

Half-termly planning overview Year 3 - Autumn Term 1

Enquiry question: How can we identify native trees through the seasons?

Harmony principle: The principle of the Cycle

Great Work: Creating native tree guides

Partners in learning: Local tree nursery, local forest rangers

Sustainability theme: Valuing our native trees; promoting native, seasonal fruit



Weekly Questions

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Which native trees grow where we live?	How does a tree begin?	How do roots support a tree?	What role do leaves play in the life of a tree?	What do different types of native apple taste like?	How do trees change through the seasons?
GEOMETRY	How can we calculate the height of a tree? (using different methods to calculate the height of trees)	What shape are different tree seeds? (exploring symmetry and shape in seeds)	Where do we see fractals in tree roots and shoots? (exploring branching patterns in tree roots and shoots)	What shapes and symmetry do we find in leaves? (exploring symmetry in tree leaves through sketching and geometry)	What patterns do we find in apple cross-sections? (printing with apples in cross-section and exploring five-ness)	How can we show how trees change through the seasons in a circle diagram? (creating circles with compasses to draw a diagram)
SCIENCE	What are the different parts of a tree? How can we use them to identify different species?	What does a tree need to grow and thrive?	How is water transported from the roots to all the parts of a tree?	Why are a tree's leaves so important?	Why, and how, do fruit trees produce fruit?	How well can I describe the life cycle of a tree?
ENGLISH	How can I describe the setting in Anthony Browne's <i>Into the Forest</i> ?	How can I use powerful description in my own story?	What do I like about different poets' descriptions of trees and nature?	What descriptive language will I use in my own calligram tree poem?	What will I include in a fact file about native apples?	What information will I include in a report about the life cycle of a native tree?
GPS FOCUS	How accurately can I use full stops and capital letters in my writing?	How can I use paragraphs to explore ideas in my writing?	What other ways are there of writing in the past? (present perfect)	How can I use a different past tense form in my poem? (present perfect)	How do headings and subheadings help structure a text?	How can headings and subheadings help structure my writing?
MATHS	How can we calculate and order the heights of trees? (numbers up to 1000)	How can we use seeds to find 10 more and 10 less? How can we find 100 more and 100 less?	What can we learn about number sequences from tree roots and shoots?	How accurately can we estimate and measure leaves in mm and cm?	How can apple segments help us find fractions and equivalent fractions?	What data can we collect about local trees and how can we present it?
GEOGRAPHY	How can I use a sketch map to show the location of trees in our school grounds/local park? (fieldwork)	How can I present data from a local tree survey?	Where in our local area has the most trees? (fieldwork)	How will I mark up a map of our local area to show the wooded areas?	How can I use an OS map to find our nearest woods? (4-figure grid references)	How can I use an atlas to locate different types of woodland and forest in the UK?
ART & DESIGN	How can I use masking tape and watercolours to create a silver birch forest artwork? (1)	How can I use masking tape and watercolours to create a silver birch forest artwork? (2)	What is the secret to mixing colours using watercolour paints?	How well can I mix colours to create a leaf watercolour artwork?	How can I blend watercolour pencils to create an apple artwork?	How can I use 'gyotaku' techniques to create leaf prints?
IT & COMPUTING	How can I use search engines safely to find information?	In what order do search engine results about native trees appear?	How can I work out whether a website is a trusted source of information?	What similarities and differences can I find in two webpages about trees?	How can I use search engines to research a native tree? (1)	How can I use search engines to research a native tree? (2)
PE	Dance: What shapes can we make with our arms and legs in dance?	Dance: What dance moves can I use to represent the germination of a tree seed?	Dance: How can I represent the growth of a tree's roots and shoots through dance?	Dance: How can I show through dance how a tree moves in the wind? How it sheds its leaves?	Dance: How will I work as part of a group to create a dance showing the life of a tree?	Dance: How will I perform a dance showing the life of a tree in a group?
PSHE	How can I express how I feel using words and other techniques?	How does time spent outdoors make me feel? (outdoor activity)	How does time spent outdoors make me feel? (outdoor meditation)	How does it feel to do something for others? (preparing ground to plant trees)	How does it feel to do something for others? (planting fruit trees)	How can I plan the things that make me feel well into each day or week?
NOTES	Woodland walk or tree spotting in the school grounds or a local park	Bring in different types of seeds	Visit to a local woodland with forest rangers	Collect different types of tree leaves	Source local, native apple varieties for tasting	GREAT WORK Sharing native tree guides with others