

Numeracy and Mathematics

Calculate the Age of a Tree – without cutting it down!

There are several different resources to help you calculate the age of a tree.

See <https://www.opalexplornature.org/sites/default/files/7/file/TreeAge2.pdf> **B**

Calculate the Height of a Tree

Use the *How Tall is That Tree* Activity Sheet at

<https://schoolgardening.rhs.org.uk/Resources/Activity/How-tall-is-that-tree?returnUrl=%2FResources%2FFind-a-resource%3Fso%3D0%26pi%3D50%26ps%3D10%26f%3D1,1:%26page%3D6> **B**

OR

Tall Trees – Calculating Tree Age is part of a tree teaching pack at

https://www.nationalparks.uk/students/teachersarea/teaching-resources/act_nf_talltrees **B**

Apple World - see the world as an apple and use your knowledge of fractions to illustrate how precious its resources are

Cut apple into quarters, $\frac{3}{4}$ earth's surface is water; $\frac{1}{4}$ is land. Cut land into $\frac{1}{2}$ -- only $\frac{1}{2}$ land ($\frac{1}{8}$ total earth) is habitable; the rest is desert, mountains, frozen Icecaps. Play *Apple World* from Play Learn and Have Fun!

<https://docplayer.net/21011881-Play-learn-and-have-fun-environmental-games-and-activities-for-rangers-and-schools.html>

Social Studies

Play the Endangered Habitat Game

The Humming Fish cannot live in their pond when it is polluted. Play the game to gain understanding of threats to habitats. Set out 5 hula hoops on the ground, each is a habitat that matches what your teaching is focusing on (ponds in this case). Pupils/Humming fish move around until signalled to return to their habitat (only a set number can share a habitat). With each new round remove a habitat just as you would remove a chair in Musical Chairs. Each time a habitat is removed give a reason – 'A new road has been built and the pond filled in.' 'The pond is polluted.' How long before the pupils run out of habitats? **B**

Go on a Trash/Rubbish Treasure Hunt

Use this activity to highlight the consequences of our choices. Even if we choose to *not* litter, what happens to what we put in the bin?

Make a bar graph to show the quantities of the different kinds of litter found, make a chart to show the different rates of decomposition.

<https://docplayer.net/21011881-Play-learn-and-have-fun-environmental-games-and-activities-for-rangers-and-schools.html>

Expressive Arts

Drama - Build a Tree

Learn how the different parts work together to sustain the tree.

See Activity 1 *Build a Tree* in *Summer Woodland Activities* from the Outdoor and Woodland Learning website.

https://www.owlscotland.org/images/uploads/resources/files/Summer_text_stages_1+2.pdf **B**

Weather Art

Explore the beauty of nature whatever the season or weather.

See Activity 15 *Weather Art* in the SNH publication *Nature on Your Doorstep*.

<https://www.nature.scot/biodiversity-activities-pack> **B**



B next to a suggested resource indicates that a hardcopy is provided with Literacy Out of the Box equipment boxes.

The Lorax

Novel Topic Mind Map

CfE Early, 1st, 2nd Levels

Literacy and English

Write a Group Poem

Write a poem about a tree you have studied in your outdoor space. Each group gathers ideas from a different view point and the ideas are combined into a single poem.

See Activity 6 *Angles* in *Summer Woodland Activities* from the Outdoor and Woodland Learning website

https://www.owlscotland.org/images/uploads/resources/files/Summer_text_stages_1+2.pdf **B**

Make a List

List the jobs, services and products provided by the Truffala Trees –

Try and go beyond what is explicitly stated in the book, especially if working with older children. Use the children's new knowledge of trees and their benefits to humans and to biodiversity in general.

Design an Advertising Poster

Design a poster that the Once-ler might have used in his campaign to sell more Thneeds.

Design a Campaign Poster

Save the pond for the Humming Fish

Sciences

Meet a Tree

Blindfolded and with the help of a friend, explore a tree using *most* but not all of your senses. Can you find your tree once your blindfold has been removed?

See Activity 4 *Meet a Tree*

https://www.owlscotland.org/images/uploads/resources/files/Summer_text_stages_1+2.pdf **B**

Explore Food Chains

Play the *Web of Life* Game in *Play, Learn and Have Fun!* Environmental Games and Activities for Rangers and Schools

<https://docplayer.net/21011881-Play-learn-and-have-fun-environmental-games-and-activities-for-rangers-and-schools.html> **B** The pack includes a set of Woodland Web game cards.

Explore the Competition for Resources between Animals

Play *Oh Dear* and find out how animals compete with one another for resources.

http://www.beaconlearningcenter.com/documents/313_01.pdf **B**

https://www.youtube.com/watch?v=G_79b-8y8vY

Health and Wellbeing

List the Once-ler's Good Qualities

Is it possible for someone to be all bad and have no good qualities?

List the Once-ler's good qualities.

We do know that he was a clever inventor. What inventions could he have created that helped the Truffala Trees, the Swomee-Swans, the Brown Barba-loots and the Humming Fish?

Rights and Responsibilities

Is the Once-ler right in saying, "I have my rights..." before turning more Truffala Trees into Thneeds? Make a list of rights and corresponding responsibilities that we each have. For example, we have the right to play but the responsibility of making sure we don't spoil other people's fun. Can you make a list of rights and responsibilities that would have helped the Once-ler make better decisions?

Religious and Moral Education

Plant a Tree

Help your outdoor space and the living things that use it by planting a tree or growing a tree from seed.

See *How to Plant a Tree* at <https://www.woodlandtrust.org.uk/plant-trees/advice/how/>

Or use the Wildlife Watch activity sheet *How to Grow your Own Oak Tree* to help you grow a tree from an acorn.

<http://www.wildlifewatch.org.uk/activity-sheets> **B**

Alternatively, use a container to *Make a Miniature Nature Reserve*.

<http://www.wildlifewatch.org.uk/activity-sheets> **B**

Go on a Biodiversity Trail

Use Activity 6 *Biodiversity Trail*, in the SNH publication *Biodiversity Activities Pack* in preparation for planning for the development of your outdoor space so that it supports more biodiversity. Take parents/visitors/school mates on a guided tour explaining why it is important that we have a positive impact on our space.

<https://www.nature.scot/biodiversity-activities-pack> **B**

Technologies

Plastic Bottle Challenge

Don't be a Once-ler! How many different uses for a plastic bottle can you, list, demonstrate, illustrate or design before eventually putting it in the recycling bin?

Make a Whisper-ma-Phone

Using scrap materials if at all possible, make a Whisper-Ma-Phone with a hose and funnels or cup and string. Can you work out how they might work? A starting point for investigation into sound and how it travels.