.
   - [x] you fill your lungs.

5. Label the diagram. Draw arrows to show the direction of the air when you breathe in.
Where does fresh food come from? Answer.

Use the key and circle the foods.

red ▶ fresh food  blue ▶ processed food

Classify these foods.

bananas  tomatoes  sardines  chicken  apples  eggs

Food from animals

Food from plants
4 How is bread made? Put the pictures in order. Write 1, 2, 3 and 4.

5 Complete these sentences.

- **vitamins**
- **carbohydrates**
- **proteins**
- **fats**

a. Sugar has ____________, which give us energy.

b. Milk has ____________, which help us grow.

c. Oil has ____________, which give us energy.

d. Vegetables have ____________, which help us to be healthy.
Keeping healthy

Name _____________________________________________ Date ______________

1 Complete these sentences.

- headache
- fever
- broken arm
- stomachache

a. If you have a __________, take an aspirin.
b. If you have a __________, take your temperature.
c. If you have a __________, go to the doctor.
d. If you have a __________, have an X-ray.

2 Circle the foods you should eat every day.

A  B  C  D

E  F  G  H
3 Look at this menu. Why is it healthy? Match the sentences.

**Starter**
- Macaroni

**Main course**
- Fish and salad

**Dessert**
- Orange

- a. Macaroni has carbohydrates.  [ ] They help you to grow.
- b. Fish has proteins.  [ ] They keep you healthy.
- c. Salad and oranges have vitamins.  [ ] They give you energy.

4 Which children have healthy habits? Tick.

- A
- B
- C
- D
- E
- F
5

Air and water

Name ____________________________ Date ____________

1 Complete the sentences.

- gases
- oxygen
- air

a. _________ is a mixture of different gases.

b. People, animals and plants need ____________ to live.

c. Oxygen is one of the ____________ in air.

2 Use the key and circle the objects.

- red ➤ It contains air.
- blue ➤ It moves with air.

A  B  C  D

3 Match.

- a. Water is a...
- b. Water vapour is a...
- c. Ice is a...

- solid.
- liquid.
- gas.
4) Look at the pictures and complete the sentences.

A

B

C

solid    fridge    water    ice    liquid

a. Tim and Sally put some _______ in the tray.
   Water is a _______.

b. Then, they put the tray in the _______.

c. Later, there is _______ in the tray.
   Ice is a _______.

5) Who is saving water? Colour the good habit.

A

B
6 Planet Earth

Name ________________________________ Date ____________

1 Write the names. Then, colour the picture.

brown ➤ land  blue ➤ air  green ➤ water

2 Complete the sentences.

air  Earth  water  Sun

a. The __________ moves round the Sun.
b. The Earth gets light from the __________.
c. Most of the Earth is covered by __________.
d. There is __________ all around the Earth.

3 Match.

The Earth moves round the Sun.  A day
The Earth spins round.  A year
4 Look at the diagram. Write the words.

day  Earth  night  Sun

5 Tick the true sentences. Then, correct the false sentences.

☐ The Earth moves round the Moon.
☐ We see the Moon and stars during the day.
☐ The Earth takes one month to move round the Sun.
☐ The Moon hasn’t got any air or water.
☐ The Sun is the nearest star to the Earth.

[Corrected sentences here]
1. What can forces do? Use the code and colour the pictures.

- yellow ➤ move
- red ➤ stop
- blue ➤ change shape
- green ➤ break

2. What are these machines used for? Match.

- carrying objects
- squeezing oranges
- cutting

- keeping food fresh
- lifting
- listening to music
3 Write the machines.

- lorry
- television
- stapler

It works with human force. A ____________.

It works with petrol. A ____________.

It works with electricity. A ____________.

4 Write the parts of the computer.

- speakers
- mouse
- keyboard
- CPU
- printer
- monitor

5 What are computers used for?

a. To ____________.

b. To ____________.

c. To ____________.
8

Animals

Name ___________________________________________ Date _____________

1 Use the code and circle the animals.

- brown ➤ mammals
- blue ➤ birds
- green ➤ reptiles

A

B

C

D

E

F

2 Match.

a. Viviparous animals... are born from eggs.
b. Oviparous animals... are born from their mother’s womb.

3 Which animals are oviparous? Tick.

A  B  C

D  E  F
Name ________________________________

4 Write the parts of the bird.

- head
- trunk
- tail
- leg
- wing
- beak

5 Complete the sentences.

a. Birds are born from ____________________________.

   Their bodies are covered with ____________________________.

b. Mammals are born from their mother's ____________________________.

   Their bodies are covered with ____________________________.

c. Reptiles are born from ____________________________.

   Their bodies are covered with ____________________________.
9

Other animals

Name ___________________________ Date __________________

1 Classify the animals.

- trout
- beetle
- fly
- frog
- salamander
- shark

Fish
Amphibians
Insects

2 Write the parts of the fish.
Classify the animals. Then, answer the question.

Vertebrates

Invertebrates

What are invertebrates?

Name these invertebrates.

A

B

C

D

E

F
1 How do plants grow? Number the pictures 1, 2 and 3.

A  B  C

2 Write the parts of the tree.

[Diagram of tree with parts labeled]

3 Match and write.

A  B  C

tree  bush  grass
Write the words.

grasses  water  oxygen  stem  seeds

a. Plants provide [ ] and food for other living things.

b. Plants need [ ], air, sunlight and soil.

c. Plants grow from [ ].

d. Plants have roots, a [ ] and leaves.

e. Plants can be trees, bushes or [ ].

