



COURTWOOD PRIMARY SCHOOL

Nurturing Knowledge;
Learning for Life.



Year 1

Summer 1

Science – Plants



Knowledge Organiser Homework Booklet

This booklet should be used to practice the key facts from our curriculum themes from the year so far.

Homework: Year 1: Summer Term 1

Set: 26/04/21. Mid-Point Check (book in school): 12/05/21. Due completed: 26/05/21.

Your child must complete the compulsory spellings, times tables, knowledge organiser and reading tasks weekly (first row), which all children should be practising regularly to ensure good progress. They must also complete a 'project' by the final hand-in date which shows an aspect of their history topic learning. This could take many forms: a booklet, PowerPoint presentation, creative model and explanation, poster, essay etc. The choice is your child's and should be completed as independently as possible.

All other tasks are optional and can be completed at any point in the half term. Homework tasks are designed to support children's knowledge and understanding of the curriculum and use evidence-based approaches to retrieval and learning, to ensure children are able to know more and remember more, move knowledge into their long-term memory and begin to make deeper connections in their learning. Children should be able to complete many tasks independently, drawing on their memory of learning at school. We expect that children who complete these tasks will achieve well and be supported in meeting their end of year group age-related curriculum expectations.

| Maths | English | Science – Plants |
|--|---|---|
| <p><u>Weekly Compulsory Task:</u></p> <ul style="list-style-type: none"> Practise number bonds to 20 Counting forwards and backward to 100 | <p><u>Weekly Compulsory Tasks:</u></p> <ul style="list-style-type: none"> Learn and practice weekly spellings. Read to an adult at least three times a week for 10 minutes. | <p><u>Weekly Compulsory Task:</u></p> <ul style="list-style-type: none"> Talk through your knowledge organiser with an adult for 10 minutes a week. Select one box from your Learning Journey retrieval grid and write down as much as you can remember from memory about that category in 5 minutes. |
| <p>Create your own 'greater than' and 'less than' symbols on cards and use them to make number sentences using objects around your house (e.g. 24 forks > 13 knives) You could take pictures of your number sentences.</p> | <p>Write a set of instructions to teach Miss Dugdale how to make, bake, cook or do an activity of your choice. Remember to use first, then, next, after and finally.</p> | <p>Draw a picture of a plant and use your knowledge organiser to support you to label the parts of a plant.</p> |
| <p>Complete your 'Do I still remember...' questions below. Show your answers/workings out in your homework book.</p> <p>Do I still remember...</p> <ul style="list-style-type: none"> How to count objects in 2s, 5s and 10s How to count one more and one less from a number (0-50) How to correctly write numbers from 0 – 50 | <p>Practice using the key vocabulary on your knowledge organiser. You could:</p> <ul style="list-style-type: none"> Cover the word and recall it using the definition/ cover the definition and recall it from the keyword; Try clapping out the number of syllables in the new word and saying it in a sentence. Use one word as your 'Word of the Day' each day. | <p>Go out for a walk at your favourite park, woods or gardens and see what wild or garden plants you can find. Can you remember names of the different plants?</p> <p>You could take pictures of what you find and upload them to google classroom or stick them in your homework book.</p> |
| <p>Play any of the games below:</p> <p>https://www.abcya.com/games/base_ten</p> <p>https://www.topmarks.co.uk/learning-to-count/chopper-squad</p> <p>https://www.topmarks.co.uk/maths-games/mental-maths-train</p> | <p>Writing Task: Use your knowledge organiser to help you make a simple fact file about plants.</p> | <p>Creative task:</p> <p>Create a life cycle of a flower. You could paint, draw or plant your own seeds and take pictures of each stage.</p> |

