



Living Things

Use the collecting equipment to survey your playground and surrounding areas for living bugs and insects. Where are different animals found and why? Move onto plant surveys using the quadrats. What is in the trees? Find out using the sampling nets. Use identification charts to name your finds and contribute data to national



This **Pocket ID Guide** is part of the OPAL Bugs Count survey pack. Use it to identify the invertebrates that you find.



How can I access the resources?



All establishments in East Ayrshire have access to the resource boxes with no charge. However if equipment is not returned then an invoice will be issued. Other local authority establishments can borrow or purchase for a charge. Please contact LOST on the email below.

It is recommended that you attend CPD/Training which is offered through EAC Gateway (<https://eastayrshire.cpdservice.net/>) This will give you some key skills in getting the maximum learning experience for the pupils from the resources available.

For best results we advise staff to collect resource boxes before the start of a term so they can familiarise themselves with the materials. There are holistic mindmaps covering all curriculum areas for each of the resource boxes to allow them to be used as termly projects.

Learning Outdoors Support Team (LOST)

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@eaclost
#EACLOST



East Ayrshire
Outdoor Education



Curriculum Outdoors Attainment Challenge

Science Out of the Box!



East Ayrshire Council
Comhairle Siorrachd Àir an Ear



Proud to be UK Council of the Year



Vibrations and Waves

Explore how sounds are made in nature, and investigate what affects the type of sounds produced, using a range of materials. Then look at what sound is and how it is transmitted from one place to another.

Make your own music from materials found in the playground.



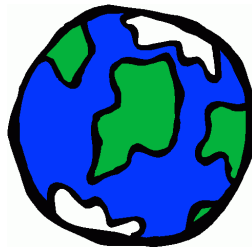
Forces

See how forces affect everyday objects. Develop investigation skills by looking at what factors affect the fall of a parachute. Move on to considering streamlining by making and launching rockets. Finish off with a challenge to make a safe earth lander for an egg!



Senses

How do pupils sense what is around them, what happens if these senses are disrupted? How can we use our senses in a more focussed way? Use the equipment to mix up their senses and see what happens.



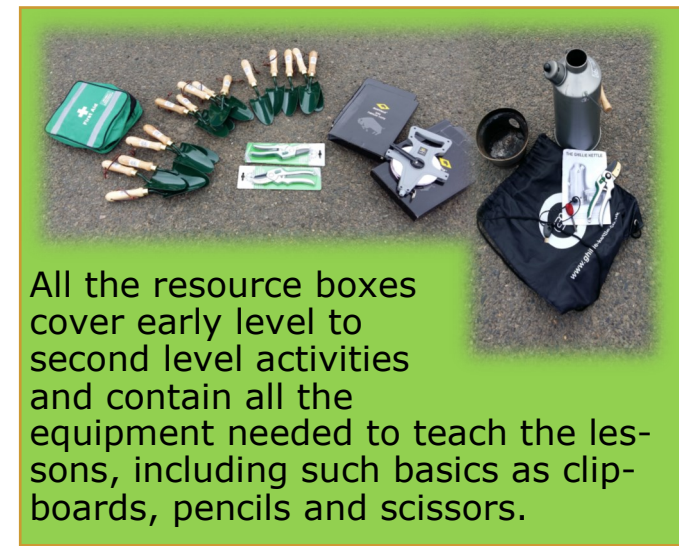
Space

Get children looking at the sun and the sky. What causes shadows, how can we use them to tell the time? Are they always the same? Build a model of the solar system in the playground to try and show the immensity of space.



Materials

Look at the materials around you, what properties do they have? How can these properties be used to make things? Investigate which fabrics would be best to make a rucksack and justify the choices. Build a shelter. Look at chemical changes through; firelighting and cooking, composting of natural materials and also making some fizzy slime. Comes with firelighting and den building



All the resource boxes cover early level to second level activities and contain all the equipment needed to teach the lessons, including such basics as clipboards, pencils and scissors.