What do plants need? Write.

What do plants give us? Draw three things.
1. Look at the picture and write the words.

   river  mountain  forest  field  bridge  village

2. Classify the words from Activity 1.

   Natural elements

   Man-made elements
Look at this coastal landscape and complete the sentences.

3. a. A beach is the ______ part of the land near the sea.
   b. A cliff is the ______ part of the land near the sea.

4. Tick the correct answers.
   a. In mountain landscapes, there are mountains, forests and ______ beaches. ______ narrow rivers.
   b. The coast is the area of land which is near ______ the sea. ______ the mountains.
   c. There are lighthouses on the ______ mountains. ______ coast.

5. Circle the points of the compass. Then, write them.

   x h e a s t
   d n o r t h
   l q w v z g
   s w e s t t
   p k r c f w
   s o u t h j
1. Match the definitions.

   a. My mother’s mother is…
   b. My uncle’s child is…
   c. My father’s sister is…
   d. My mother’s brother is…

   - my uncle
   - my aunt
   - my grandmother
   - my cousin

2. Who does these things in your house? Write.

   A
   B
   C

3. Which children are good students? Tick.

   [ ]
   [ ]
   [ ]
Match the pictures to the jobs. Then match the sentences.

- gardener
- rubbish collector
- firefighter
- policeman

A
B
C
D

☐ She looks after the parks.
☐ He keeps the city clean.
☐ He looks after security and traffic.
☐ She fights fires.

Tick the correct answer.

a. In your village or city, the place where you live is your...
   ☐ neighbourhood.  ☐ school.

b. The … is the head of the local council.
   ☐ gardener.  ☐ mayor.

c. The local council organises...
   ☐ the schools.  ☐ the public services.

d. Street lighting is...
   ☐ a public service.  ☐ a service for families.
13 Transport

Name _____________________________  Date _____________

1 Match.

A  B  C  D

land transport
sea transport
air transport

2 What do these means of transport carry? Write passengers or merchandise.

A  B  C  D

passengers
merchandise
Write three examples of public transport.

Look and write.

Match each symbol to its meaning.

A

Seat reserved for pregnant women.

B

Seat reserved for disabled people.
14 Jobs

Name _____________________________  Date ____________

1 Use the key and circle.

- red ➤ raw materials
- blue ➤ manufactured products

2 What raw materials do you need to manufacture these products? Write.

- milk
- wool
- leather
- wood

A table ➤ _______________________
A sweater ➤ _______________________
Butter ➤ _______________________
Shoes ➤ _______________________

3 Complete the sentences.

- shops ➤ raw materials ➤ products

Workers use [ ] to make manufactured [ ].

We buy manufactured products in [ ].
Where can you buy these products? Write.

books
meat
cakes
medicines

Look at these means of communication. Write personal or media.

—which means of communication? Write the words.

a. I can talk to a friend, but I can’t see her.
b. I can find information from texts, photographs and videos.
c. I can read about the news in other countries.
d. I can watch a football match at my house.
Write \( T \) (true) or \( F \) (false).

- Clocks and calendars measure time.
- Clocks measure weeks and months.
- Clocks measure minutes and seconds.
- There are seven days in a month.

Look at the calendar and answer the questions.

a. How many days are there in this month?

b. What day of the week is 7\(^{th} \) December?

c. What day is the last day of the month?

Match the old and modern objects.
4 Circle the oldest object in each pair.

5 Compare the pictures. Circle three objects which have changed with time.
1 Match.

- tibia
- radius
- humerus
- arm
- leg
- trunk
- femur
- ribs
- pelvis

2 Write the names of the muscles.

3 Classify the foods.

- lentils
- sardines
- oranges
- meat
- eggs
- tomatoes

Foods from animals

Foods from plants
4 Circle the foods you should eat every day.

A 💡
B 💡
C 💡
D 💡
E 💡
F 💡
G 💡
H 💡
I 💡
J 💡
K 💡

5 Tick the true sentences about water. Then correct the false sentences.

☐ If you heat water, it changes into ice.
☐ If you freeze water, it changes into water vapour.
☐ Water vapour is a solid.
☐ Ice is a solid.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
1 Complete the sentences.

a. The Earth takes _______ to spin round.

b. The Earth takes _______ to move round the Sun.

c. The Moon moves round _______.

2 Use the key to colour the machines.

blue  ➤ It uses electricity.  red  ➤ It uses petrol.

green ➤ It uses human energy.

3 Vertebrate or invertebrate? Write V or I.

A  B  C  D  E  F

[Images of various animals and insects]
4 Complete the sentences.

- **Amphibians**
- **Mammals**
- **Reptiles**
- **Fish**
- **Birds**

a. _______ are vertebrates and have fins and scales.

b. _______ have bare skin and are oviparous.

c. _______ are born from their mother’s womb.

d. _______ have scales and crawl.

e. _______ have wings, feathers and a beak.

5 Classify the plants.

- [ ] holm oak
- [ ] poppy
- [ ] wheat
- [ ] cypress
- [ ] lavender
- [ ] thyme

- **Trees**
- **Bushes**
- **Grasses**

6 Write the five main parts of a plant.
1 What type of landscape is it? Read, then write.

There are beaches, cliffs and the sea. A lot of people live there.

a. It is a _______ landscape.

There are forests, fields and rivers. The villages are very small.

b. _______

2 Who does these jobs in the neighbourhood?

a. They are responsible for the local council.