Science Knowledge Organiser: Plants

Year 1: Summer Term 1



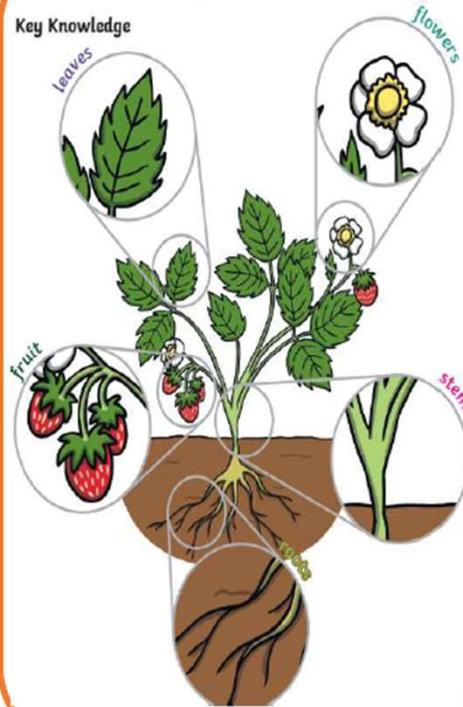
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Sticky Knowledge

- Know a rose bush, a sunflower, and a dandelion by sight.
- Know an oak tree, a birch tree and a horse chestnut tree by sight.
- Know that evergreen trees maintain their leaves throughout the year and that deciduous trees shed their leaves in autumn.
- Know that a flowering plant consists of roots, stem, leaves and flowers, and that a tree's stem is called a trunk.

Diagrams/maps

Key Knowledge



Who: Scientific Influences

Name/Picture



Joseph Banks
1743-1820

Why significant

He was a scientist known as a 'botanist,' one who studies plants. His love of plants began at school and he always dreamed of travelling the world in search of new and different types of plants that no one had ever seen before. Banks travelled with one of the most famous explorers of the day, Captain James Cook. In 1766, they set off in a great sailing ship, not knowing if they were ever to return. On his journey, Banks collected an enormous number of new and exciting plants.

Possible Scientific Enquiry Questions

| | |
|---------------------------------------|---|
| Observing over time | Observe a tree through the year. Observe a trail/patch to identify how plants change through the year. |
| Identifying, classifying and grouping | Allow children to classify leaves, flowers, and seeds, choosing their own criteria. |
| Research using secondary sources | Use secondary sources to name plants (including trees) based on observations of leaves, seeds, flowers, buds, and bark. |

Extended Specialist Vocabulary

| Word | Definition |
|-----------------------|--|
| New Vocabulary | |
| <i>energy</i> | the power or ability to make something work or be active |
| <i>growth</i> | something that grows or has grown |
| <i>deciduous</i> | a deciduous plant loses its leaves once a year |
| <i>evergreen</i> | an evergreen plant keeps its leaves all year round |
| <i>flower</i> | flowers attract bees and insect to visit the plant |
| <i>plant</i> | to put or set in the ground for growth |
| <i>tree</i> | a plant having a permanently woody main stem or trunk |
| <i>structure</i> | a thing made up of a number of parts joined together in a certain way. |
| <i>roots</i> | the part of a plant that usually grows underground. Roots take up water and nutrients and hold the plant in the soil |
| <i>stem</i> | the main part of a plant that grows up from the ground and supports the branches, leaves, flowers, or fruits that may grow from it |
| <i>leaf</i> | leaves catch sunlight to give energy to the plant |
| <i>trunk</i> | the main stem of a tree |
| <i>component</i> | a part of something |
| <i>habitat</i> | the natural environment of an animal or plant |
| <i>environment</i> | everything that surrounds a living thing and affects its growth and health |

Knowledge
Organiser

Retrieval Grid

Retrieval Grid Task: Each week you must select ONE box and write down as much as you can remember from memory about that category in 10 minutes. You cannot write in a box more than once. Write the date you completed each box. You may want to revisit your knowledge organiser before (but put it away before you do this!) and you can of course use information you can retrieve from lessons. It is important that you do one box a week and do not try and answer all of the boxes at the same time at the end of the six weeks – your memory will be stronger if you do a box every week.

| | | |
|--|---|--|
| <p>Key Vocabulary related to this topic (from the Knowledge Organiser)</p> <p>Date:</p> | <p>Parts of a flower and tree</p> <p>Date:</p> | <p>Evergreen</p> <p>Date:</p> |
| <p>Deciduous</p> <p>Date:</p> | <p>Names of common flowers</p> <p>Date:</p> | <p>Names of common trees</p> <p>Date:</p> |