Transition

Get ready for Science!

1. On a visit to a park or on a walk, find a tree and collect a leaf. Use books or the Internet to identify the tree from the leaf. In the space below, draw the leaf and label as many parts as you can.
2. **Find a flower/plant outside.** Draw and label it. *What does the flower/plant need to grow?*
3. Look for the nutritional on the wrappers or bottles. Fill in the table below with the nutritional information about the bars or drinks.

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| --- | --- | --- | --- | --- |
| Name of chocolate bar or drink | Carbohydrates (per 100g) | Fats (per 100g) | Protein (per 100g) | Calories |
|  |  |  |  |  |
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1. Which of the chocolate bars or drinks is the healthiest? Use your table to help you decide.
2. Produce a fact file on one of the following famous Scientists: Charles Darwin, Marie Curie, Ada Lovelace, Mae Jemison. Include: Name, Birthday, where they are from, what they did and draw a picture
3. Chemists make materials that are suitable for their purpose. In this activity, you will work out why objects are made from certain materials.

What to do

• Find five objects at home that are made from different materials.

• Fill in the table to show why the objects are made from their materials. The first line is already filled in.

A screenshot of a cell phone

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1. Check the Sun’s position several times in one day and write the changes. Warning: Never look directly at the Sun!

A screenshot of a cell phone

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1. List some objects that are magnetic and some that are not
2. Watch the moon every night for a week. Write down what it looks like each day. Think about its shape, and brightness.
3. Research one of the 8 planets in our solar system! Draw a picture to accompany your research

Get ready for Practicals

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 measures how many times your heart beats in one minute. Your pulse goes up when you exercise.

* •  Record your pulse when you are resting, and fill in the table.
* •  Now jog on the spot or do star jumps for two minutes.
* •  Measure your pulse again and fill in the table.

|  |  |
| --- | --- |
| Resting pulse (beats per minute) | Pulse after exercise (beats per minute) |
|  |  |

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

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