The _______ and the _______.

b. They look after the parks. The _______.

c. They keep the town clean. The _______ _______.

d. They fight fires. The _______.

3 Write two means of transport in each case.

a. They carry passengers. _______

b. They carry merchandise. _______
4 Use the key and circle.

- blue ★ raw materials
- red ★ manufactured products

5 Look at the calendar and answer the questions.

<table>
<thead>
<tr>
<th>Mon</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
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</tr>
</tbody>
</table>

a. How many days are there in this month? 

b. What day of the week is the 14th? 

c. How many Thursdays are there? 

d. What day is the last day of the month?
Pairwork activities for oral practice.

These pages offer fun, communicative activities to stimulate oral production. There is one speaking game per term, related to topics in the Student’s Book. Teaching notes at the foot of the pages can be cut off.

**Food crossword and Island map.**

Divide the students into pairs. Each student has version A or B of the game. Make sure students do not show their version to their partner.

Demonstrate the game with a volunteer and teach any new vocabulary. Write the questions on the board.

**Guess the animal.**

This is a card game to guess the different animals.

Beforehand, revise animals and their characteristics. Then, practise the questions and write them on the board. Students shouldn’t show their cards until their partner has guessed the animal.
Food crossword

Play the game

1. Students work in pairs. Give each student version A or B of the crossword. The aim of the game is for students to help each other complete their crosswords without showing their version. Teach the words ‘across’ and ‘down’.
2. Students ask each other for clues. They are not allowed to say the answer directly.

Oral practice

SA: What is 2 down?
SB: It’s a drink. It’s white. It gives you calcium.
SA: Is it milk?
SB: That’s right.

3. Once the crosswords are completed, students can work together to classify the foods into food groups.
**Speaking games**

**Alternative questions**

SA: What is 2 down?
SB: It’s a drink. It begins with “M”.
SA: Give me another clue.
SB: It’s white.
SA: Give me another clue.
SB: It gives you calcium.
SA: Is it milk?
SB: Yes, that’s right.

**Solution**

```
P O T A T O   M E A T
A I
S U G A R L
T R K I W I
A 7 L
E 9 O
N 10 G
11 T
S A R D I N E U
L R T
14 F I S H
```
Guess the animal

wolf
monkey
goldfinch

chicken
eagle
lizard

Play the game

1. Students work in pairs. Give each pair a copy of the animal cards. They cut them out and place the pack face down on the table.

2. They take turns to pick a card, without showing it to their partner. Their partner asks ‘Yes / No’ questions to guess the animal.

3. Establish the rule that they cannot say the name of an animal until their partner has asked a minimum of four questions.

For example:

Is it a carnivore / herbivore?
Is it viviparous / oviparous?
Is it a fish? / Has it got scales?
Is it orange and white?
Is it grey?
Is it big / small?
Is it a trout?
crocodile  trout  clown fish
frog  butterfly  fly
worm  wasp  octopus
Play the game

1. Students work in pairs. Give each student a photocopy of map A or B. They cut out the maps with their corresponding question prompts.

2. Explain that Bayport, Pinewood, Bridgetown and Sandhill are towns.

3. Students take turns to ask and answer questions to complete their maps. They draw in the missing elements.

Questions Student A

Pinewood  airport
lighthouse  palm trees
port  road

Island map
4. Encourage them to say the compass points, and to use prepositions such as between, near, next to, etc.

For example:
SA: Where’s Pinewood?
SB: It’s in the East. It’s near the bridge.
SA: Thanks.

5. When students have finished, they compare their maps to see if they are identical.
ANSWER KEYS
Reinforcement

1. You and me

Name __________________________ Date ___________

1. How are they feeling? Match and write.

- happy
- sad
- angry
- scared

2. Colour the girls. Make them look different. Open answer

3. Match.

- animal
- plant

2. Bones and joints

Name __________________________ Date ___________

1. Complete the sentences.

- joints
- bones
- skeleton

a. ___________ are inside your body.

b. Bones form the ___________.

c. You bend your body at the ___________.

2. Circle and write six joints.

- knee
- elbow
- shoulder
- wrist
- hip
- ankle

3. Muscles

Name __________________________ Date ___________

1. Look at Picture A. Copy the names of the muscles in Picture B.

- pectoral
- biceps
- calf muscle
- abdominal

2. Write T (true) or F (false).

T Muscles form your skeleton.
F Muscles are elastic.
T Muscles move your bones.
F You use your calf muscles to move your arms.
F You use your face muscles to express feelings.

3. Complete the sentence.

You use your ___________ to move your ___________.

4. Food

Name __________________________ Date ___________

1. Match.

- Processed food
- Fresh food

2. Where do these foods come from? Write animal or plant.

3. Draw two more foods: one from an animal and one from a plant. Open answer
5 Keeping healthy

Look at the food wheel. Write.

a. We should eat foods from these three groups every day.

b. We shouldn’t eat a lot of these foods.

c. To be healthy, we should do these two things.

You should eat some foods from the centre of the wheel.

You should do a lot of exercise and drink a lot of water.

6 Air

Which objects contain air? Colour them.

Write T (true) or F (false).

Air takes up space.
Air does not move.
You can see air.
Air contains oxygen.
Living things need oxygen to live.

Which objects move with air? Circle.

7 Water

Look at the pictures and tick the true sentences.

Snow is liquid water.
We can hold liquid water in our hands.
When liquid water is heated, it changes into water vapour.

Look at the pictures. Then draw the next picture.

