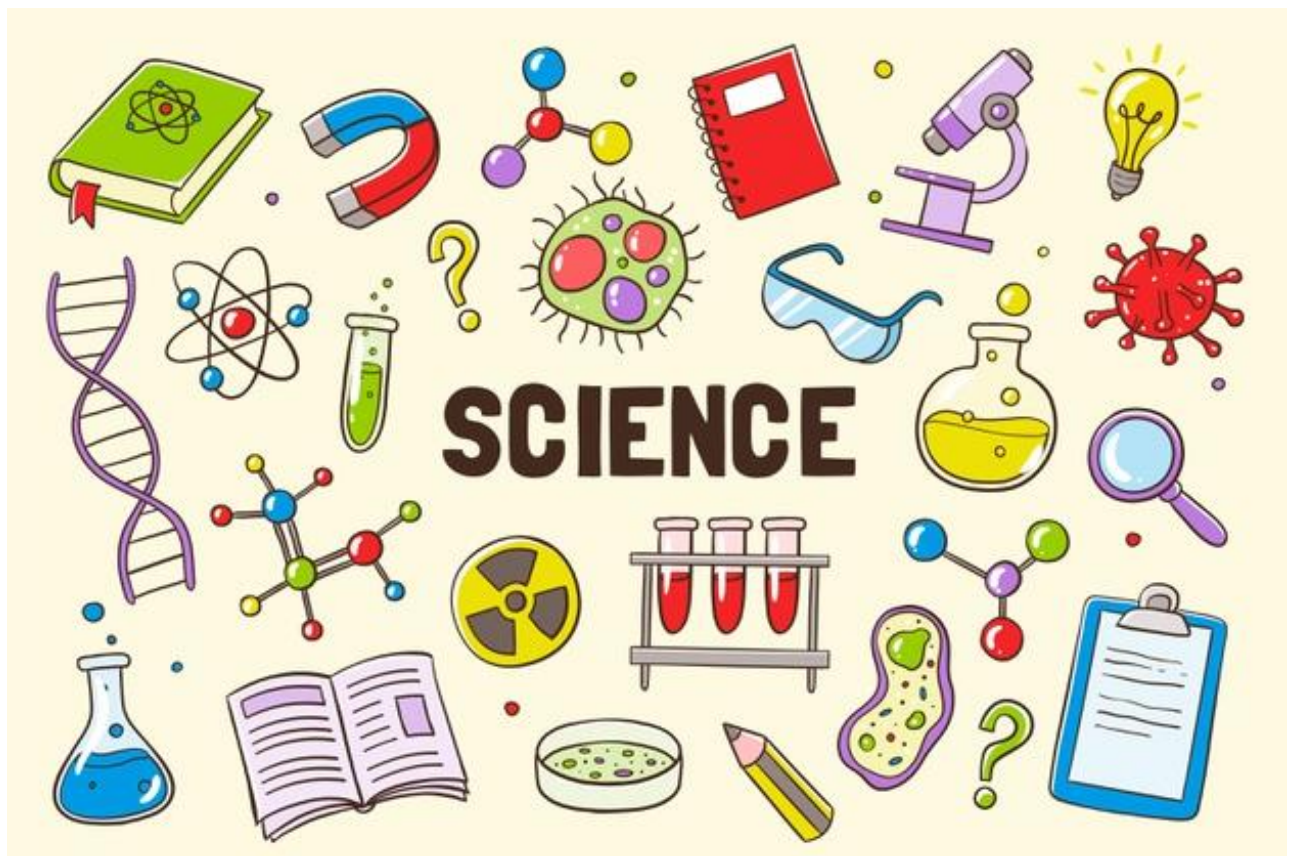


Science Transition Booklet

Name: _____

Primary School: _____



The picture below shows a lab with no safety rules.



1. Highlight, or draw a circle around, all the things that you can see that are wrong in the lab.
2. Write a list of safety rules that would make the lab above a safe place for the students in it.

My list of science rules:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Get ready for...Biology!!

