Substantive knowledge:

leaf
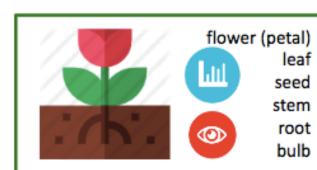fruit
seed
branch
trunk
root

We eat different parts of different plants (roots, fruit, seeds, stem) *(observe and grow vegetables and flowers in the garden)*

Deciduous trees lose their leaves in the winter
(identify oak, beech, birch, horse chestnut)

Evergreen trees keep their leaves all year round
(identify holly, yew, fir)
(sorting leaves investigation)

flower (petal)
leaf
seed
stem
root
bulb

Vocabulary:
leaf, trunk, branch, root, seed, bulb, flower, tame, garden, deciduous, evergreen , petal, fruit, berry, bud

Focus plants: wild - daisy, dandelion, clover, stinging nettle, dock and brambles

Garden - lavender, daffodil, sunflower, pansy

Vegetables - rhubarb, carrots, other vegetables growing in the school garden

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Disciplinary knowledge

Observation over time	Identify and classify	Comparative tests	Pattern seeking	Observation over time	Pattern seeking
How does the **apple tree change** over the year? (ask scientific questions)	How can we **sort** the leaves that we collected on our walk? (observe closely)	Which tree has the **biggest** leaves? (taking measurements)	Do trees with bigger **leaves** lose their leaves first in autumn? (interpret results)	How does a **daffodil** bulb **change** over the year? *parts of a flower* (observe closely)	Is there a pattern in where we find **moss** growing in the school grounds? (to ask scientific questions)

Research

What are the most common British plants and where can we find them?
How did Beatrix Potter help our understanding of mushrooms and toadstools?