Complete the sentences.

When water is heated, it changes into __________.
When water is cooled in a freezer, it changes into __________.

8 The Earth and the Sun

Colour the diagram.

Match.

The Earth takes a year to move round the Sun.
The Earth takes a day to spin round.

The Earth and the Sun
Reinforcement

9 The Moon and the stars

Complete the sentences.

Constellations  Sun  Moon

a. The _______ doesn’t get any water or air.
b. The _______ is the nearest star to Earth.
c. _______ are groups of stars.

Write day or night and complete the sentences.

a. It is _______ because the Sun is down.
b. It is _______ because you can see the Moon.

10 Forces and machines

Which way is the box moving? Colour the arrow.

What do these machines need to work? Colour.

- human force
- electricity
- wind

Draw two more machines. Open answer

11 Mammals

Tick the mammals. Then complete the sentence.

A  B  C  D  E  F

Dog  Pig  Cow  Elephant

They are all viviparous.
They have feathers.
They drink their mother’s milk.
They are all carnivores.
They are living things.
They are born from their mother’s womb.

What do all mammals have in common? Tick.

What do all mammals have in common? Tick.

12 Birds and reptiles

Describe these animals. Write Yes or No.

a. It has scales.  ▶ ▶  ▶
b. It has feathers.  ▶  ▶  ▶
c. It is a vertebrate.  ▶  ▶
d. It flies.  ▶  ▶  ▶
e. It crawls.  ▶  ▶  ▶
f. It is a bird.  ▶  ▶  ▶
g. It is a reptile.  ▶  ▶  ▶

Write the words. Colour the bird.

head  leg  wing  tail
Reinforcement

13 Amphibians and fish

Look at the fish. Write the words.

Circle the amphibian.

Now, complete the sentences.

a. Amphibians have __________ skin.
b. Amphibians are born from __________
c. First, amphibians live in __________
d. Then, they live on __________

14 Insects

Are they vertebrates or invertebrates? Match.

Look at the picture and tick the true sentences.

15 Plants

Read the information and write the words.

Match the plants to the descriptions.

Bush
It has a short, hard stem.

Tree
It has a hard, thick stem called a trunk.

Grass
It has a soft, green stem.

16 Landscapes

What can you see in a mountain landscape? Tick.

Now complete the text.

In mountain landscapes there are __________ and __________.

The __________ are narrow and the __________ are small.

Look at the coastal landscape. Circle the man-made elements.
17 Your neighbourhood

Match.

- Gardeners
- Firefighters
- The mayor and the councillors
- The police
- Rubbish collectors
- Organise public services.
- Keep the city clean.
- Look after the gardens and parks.
- Fight fires.
- Look after security and traffic.

Which public service do these people need? Tick.

- Some lights in my street are not working.
- We need a rubbish bin in this street.
- Street lighting
- Firefighters
- Rubbish collection
- Parks and gardens

18 Transport

How do they travel? Colour the pictures.

- On land
- By air
- By sea

Complete the sentences with these words.

- Passengers
- Air
- Merchandise
- Sea
- Land

1. Cars carry ____________
2. Ships travel by ____________
3. Lorries carry ____________
4. Airplanes travel by ____________
5. Buses travel on ____________

19 Road safety

Look at the picture. Then tick the correct answers.

- Where should pedestrians cross the road?
  - At the bus stop.
  - At the zebra crossing.
- Where should you wait for the bus?
  - At the bus stop.
  - In the road.
- Where should children travel in cars?
  - In the front of the car.
  - In the back of the car.
- What should people wear in cars?
  - Helmets.
  - Seat belts.
- Where should children play ball?
  - In the park.
  - On the pavement.
- Where do cars and buses travel?
  - On the road.
  - On the pavement.

20 Manufactured products

Where do the products go? Colour the paths.

Complete the sentence.

- Raw materials
- Factories
- Manufactured products

In ____________ workers use ____________ to make ____________

Match the products to the shops.

- Medicines
- Cakes
- Books
- Greengrocer’s
- Money
- Bookshop
- Chemist’s
- Green grocer’s
- Baker’s
Reinforcement

Clocks and calendars

Look at the calendar and answer the questions.

a. How many days are there in this month?

b. What day is the first Monday in this month?

c. What day of the week is the 23rd?

d. How many Sundays are there in this month?

What did John do yesterday? Draw the time on the clocks.

He had breakfast at seven o’clock. An hour later he went out. He went back home four hours later. He visited his grandmother at six o’clock. He was there for two hours. He went to bed at ten o’clock.

Then and now

Look at the pictures and write Then or Now.

Then

Now

Complete the sentences.

a. Then, people washed their clothes by hand.

b. Now, people wash their clothes in washing machines.

c. Then, farmers used ploughs.

d. Now, they use tractors.

What did John do yesterday? Draw the time on the clocks.

a. How many days are there in this month?

b. What day is the first Monday in this month?

c. What day of the week is the 23rd?

d. How many Sundays are there in this month?
Extension

1 You and me

Name ___________________________ Date ____________

Surname

Your surname is the name of your family. Every surname has a different origin. Surnames which end in 'son' mean 'son of'. Jackson is 'son of Jack' and Thomson is 'son of Thomas'. Other surnames come from the names of professions. A potter is a person who makes pots, so one of Harry Potter’s ancestors was a potter. Other surnames from professions are Butcher, Baker and Smith. Some surnames come from plants, such as Rose, Rush and Wood. Other surnames come from the names of animals, such as Wolf and Fox.