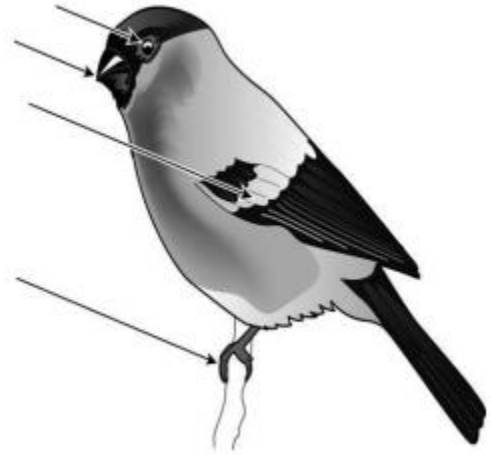
Task 1:

a) Label the parts of the bird's body on the diagram.

b) Why do birds need wings?

c) Why does it have claws?

d) Why does the bird have feathers?



Task 2:

Think about the living things you might find in your garden, or the local park. List as many living things from your area as you can. Divide them into producers, herbivores and carnivores.

Producer	Herbivore	Carnivore

Task 3:

Find 3 different snacks of your choice, or 3 different soft drinks of your choice. Look for nutritional information on the wrapper or bottle and use it to complete the table below.

Name of snack or drink	Carbohydrates (per 100g)	Fats (per 100g)	Protein (per 100g)	Calories

Which of the snacks or drinks is the healthiest? Use your table to help you decide.

Task 4:

Answer these questions using what you know about the human heart.

Where is the heart found in your body? _____

What does the heart do? _____

Your pulse measure how many times your heart beats in 1 minute.

- ✓ Record your pulse, while at rest, for a minute and record it in the table.
- ✓ Jog on the spot or do start jumps for 2 minutes
- ✓ Measure your pulse again and fill in the table

Resting pulse (beats per min)	Pulse after exercise (beats per min)

What is the effect of exercise on pulse rate? Use your table to help you.

Get ready for...Chemistry!!

Task 1:

Every day scientists do investigations and make observations to answer questions in Chemistry.

Go to this website:

<http://www.rsc.org/learn-chemistry/collections/chemistry-calendar>

Click on your birthday and then fill in the form to show others why your birthday is important in Chemistry.

(If there are words you don't understand, ask someone for help, or look it up in a dictionary or on the internet.)

My birthday is: _____

My Chemist is: _____

My Chemist is from this country: _____

This is what my Chemist did: _____

Here is a picture of my Chemist, or of something that they discovered:

Task 2:

Chemists make materials that are suitable for their purpose.

- ✓ Find 5 objects at school, or at home, that are made from different materials.
- ✓ Fill in the table to show why the objects are made from their materials. The first is already filled in.

Object	Material the object is made from	Properties that make the material suitable for the job
Frying pan	metal	-good conductor of heat -rigid

Get ready for...Physics!!

Task 1:

Check the Sun's position at different times in the day and describe the changes.

Time	Height in the sky (description)	Position	Other observations (colour, size etc.)
7am			
12 noon			
3pm			
8pm			

Task 2:

List some objects around school, or home, that are magnetic and objects that are non-magnetic. If you have a fridge magnet, you could use it to test the different materials.

Magnetic	Non-magnetic

Task 3:

Some types of force slow us down when we are moving. Fill in the blanks, using the words below:

Water resistance, air resistance, friction

-When I'm running the force acting against me is _____

-When I'm swimming the force acting against me is _____

-When I'm dragging an object across the floor, the force acting against me is _____

Task 4:

In this task you will plan an activity to answer the following question: Which metal is the best conductor of electricity?

Complete the table:

Variable	Will I change it, measure it or keep it the same?
Type of metal	
Type of battery or power supply	
Brightness of bulb	
Type of bulb	

Describe how you would carry out the investigation:

And finally...

Write down 3 things you have enjoyed about science in your primary school:

- 1) _____

- 2) _____

- 3) _____

Write down 3 things you're hoping to do/learn about in science in St. Bede's:

- 1. _____

- 2. _____

- 3. _____

Do you have any questions for your secondary science teacher?