Find six surnames and write them.

JACKSON
PAKER
Baker
Baker
RUSH
Wood

What are their surnames? Write.

Rose
Potter
Wolf

2 Food

Name ___________________________ Date ____________

Making yoghurt

Yoghurt is very good for you. It has got a lot of calcium and protein. It is very easy to make.

You need:
• Half a litre of milk
• A spoonful of plain yoghurt
• A glass jar with a lid

1. Heat the milk, but don’t boil it.
2. Let the milk cool.
3. Put a spoonful of yoghurt in the jar. Add the milk. Stir the milk and the yoghurt. Put the lid on the jar.
4. Wrap the jar in newspaper. Leave it in a warm place for six hours.
5. Put the jar in the fridge until it is cold.

How do you make yoghurt? Put the pictures in order. Write 1, 2, 3 and 4.

Complete the sentences.

a. Yoghurt has got a lot of ______ to help you to grow.

b. It has got a lot of ______ to make your bones strong.

3 Keeping healthy

Name ___________________________ Date ____________

Write the food groups in the food wheel.

vegetables
proteins
cereals
fruits
dairy products

4 Your body

Name ___________________________ Date ____________

Body quiz

How much do you know about your body?

a. What do your bones form?

Model answer

b. Write two bones in your arm.

Model answer

radius, ulna

c. Write two bones in your leg.

Model answer

femur, tibia

d. Write one of the joints in your arm.

Model answer

elbow

e. Write one of the joints in your leg.

Model answer

knee

f. Write one muscle you use to move your arm.

Model answer

biceps

g. What is the name of a muscle in your chest?

Model answer

pectoral

h. What muscles do you use to express feelings?

Model answer

face muscles

i. What goes into your lungs?

Model answer

air
Extension

4. Name ____________________________

2. Draw a pizza. Use foods from 4 different food groups.

   Starter
   Open answer
   Write down your pizza ingredients.
   - bread
   - cheese
   - tomatoes
   - bacon

   Main course
   Open answer

   Dessert
   Open answer

   Tell a classmate why your menu is healthy.

6. Name ____________________________ Date ____________

6. Planet Earth

   Shooting stars
   Shooting stars are bright, white lights which cross the sky very quickly. They are not really stars. They are rocks which burn when they enter the Earth’s atmosphere. Real stars are much bigger and brighter, like the Sun.

   If you want to see shooting stars, you need to go to the country or somewhere away from city lights. Wait for a clear night with no clouds. Then, all you need is a bit of patience!

   1. Write T (true) or F (false).
      - Shooting stars are rocks. [T]
      - Real stars are smaller than shooting stars. [F]
      - It is more difficult to see shooting stars in a city. [T]

   2. Put the letters in order to find the names of three constellations.

      "AUR" "POL" "PE" "LOE" "TIM" "POL"

   Extension

5. Name ____________________________ Date ____________

5. Water

   A desert of water
   The Antarctic is one of the biggest deserts in the world, although it is not hot there and there is no sand. There is just a lot of water. Over half of the fresh water on the planet is in the Antarctic in the form of snow.

   The Antarctic is at the South Pole and all the ground is frozen. The temperatures are very low. It is too cold for most living things, but penguins, seals and whales can live there.

   2. Complete the card about the Antarctic.

      Location: South Pole
      Ground: Frozen
      Temperatures: Very low
      Animals: Penguins, seals and whales

   Extension

7. Name ____________________________ Date ____________

7. Machines

   An amazing inventor
   We use lots of machines every day. Every machine has an inventor: someone who had a brilliant idea and invented the machine.

   Yoshiro Nakamatsu is a Japanese inventor. He has invented over two thousand objects!

   Nakamatsu is over eighty years old. He wants to live a long time because he wants to invent more things. His latest invention is Pyon Pyon jumping shoes. If you wear these shoes, you don’t walk – you jump!

   1. Answer the questions.
      a. Who is Yoshiro Nakamatsu? [A Japanese inventor]
      b. How many objects has he invented? [Over two thousand objects]
      c. What is his latest invention? [Pyon Pyon jumping shoes]

   2. Invent and draw a machine which spreads butter on bread. Open answer
Extension

8 Animals

Name __________________________ Date ____________

Elephant talk

People talk. Animals do not talk, but they communicate with each other. Birds communicate with each other by singing and chirping. Dogs bark, and bees dance in front of other bees.

Elephants have different ways of communicating. This is one of them: they use their feet to send messages to other elephants. How do they do this? The elephant stamps his foot on the ground and makes it vibrate. Other elephants "hear" the message through their feet. But what are the elephants saying? People think they are messages about danger or messages just to say "hello". But only the elephants know!

Use the key to complete these words and find the sounds these animals make.

TRUMPET CHATTER CHICK

Answer the questions.

a. Which is bigger, the Goliath frog or the Gold frog?

b. What colour is the belly of the Fire-bellied toad when it is attacked?

Fish, reptile, amphibian

Can you name these animals? Fish, tortoise, salamander

9 Other animals

Name __________________________ Date ____________

Frogs and toads

There are many types of frogs and toads. Goliath frogs are the biggest frogs. They are as big as your school bag.

The smallest frog, the Gold frog, is the size of your fingernail.

Some frogs can jump very far. There is one species which can jump the length of a football field.

Many frogs and toads can change the colour of their skin. But the champion is the Fire-bellied toad. When it wants to hide, it is the colour of the plants and stones around it.

But when it is attacked, its belly changes to red and black!

Answer the questions.

a. Which is bigger, the Goliath frog or the Gold frog?

b. What colour is the belly of the Fire-bellied toad when it is attacked?

Fish, reptile, amphibian

Can you name these animals? Fish, tortoise, salamander

10 Plants

Name __________________________ Date ____________

Make a leaf album

• Collect different types of leaves in the country or in a park.
• Put each leaf between two pages of newspaper and put some heavy books on top. The paper absorbs the damp and the heavy books make the leaves flat. The leaves dry in about ten days.
• Then, put one leaf on each page of a drawing book. Write information about it:
  – the name of the plant or tree
  – the day and the place you collected it
  – the shape and colour of the leaves
• Put a piece of paper between each page to protect the leaves.

These foods are parts of plants. Which part? Match.

11 Landscapes

Name __________________________ Date ____________

The Sea of Tranquility

When you look at the Moon from Earth, you can see dark areas on the surface. One of the biggest areas is called the Sea of Tranquility. It is a large area of sunken ground. From Earth, it looks like a sea.

Neil Armstrong and Buzz Aldrin were the first astronauts to land on the Moon. They landed in the Sea of Tranquility.

Like all the other 'seas' on the Moon, this sea has no water and no beach, but it is certainly tranquil.

Answer the questions.

a. What is the Sea of Tranquility?

b. Who are Neil Armstrong and Buzz Aldrin?

c. Where did they land?

d. Is the Sea of Tranquility the only ‘sea’ on the Moon?

Investigate and find the names of some other lunar seas. Open answer
Extension

12 Living together

**Family trees**
A family tree is a diagram which shows the members of a family and the relationship between them. The oldest members of the family go at the top of the tree and the youngest members go at the bottom.

1. Look at the family tree. Circle the paternal grandparents in red. [ ]
   Circle the maternal grandparents in blue. [ ]

2. Now draw your family tree. [Open answer]

13 Transport

**Road signs**

1. Match the signs to their meanings.

   - stop
   - give way
   - zebra crossing
   - petrol station
   - car park
   - no entry

2. Draw the route which Emma should take to the library. [Model answer]

3. Match and write the words.
   - pavement
   - bus stop
   - zebra crossing

   a. You wait for the bus here. [bus stop]
   b. You cross the road here. [zebra crossing]
   c. Pedestrians walk on this. [pavement]

14 Jobs

**Old professions, new jobs**
Jobs were very different a long time ago. Many people could not read or write, so scribes wrote documents for other people. Town criers walked through the towns ringing their bells and shouting the news. These days, many old professions still exist: teachers, potters, bakers…

New inventions create new professions. For example, computers need computer engineers, technicians and programmers. Aeroplanes need pilots, stewardesses and technicians.

1. Underline the professions in the text. Then do the crossword.

   - makes things out of clay
   - flies aeroplanes
   - shouts the news
   - writes documents

2. Match.
   a. A town crier...
   b. A scribe...
   c. A pilot...
   d. A potter...

15 Past and present

**Who is who?**
Read the information and write the names.

Sam was born a long time after Paul and before Dan.
Fred has got a moustache and does not wear glasses. He is the oldest.
Paul has got a moustache and he never wears a hat. He was born after Fred.
Dan was born after Sam. He is the youngest.
Diagnostic test

1. Look at the picture and write the words.

   - foot
   - head
   - hand
   - eye
   - arm
   - nose
   - mouth
   - ear
   - face
   - leg

2. Where does the food come from? Write plant or animal.

   - Animal
   - Plant
   - Animal
   - Plant

3. Match the rooms and the furniture.

   - living room
   - bathroom
   - bedroom
   - kitchen

4. Circle the five living things.

   - 1
   - 2
   - 3
   - 4
   - 5

5. Look at the plant and write the words.

   - stem
   - leaves
   - roots
Unit assessment

1 You and me

Name: ___________________________ Date: ____________

Look at the pictures. How are the girls different? Write four sentences.

Model answer
a. Olga has got __________.

b. Anne has got __________.

c. Olga has __________ hair.

d. Anne has __________ hair.

Match the children and their feelings.

Happy or sad? Complete the sentences.

a. When it’s my birthday, I feel ________.

b. When my friend is sad, I feel ________.

Complete.

a. Everybody expresses ________.

b. It is important to respect ________.

Complete the card with your personal information. Open answer

Name: ___________________________

Surname(s): ______________________

Date of birth: _____________________

Day: _______ Month: _______ Year: _______

Place of birth: ____________________

2 Your body

Name: ___________________________ Date: ____________

Complete the sentences.

a. __________ are hard and rigid and form the skeleton.

b. __________ are elastic and cover the skeleton.

c. You bend your body at the ________.

Write the names of the joints.

__________ ________ ________ ________

Write two bones and two muscles. Model answer

muscles: __________ ________ ________ ________

bones: __________ ________ ________ ________

3 Match the children and their feelings.

happy sad scared angry

3 Happy or sad? Complete the sentences.

a. When it’s my birthday, I feel ________.

b. When my friend is sad, I feel ________.

4 Tick the correct answers.

a. All children are different.

b. All children have the same rights.

5 Complete.

a. Everybody expresses ________.

b. It is important to respect ________.

6 Read then tick the correct answers.

a. You breathe air in through your…

   ✓ nose.

   x lungs.

b. The air goes down a tube called the…

   ✓ trachea.

   x lung.

c. Lungs are like…

   ✓ bags.

   x bones.

d. When you breathe out…

   ✓ you fill your lungs.

   x you empty your lungs.

7 Label the diagram. Draw arrows to show the direction of the air when you breathe in.

muscles: __________ ________ ________ ________

bones: __________ ________ ________ ________

nose

trachea

longs

bags

you fill your lungs.
Unit assessment

3 Food

Name __________________________ Date ____________

1 Where does fresh food come from? Answer.
[Pictures of food sources, such as animals and plants]

2 Use the key and circle the foods.

3 Classify these foods.

<table>
<thead>
<tr>
<th>Food from plants</th>
<th>Food from animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>fresh food</td>
<td>processed food</td>
</tr>
</tbody>
</table>

4 Keep healthy

Name __________________________ Date ____________

3 Complete these sentences.

- Salads and oranges have vitamins, which give you energy.
- Milk has proteins, which help you grow.
- Oil has fats, which give you energy.
- Vegetables have carbohydrates, which help us to be healthy.

4 Look at this menu. Why is it healthy? Match the sentences.

<table>
<thead>
<tr>
<th>Starter</th>
<th>Macaroni</th>
<th>Main course</th>
<th>Fish and salad</th>
<th>Dessert</th>
<th>Orange</th>
</tr>
</thead>
<tbody>
<tr>
<td>Macaroni has carbohydrates. They help you to grow.</td>
<td>Fish has proteins. They keep you healthy.</td>
<td>Fish and salad have vitamins. They give you energy.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5 Which children have healthy habits? Tick.

- [ ] Drink plenty of water.
- [ ] Eat lots of vegetables.
- [ ] Go to bed early.
- [ ] Write in your homework.
Unit assessment

5  Air and water

1. Complete the sentences.
   - gas
   - oxygen
   - air
   a. __________ is a mixture of different gases.
   b. People, animals and plants need _________ to live.
   c. Oxygen is one of the __________ in air.

2. Use the key and circle the objects.
   - It contains air.
   - It moves with air.

3. Match.
   a. Water is a __________
   b. Water vapour is a __________
   c. Ice is a __________

4. Look at the pictures and complete the sentences.
   - **A**
     - Tom and Sally put some _________ in the tray.
     - Water is a _________
     - Then, they put the tray in the _________
     - Later, there is _________ on the tray.
     - Ice is a _________
   - **B**
     - Who is saving water? Colour the good habit.

5  Planet Earth

1. Write the names. Then, colour the picture.
   - land
   - air
   - water

2. Complete the sentences.
   - air
   - Earth
   - water
   - Sun
   a. The _________ moves round the Sun.
   b. The Earth gets light from the _________
   c. Most of the Earth is covered by _________.
   d. There is _________ all around the Earth.

3. Match.
   - The Earth moves round the Sun.
   - The Earth spins round.
   - A day
   - A year

4. Look at the diagram. Write the words.
   - day
   - Earth
   - night
   - Sun

5. Tick the true sentences. Then, correct the false sentences.
   a. The Earth moves round the Moon.
   b. We see the Moon and stars during the day.
   c. The Earth takes one month to move round the Sun.
   - The Moon hasn’t got any air or water.
   - The Sun is the nearest star to the Earth.
Unit assessment

7 Forces

What can forces do? Use the code and colour the pictures.

- → move
- → stop
- → change shape
- → break

What are these machines used for? Match.

- carrying objects
- squeezing oranges
- cutting

- keeping food fresh
- lifting
- listening to music

It works with human force. A
It works with petrol. A
It works with electricity. A

Write the parts of the computer.

- monitor
- keyboard
- CPU
- mouse
- printer
- speakers

What are computers used for? Model answer

a. To find information
b. To write
c. To listen to music

8 Animals

Use the code and circle the animals.

- mammals
- birds
- reptiles

Match.

a. Viviparous animals... are born from eggs.
b. Oviparous animals... are born from their mother's womb.

Which animals are oviparous? Tick.

- a
- b
- c
- d
- e

Complete the sentences.

a. Birds are born from eggs.
Their bodies are covered with feathers.
b. Mammals are born from their mother's womb.
Their bodies are covered with hair.
c. Reptiles are born from eggs.
Their bodies are covered with scales.
Unit assessment

9 Other animals

Classify the animals. Then, answer the question.

1 Classify the animals.

- trout
- beetle
- fly
- frog
- salamander
- shark

- Fish
- Amphibians
- Insects

2 Write the parts of the fish.

3 What are invertebrates?

(spider, octopus, cow, sardine)

Model answer

Animals without bones

4 Name these invertebrates.

5 Write the parts of the fish.

6 Other animals

ASSESSMENT

9 Classify the animals. Then, answer the question.

- spider
- cow
- sardine
- octopus

Vertebrates

Invertebrates

7 What are invertebrates?

(spider, octopus, cow, sardine)

Model answer

Animals without bones

8 Name these invertebrates.

9 Write the words.

- grasses
- water
- oxygen
- stem
- seeds

a. Plants provide __________ and food for other living things.

b. Plants need __________ air, sunlight and soil.

c. Plants grow from __________

d. Plants have roots, a __________ and leaves.

e. Plants can be trees, bushes or __________

10 Plants

Write the words.

Write the parts of the tree.

Write and match.

Write the parts of the tree.

Write the words.

What do plants give us? Draw three things.

Model answer

They need water, air, sunlight and nutrients from the soil.

Open answer
Look at the picture and write the words.

River
Mountain
Field
Village
Forest
Bridge

Classify the words from Activity 1.

Natural elements
Man-made elements

Tick the correct answers.

a. In mountain landscapes, there are mountains, forests and
   beaches. Yes  No
b. The coast is the area of land which is near
   the sea. Yes  No
c. There are lighthouses on the
   mountains. Yes  No

circle the points of the compass. Then, write them.

East
North
West
South

Match the definitions.

A. My mother’s mother is…
   b. My uncle’s child is…
   c. My father’s sister is…
   d. My mother’s brother is…
   e. My aunt’s child is…

Who does these things in your house? Write. Open answer

She looks after the parks.
He keeps the city clean.
She fights fires.

Which children are good students? Tick.

Tick the correct answer.

a. In your village or city, the place where you live is your...
   yes  no
b. The… is the head of the local council.
   yes  no
c. The local council organises...
   yes  no
d. Street lighting is...
   yes  no
Name: ____________________ Date: __________

13 Transport

1. Write three examples of public transport.

2. Look and write.

3. Match each symbol to its meaning.

4. What do these means of transport carry? Write passengers or merchandise.

5. Use the key and circle.

6. What raw materials do you need to manufacture these products? Write.

7. Complete the sentences.

8. Which means of communication? Write the words.

9. Where can you buy these products? Write.

Name: ____________________ Date: __________

14 Jobs

1. Use the key and circle.

2. What raw materials do you need to manufacture these products? Write.

3. Complete the sentences.

4. Which means of communication? Write the words.

a. I can talk to a friend, but I can't see her.

b. I can find information from texts, photographs and videos.

c. I can read about the news in other countries.

d. I can watch a football match at my house.

Name: ____________________ Date: __________

13

1. Match.

2. What do these means of transport carry? Write passengers or merchandise.

3. Match each symbol to its meaning.

4. Use the key and circle.

5. What raw materials do you need to manufacture these products? Write.

6. Complete the sentences.

7. Which means of communication? Write the words.

8. Where can you buy these products? Write.
Unit assessment

15 Past and present

Name ___________________________ Date __________

Write T (true) or F (false).

1. Clocks and calendars measure time.
2. Clocks measure weeks and months.
3. Clocks measure minutes and seconds.
4. There are seven days in a month.

5. Look at the calendar and answer the questions.

   a. How many days are there in this month?
   b. What day of the week is 7th December?
   c. What day is the last day of the month?

6. Match the old and modern objects.

   A   D
   B   C
   E   F
   G   H
   I   J

7. Compare the pictures. Circle three objects which have changed with time.

   A   B
   C   D
   E   F

Name ___________________________

Circle the oldest object in each pair.

A   B
C   D
E   F

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T

Clocks and calendars measure time.
Clocks measure weeks and months.
Clocks measure minutes and seconds.
There are seven days in a month.

December

T   F
T   F
F   T
1. Circle the foods you should eat every day.

2. Tick the true sentences about water. Then correct the false sentences.
   - If you heat water, it changes into ice.
   - If you freeze water, it changes into water vapour.
   - Water vapour is a solid.
   - Ice is a solid.

3. Match the names of the muscles.

4. Write the names of the foods.

5. Classify the foods.

6. Tick the true sentences about water. Then correct the false sentences.
   - If you heat water, it changes into water vapour.
   - If you freeze water, it changes into ice.
   - Water vapour is a gas.
   - Ice is a solid.
Second term assessment

6-10
SECOND TERM ASSESSMENT

Name __________________________ Date ____________

1 Complete the sentences.
   a. The Earth takes _______ day to spin round.
   b. The Earth takes _______ year to move round the Sun.
   c. The Moon moves round _______ Earth.

2 Use the key to colour the machines.
   🎨 It uses electricity. 🚗 It uses petrol. 🔌 It uses human energy.

3 Vertebrate or invertebrate? Write V or I.

  A  V  T  I  Y  I  Y

4 Classify the plants.

Holm oak  Poppy  Wheat  Cypress  Lavender  Thyme

5 Write the five main parts of a plant. Model answer

Flowers, fruit, leaves, stem, roots

6 Complete the sentences.

   Amphibians  Mammals  Reptiles  Fish  Birds
   a. Fish are vertebrates and have fins and scales.
   b. Reptiles have bare skin and are oviparous.
   c. Mammals are born from their mother's womb.
   d. Reptiles have scales and crawl.
   e. Birds have wings, feathers and a beak.
Third term assessment

1. What type of landscape is it? Read, then write.
   a. It is a ______ landscape.
   b. It is a ______ landscape.

2. Who does these jobs in the neighbourhood?
   a. They are responsible for the local council.
      The ______ and the ______.
   b. They look after the parks. The ______.
   c. They keep the town clean. The ______.
   d. They fight fires. The ______.

3. Write two means of transport in each case. Model answer
   a. They carry passengers. ______
      ______
   b. They carry merchandise. ______
      ______

Look at the calendar and answer the questions.

- How many days are there in this month?
- What day of the week is the 14th?
- How many Thursdays are there?
- What day is the last day of the month?
Top Science 2 is a collective work, conceived, designed and created by the Primary Education department at Santillana, under the supervision of Enric Juan Redal and Vicki Caballero.

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PHOTOIMAGENES CD/PHOTOALTO; ARCHIVO SANTILLANA

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Torrelaguna, 60. 28043 Madrid
Richmond Publishing is an imprint of Santillana Educación, S. L.
PRINTED IN SPAIN

CP: 189699
D.L.: