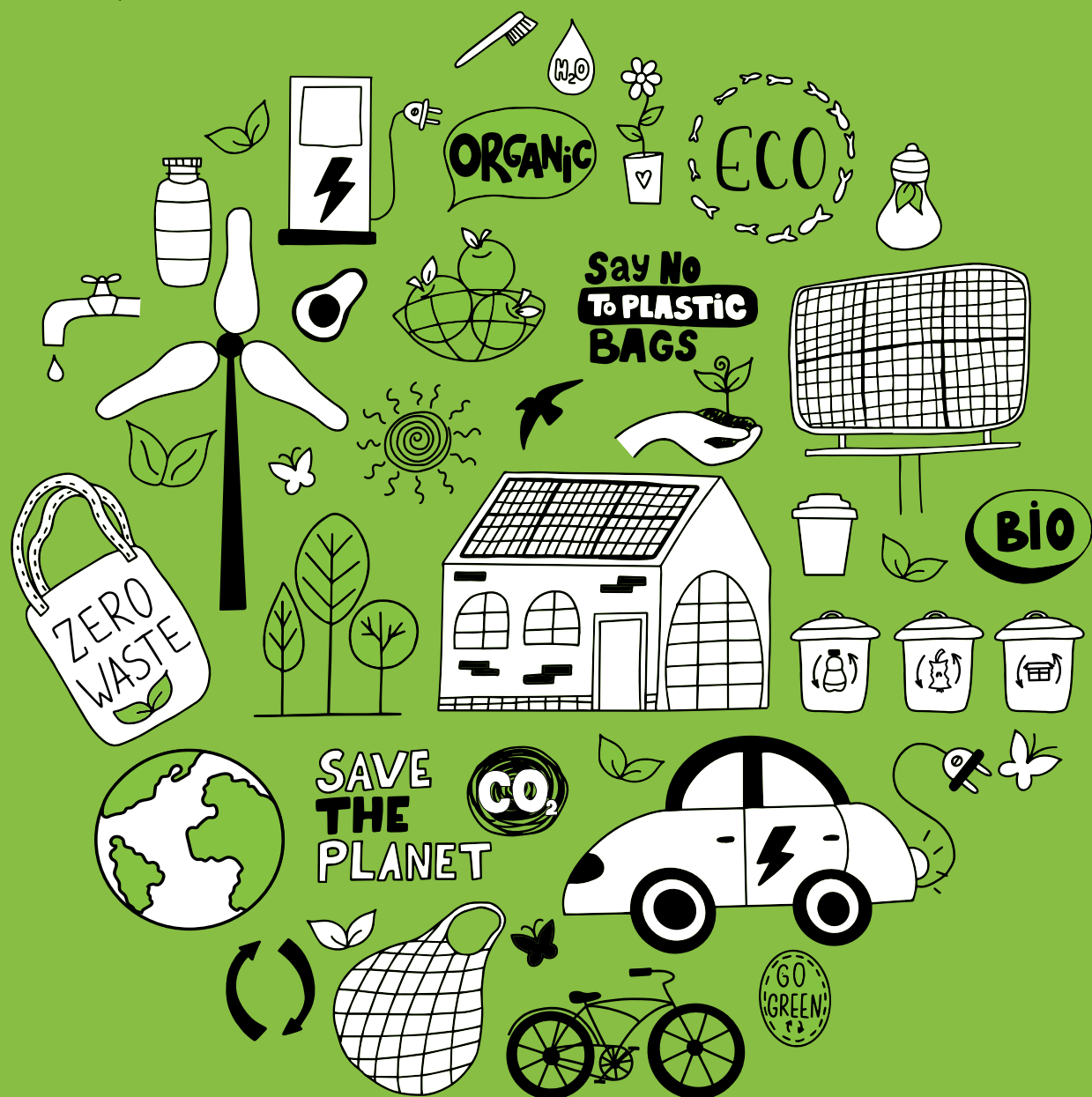
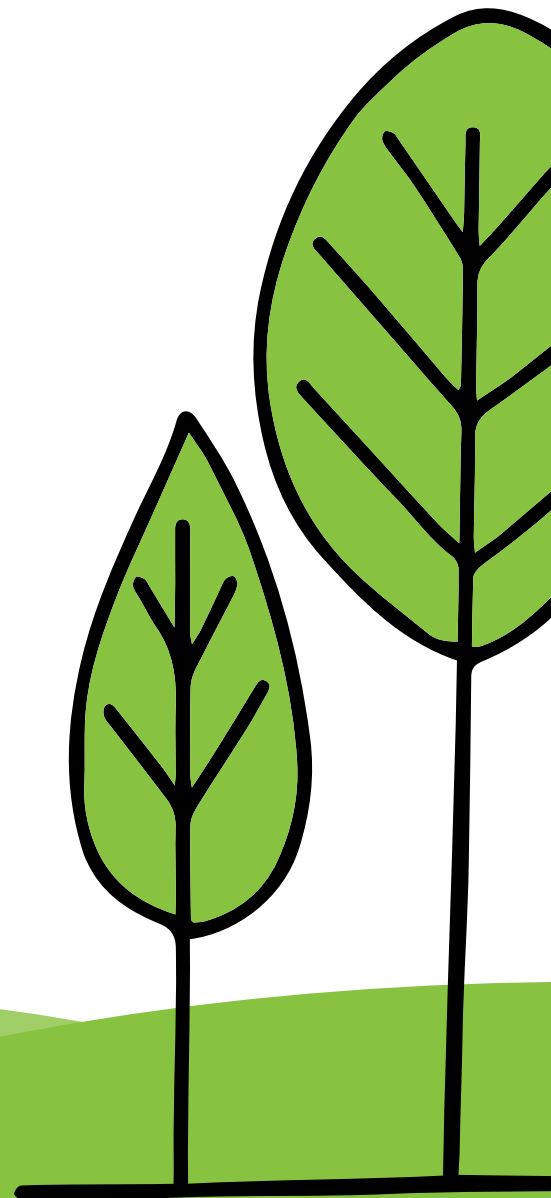
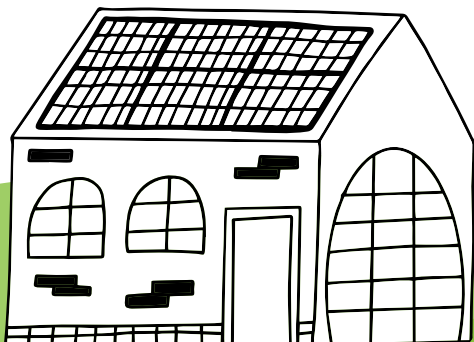


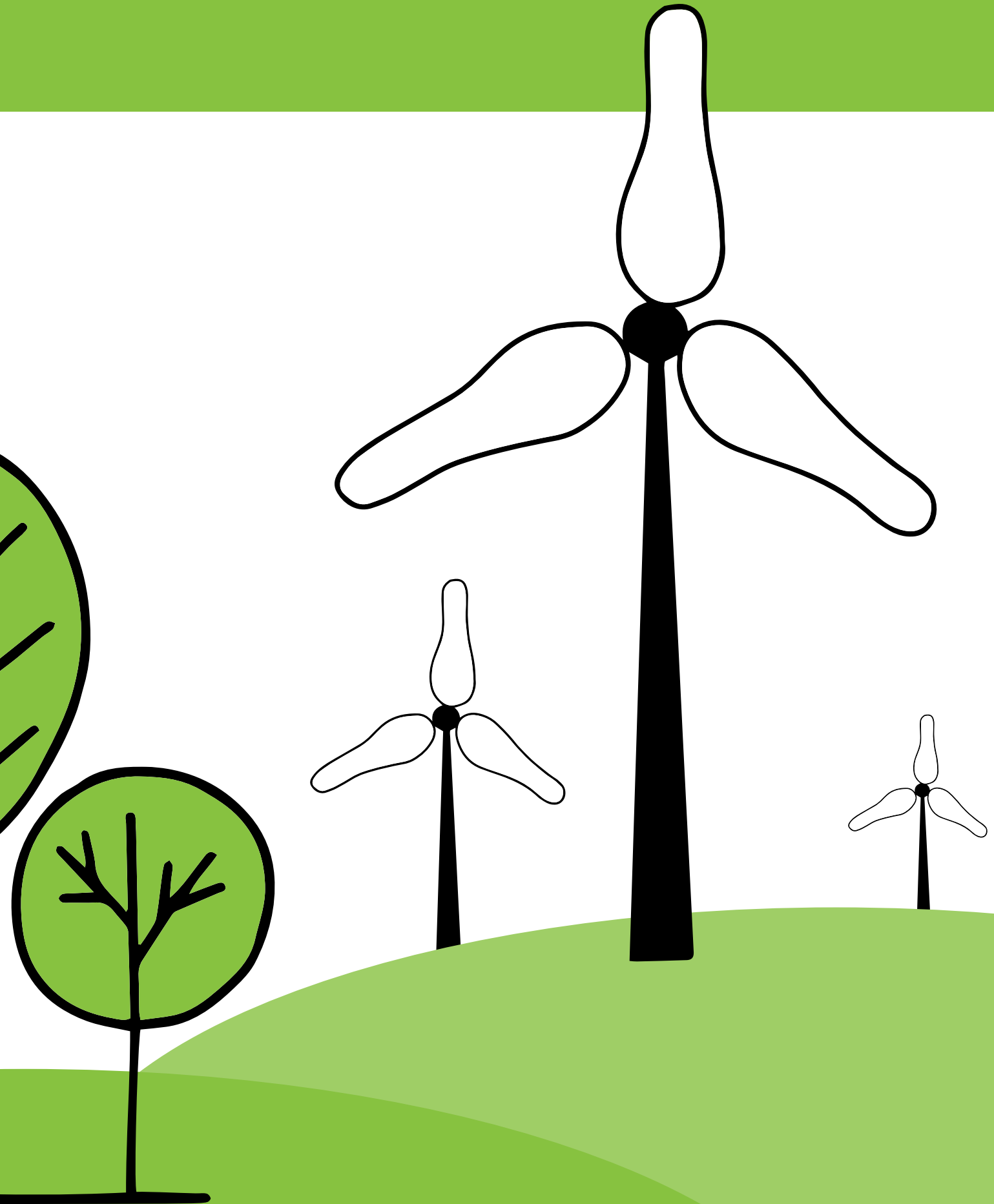
Dundee City Eco-Schools Resource Pack 2024/25



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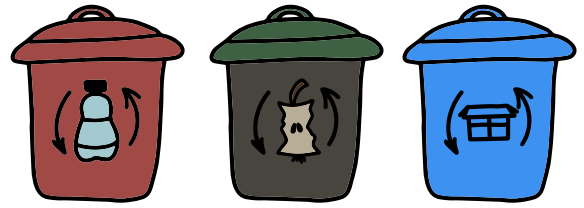
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1. Litter and Waste

This topic covers actions on litter, fly-tipping, graffiti, and waste minimization actions such as reducing, recycling, and composting.



Dundee City Council Contact

Sally McConville – Environment Assistant
sally.mcconville@dundeecity.gov.uk

Hamish Donaldson – Projects Officer
hamish.donaldson@dundeecity.gov.uk

Local Resources Available

- **Scrapantics** can provide support to identify ways to embed creativity and environmental art into the curriculum.
- The Scrap store is in Meadow Mill, it is open to the public, and they have a huge array of materials and resources, and space to run workshops.
- **Sustainable Dundee Website, Litter & Waste.**
- **Visits and Education - MVV Energy.**
- **Recycle for Dundee | Dundee City Council.**

Online Resources

- Keep Scotland Beautiful: **Spring Clean Live Lesson Clean Up Scotland, Handy Litter Resources, Upstream Battle on the Tay, and It's Your Neighbourhood.**
- Zero Waste Scotland's website and social media have great resources: **Zero Waste Scotland, Communications Resources.**
- **Bin It Education Resources.**
- Marine Conservation Society: **Fun and Learning Resources & Campaigns.**

Context for Learning

- Arts and crafts with sustainability at the heart of the activity, ensuring materials can be recycled/ composted afterwards.
- Science
- Textile design
- Environmental studies
- Technical studies
- Biodiversity
- Fashion
- Interdependence
- Creativity
- Language
- Teamwork
- Citizenship
- Planet Earth

What the waste team can do to support your Eco-Schools Journey

- Help to raise the profile of Waste Education within the school environment.
- Help to bring about a positive change in behaviour towards waste minimisation and management in schools, cascading down and into the home.
- Find ways to develop and enhance the services we offer to schools.
- We can attend/assist at school assemblies, class talks/events and attend Eco Group Meetings.
- There are different Recycling rates and types throughout the city, we can support you to monitor what your school recycles/ wastes and how to work this out.

Local Facts Related to Topic

- Litter is waste in the wrong place and there are many different causes.
- Littering is illegal and you can be fined £80 for throwing down or dropping an item in any open public space.
- Not cleaning up after a dog you are responsible for when it fouls in a public open space is illegal and you can be fined £80 if you do not pick up. In total litter and fly-tipping costs Scotland over £78 million each year.
- £53 million of public money is spent each year on the direct costs of litter and fly-tipping (e.g., clean up, enforcement, education), that is over £1 million a week!
- 80% of marine litter comes from land-based sources, by stopping litter on land we can help prevent it entering water courses and ending up in our seas and oceans.
- Scrapantics have diverted 45 tonnes of waste away from landfill and used this to inspire creative projects across Dundee – help us to make it even more!

Tips and Ideas

There are lots of initiatives for you to get involved with on at a national and local.

Including:

- Creating a Litter Prevention Action Plan for your school.
- Gathering data on litter through litter surveys.
- Learn about single use plastic and what alternatives there are.
- Dundee's Take Pride In Your City campaign.
- Clean Up Scotland all year round and their annual spring clean in April and May, and the #2MinuteCleanUp.

- Join Beautiful Scotland and/or the It's Your Neighbourhood scheme.
- Campaign and advocate for less packaging/ single use plastics within your school and wider community, e.g. introduce a swap shop within your school/ have a zero-waste day/ package free week etc.
- As an Eco Group, can you help your school collect recycling or encourage more recycling?

Case Studies

Grove Academy pupils have been improving their local environment, working closely with local groups, such as Broughty Ferry in Bloom and their local primary school:

- The pupils carry out litter picks, an annual beach clean and litter survey for the Marine Conservation Society's Great British Beach Clean. They supported campaigns: Keep Scotland Beautiful's 'Give Your Litter a Lift' and 'My Beach, Your Beach' campaign through litter picking and litter surveys.
- The pupils also help brighten up their local environment and improve biodiversity by planting in two areas of Broughty Ferry: Shiell Street and Queen Street car park. Both projects are registered with the It's Your Neighbourhood scheme.

Share what you are doing, it's a great way to highlight all your good work and inspire others!

What the Neighbourhood Services Team can do to support your Eco-Schools Journey

- Put you in touch with local community groups to work on tackling litter.
- Provide advice for your litter pick (e.g., locations, how to arrange, campaigns you can get involved with).
- Lend equipment for litter picks/clean ups.
- Provide information on the Council's Take Pride in Your City campaign, and how your Eco-school can get involved.
- Help share and promote the excellent work you are doing through the Council's Take Pride in Your City campaign.
- Help support you to create a Litter Prevention Action Plan (LPAP) for your school.
- Provide advice on Keep Scotland Beautiful initiatives such as Clean Up Scotland, Beautiful Scotland, It's Your Neighbourhood, and Upstream Battle on the Tay.
- Find ways to develop and enhance the services we offer to schools.
- We can attend/assist at School Assemblies, Class Talks/Events, Visits to Recycling Centre, Attend Eco Group Meetings.

Curricular Links

Experiences and Outcomes
SCIENCE: Properties and uses of substances **SCN 0-15a**, **SCN 1-15a**

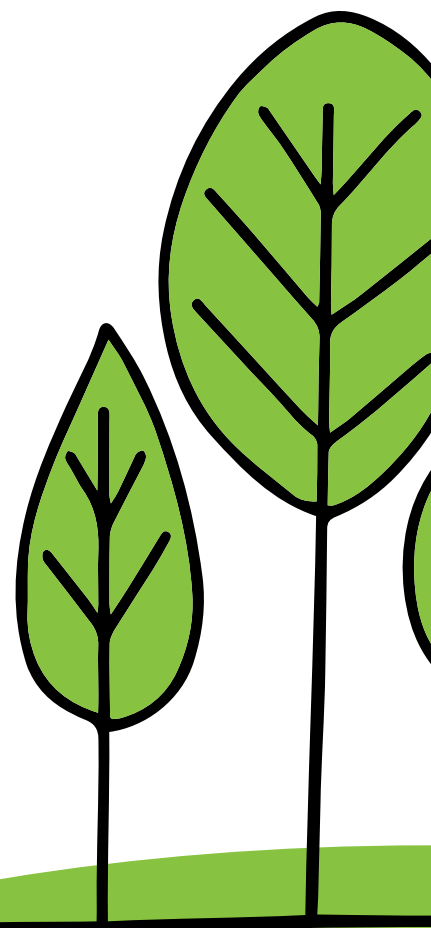
NUMERACY AND MATHEMATICS
(Information handling): **MNU 0- 20b**, **MNU 1-20b**, **MNU 2-20b**

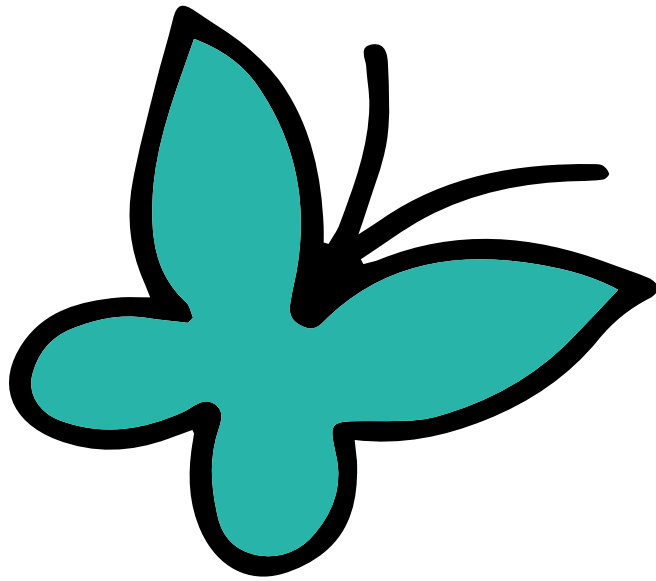
Keep Scotland Beautiful Eco-Schools Topic Information:

Eco-Schools At Home Activities Litter & Waste

Curricular Map:

Eco-Schools Curricular Maps - Litter & Waste





Say No 
To PLASTIC
BAGS



2. Biodiversity

Maintaining a high level of plant, insect, and animal life locally and globally.



Dundee City Council Contact

Colin Donald – Countryside Ranger
colin.donald@dundeecity.gov.uk

Local Resources Available

- There are many **parks and greenspaces** rich in biodiversity with free public access in and around Dundee!

Online Resources

- **Nature Scot** and **the RSPB** have lots of free activities and resources to connect children with nature.
- Keep Scotland Beautiful's Learning about Forests (LEAF). LEAF follows the school year and schools can **sign up for August 2024**.
- Keep Scotland Beautiful Natural Scotland Week, offers live lessons and covers biodiversity. Schools can **register here**.
- Managing school grounds for biodiversity can be as simple as asking for an area of grass to be left unmown, to building and planting planters, bug hotels and installing compost bins.
- If you have a woodland area, then bird or bat boxes can be made and put up.
- Keep a record of before and after your project by taking photographs or carrying out a bird or mini-beast survey before and after. This will allow your students to measure and see what difference(s) your project has made.
- Visit a local park, or simply go outside and explore your school grounds by foot; take a survey of the varying types of flora and fauna.
- Become a **Hedgehog Friendly School** and encourage hedgehogs to explore your school grounds.

Curricular Links

Experiences and Outcomes
SCIENCE - Biodiversity and Interdependence
SCN 0-01a, SCN 1-01a, SCN 2-01a, SCN 1-02a, SCN 2-02a, SCN 2-02b

What we can do to support your Eco-Schools Journey

- Provide advice on biodiversity within school grounds and the wider city.
- Signpost schools to related biodiversity organisations.
- We can arrange visits from local rangers to teach schools about biodiversity.
- There is the potential to arrange trips for small groups to see examples of biodiversity within Dundee. Or we can provide teacher training sessions.

Local Facts Related to Topic

- Dundee is one of the very few cities in the UK to have its own population of Red Squirrels. If schools have an area of woodland or are close to wooded areas Squirrels can be encouraged to visit.
- Many other threatened species such as hedgehogs, sparrows, starlings, and bats can be found in Dundee and would benefit from action taken in school grounds to support their populations.
- School grounds can help varieties of pollinators by planting nectar rich plants. Case Studies Menzieshill Nursery, Grove Academy, St. Andrew's Primary, Barnhill Nursery, Mill O' Mains Nursery and St. Mary's Primary have installed successful bug hotels, bird feeders and more.
- **Urban ReLeaf Dundee** a citizen science project, is engaging the community to contribute their observations and perceptions of greenspaces across the city.

Keep Scotland Beautiful Eco-Schools Topic Information:
Eco-Schools: Biodiversity

3. Climate Action

Climate Action look at all aspects of Climate Breakdown: why and how it affects our daily lives, what the causes are, and how to take action to prevent and reduce the effects of carbon on our environment.

Dundee City Council Contact

Sustainability & Climate Change Team
sustainability@dundeecity.gov.uk

Local Resources Available

- **The Dundee Climate Action Plan** was created in response to the declaration of the Climate Emergency, the plan has 64 actions all of which are linked to the United Nations Sustainable Development Goals.
- **Bright Green Hydrogen** can facilitate renewable energy learning in the classroom through their workshops.
- Check out **Transition Dundee's** current projects such as the West End Community Fridge and the City Gleaning Project. These are notable examples of projects connecting communities and saving carbon emissions.
- Explore the **Sustainable Dundee Map**, a city-wide initiative to tackle the Climate Emergency locally and is aligned with the UN's SDGs (Sustainable Development Goals). This map gives an overview of local initiatives in relation to the UN SDGs.
- **Dundee's Emissions Dashboard** can provide an insight into the City's climate data.

Keep Scotland Beautiful Eco-Schools Topic Information:

Eco-Schools: Climate Action

Curricular Links

Experiences and Outcomes

Social studies (People, Place and Environment)
SOC 0-08a, SOC 1-08a, SOC 2-08a

Health and Wellbeing (Social Wellbeing) HWB
0-13a, HWB 1-13a, HWB 2-13a, HWB 1-18a

Sciences (Energy sources and sustainability)
SCN 2-04b, SCN 3-04b, SCN 4-04b

Tips and Ideas

- There are **lots of resources online** to help your class understand climate change, its impacts and how we can contribute to its solution.
- Keep Scotland Beautiful **Climate Action Week Lessons**, happen annually in September.
- Learning about carbon footprints is a wonderful way to begin to understand our impact and how to reduce it.

What we can do to support your Eco-Schools Journey

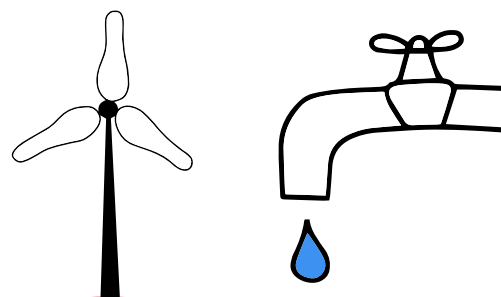
- Climate Action encompasses a range of topics including biodiversity, energy sources, sustainability, travel, and wellbeing, we can provide support on a range of topics and connect you with others to arrange talks and workshops! Explore **our new website here**.
- We can share knowledge and information on the Dundee Climate Action Plan and current work underway by Dundee City Council to mitigate and adapt to climate change.

Local Facts Related to Topic

- Lots of work is going on in Dundee to tackle the climate emergency. Did you know?
- Almost 5,000 homes in Dundee have been thermally upgraded, creating warmer homes, reducing fuel bills, and tackling fuel poverty.
- All streetlights have been replaced with LED's which are 90% more efficient than regular lights.
- The V&A Dundee runs solely on geothermal energy, which means heat from within the Earth!
- Electric vehicles (EVs) currently represent over 35% of the council's small van and car fleet.
- The switch to EVs has seen the council travel over 5.6 million miles on pure electric.

4. Energy and Water

These two topics include reducing energy and water use, investigating greener energy sources and look at how clean water is becoming an increasingly rare and valuable commodity.



Dundee City Council Contact

Alex Gibson Team Leader Energy
alex.gibson@dundecity.gov.uk

Local Resources Available

- Energy saving survey checklists
- Classroom checklist
- Myths and FAQ's
- Carbon comparisons
- Stickers and posters
- Bright Green Hydrogen can provide educational workshops. Contact: karen@thebusinesspartnership.org.uk

Tips and Ideas

- Carry out an energy survey of your school – e.g., at various times of the day.
- Design your own energy saving posters and stickers.
- Have a switch off day and see how much energy you can save.
- Scottish Water have **online modules and resources** relating to the curriculum for specific year groups.

Curricular Links

Experiences and Outcomes
SCIENCE – Energy Sources and Sustainability
SCN 0-04a, SCN 1-04a, SCN 2-04a, SCN 2-04b

Context for Learning

STEM Engineering – District heating Systems

What we can do to support your Eco-Schools Journey

- Talks about energy and energy saving measures.
- Provide reports on energy and water consumption for the school e.g., comparing year on year, or the effect of an energy saving (switch off) day.
- Provide advice and resources to support energy and water saving campaigns or strategies.
- STEM links - Engineering – District Heating System/Strategy presentation/talks.

Local Facts Related to Topic

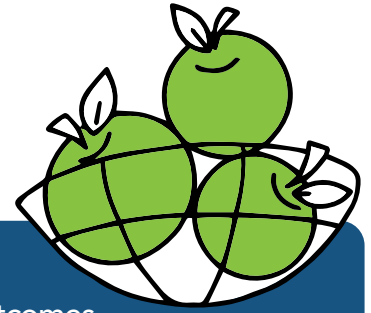
- Dundee's Education Department took on a target to reduce its energy costs by 10% in 2015/16 through an energy saving campaign. This was supported by the Energy Management section of the Council.
- The target was achieved and has been maintained since then. However, there are still opportunities for further savings in schools.
- Case studies are available from Downfield Primary and Dens Road Primary. A Head Teachers energy saving workshop produced over 100 ideas for actions, which have been compiled into a report.

Keep Scotland Beautiful Eco-Schools Topic Information:

Eco-Schools: Water
Eco-Schools: Energy

5. Food and the Environment

Most of us can name foods that are part of a healthy diet, but this topic challenges you to think about whether foods are also good for environmental health locally and globally.



Dundee City Council Contact

Kate Treharne – Community Allotments Officer
kate.treharne@dundeecity.gov.uk

Local Resources Available

There are many community gardens that can be joined for ideas and understanding. Find a [map of locations here](#).

Online Resources

- **One Seed Forward** links food growing to the Curriculum of Excellence with modules, topics, awards and more!
- **Royal Caledonian Horticultural Society** has lots of activity ideas.
- **The RHS** has lots of information including design tips, lesson plans and crop sheets for every vegetable you might wish to grow.
- Learn about sustainable food systems at **Nourish Scotland**.

Tips and Ideas

- Learn about growing food organically, [here!](#)
- Check out Suttons Complete Beginners Guide to Growing your own Vegetables
- **The Soil Association's Food for Life campaign** can provide support for organic, local and healthy school meals.

Keep Scotland Beautiful Eco-Schools Topic Information:

Eco-Schools: Food and the Environment
Food and the Environment.

Curricular Links

Experiences and Outcomes

SCIENCE – Biodiversity and Interdependence
SCN 0-03a, SCN 1-03a, SCN 2-03a

SCIENCE – Biological Systems Inheritance
SCN 1-14a, SCN 2-14a, SCN 2-14b

What we can do to support your Eco-Schools Journey

- Provide advice on garden space building and planting.
- Information on resources available to help with planting, sowing and more.

Local Facts Related to Topic

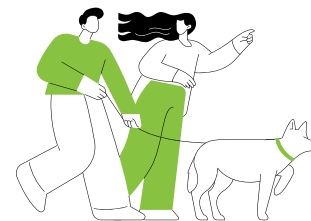
- Berries are the key local fresh product; James Hutton breeds new cultivars (links to genetics, evolution, nutrition, life cycles, pollinators, climate change, medical drugs from plant sources and more!).
- Kingspark, Rockwell and Claypotts Castle PS now have Polycrubs providing a useful outdoor classroom as well as protected growing space.
- St Mary's Primary have taken over the Whorterbank Tattie Patch; a good example of a raised bed, accessible structure. PEF invested in this case.
- The MAXwell Centre works with local Primary Schools to facilitate growing projects. This is an established project with a strong set of staff and several successful projects e.g., Summer Garden Club.

Case Studies

- Balgarthno Campus have community growing space and an orchard.
- King's Park School have raised beds and are planning to install more.
- St Peter and Paul's Primary School has raised beds in their tarmac playground, supported by the MAXwell Centre.

6. Health and the Environment

Health and Wellbeing covers all aspects of health - physical and mental health as well as social wellbeing.



Dundee City Council Contact

Audrey White – Education Support Officer
audrey.white@dundeeccity.gov.uk

Sarah Anderson – Education Support Officer (Health and Wellbeing)
sarah.anderson@dundeeccity.gov.uk

Local Resources Available

We can support with embedding a range of interventions, including:

- Loose Parts Play
- Active Play and Play Champions
- Play based approach at early level
- Ancrum Outdoor Learning
- John Muir Award
- Outdoor Learning and Numeracy
- Outdoor Learning and Literacy through Lost Words
- And lots, lots more.

Local Facts Related to Topic

- Approximately 21 Primary Schools and Kingspark School are now a part of the Outdoor Learning and Play Collegiate Group.
- Dundee now has a Low Emissions Zone (LEZ) to reduce pollution levels and improve air quality.

Curricular Links

Experiences and Outcomes
Experiences and Outcomes Social Wellbeing
(all Es&Os HWB-09,10,11,12,13,14), HWB-18a, HWB -19a

What we can do to support your Eco-Schools Journey

Join our Outdoor Learning and Play Collegiate Group which aims to support the Collegiate Group schools to embed a whole school approach to outdoor learning and play, as part of the priorities within their school Improvement Plan. This will be completed through the following priorities:

- Flexible outdoor learning and playful environments for the school and community.
- Increased teacher/support staff awareness and understanding of outdoor learning and play.
- Increased teacher/support staff confidence and skills to take learning outdoors.
- Removing the barrier to outdoor learning and play – Health & Safety, solutions to going outside in Scottish weather.

Tips and Ideas

- Consider Eco-Schools as part of a whole school approach to develop pupil leadership, participation and provide opportunity for pupil voice to be used in a meaningful way.
- Allocate an outdoor learning and play champion within your school.
- Seek and take advantage of the available support through our Collegiate Group.

Keep Scotland Beautiful Eco-Schools Topic Information:
Eco-Schools Health and Wellbeing.

7. Global Citizenship

Taking an active role in your community and making our planet more peaceful, sustainable and fair.



Dundee City Council Contact

Sustainability & Climate Change Team
sustainability@dundeecity.gov.uk

Local Resources Available

- One World Centre library, including photo packs, games, CDs, posters, story books & novels on Global Citizenship themes. To see what's available, including online materials, visit: [Signposts Global Citizenship](#)
- Check out the schools pages of [STRIDE](#), a free national quarterly online magazine for teachers.

Tips and Ideas

- Try some starter activities on the World's Largest Lesson to get children's ideas on which goal they think is most important and relevant for their school to work on.
- Fair Trade - for classroom resources, check out the Scottish Fair Trade Forum or the Fairtrade Foundation. Both these organisations can help to explore the concept of climate justice from a human rights perspective.

Curricular Links

Experiences and Outcomes
Links to Social Studies Curriculum
SOC 0-08a, SOC 1-08a, SOC 2-08a, SOC 2-08b, SOC 2-07b
Also links to HWB and RME curriculum

Context for Learning

Children's Rights Literacy Numeracy H&WB
Four Capacities - All

What we can do to support your Eco-Schools Journey

- Provide Professional Learning opportunities for teachers, free of charge, on all aspects of Global Citizenship within Learning for Sustainability.
- We have a wide selection of resources across all levels available to borrow.
- We can provide advice on suitable activities and resources matched to the individual needs of your school.

Local Facts Related to Topic

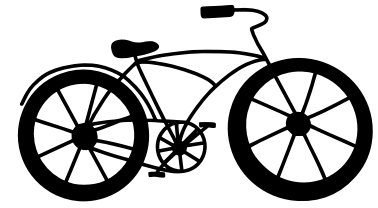
- One World Centre have a downloadable pack on their website called '[Dhaka to Dundee](#)' which explores this in detail, with over 30 lesson plans, updated to include the SDGs.
- Did you know the One World Centre set up Dundee's Fair Trade Forum? You can become a local Fair Trade Finder and help spread the word about all the places in Dundee where you can find Fair Trade goods.
- Dundee celebrates 20 years as a Fairtrade Community in March 2024!
- The [Dundee Global Trail](#) has been compiled which links Dundee to different parts of the world e.g., Verdant Works links Dundee's industrial past with current issues of global social justice in India & Bangladesh today.

Keep Scotland Beautiful Eco-Schools Topic Information:

Eco-Schools: Global Citizenship
Eco-Schools Curricular Maps - Global Citizenship

8. Transport: Active Travel

Most of Scotland's emissions come from private car journeys. The easiest way to reduce emissions is by participating in Active Travel - the healthiest way to travel.



Dundee City Council Contact

Neil Quinney, Active Travel Project Officer
neil.quinney@dundeecity.gov.uk

Local Resources Available

- Waterfront Active Travel and **Dundee Cycle Hub** is now open! They can provide info on walking groups, cycling routes, bike repair and rental.
- Dundee has a great circular economy. If you are looking for a second hand (kids) bike pay a visit to **Tayside ReUsers** or visit **Dundee's Cycle Hub**.
- Bikehangars can now be found across the City, apply for a space in a secure cycle storage unit [here](#).

- Contact active travel officers for advice and presentations cycling@dundeecity.gov.uk.
- Provide a link with the Dundee Cycle Hub at the Waterfront.
- Provide posters, information, support and talks on the Get on the Go campaign, WOW (Walk One a Week) (walk one a week) Travel Tracker with the Strider mascot.
- Sustrans do a lot of work around Dundee and more information about this can be found [here](#).
- We can facilitate and organise a creative ideas session for mobility solutions in Dundee.

Local Facts Related to Topic

- The **Green Circular** is a 25-mile leisure cycle and walking route around the city.
- **The Dundee Cycle Map**, shows ways of getting across the city using quieter roads, cycle lanes and off-road routes! More cycling and mountain biking routes can be found [here](#).
- There are a variety of **Cycling Clubs** available across the cities for all ages and abilities.
- Dundee City Council's School Streets Project, find out more [here](#).

What we can do to support your Eco-Schools Journey

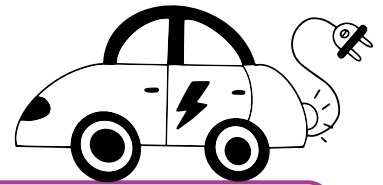
- Presentations and Bikeability sessions from the Active Travel Team at Ancrum Outdoor Centre. Ancrum Outdoor Centre also offer a host of activities to schools. Activities can be arranged.

Tips and Ideas

- Become accredited by **Cycling Scotland** as a Cycling Friendly Primary or Secondary School. Cycling to school brings many positive benefits: keeping children fit and healthy, building their confidence and giving them skills for life.
- Create information posters/leaflets on walking and cycling to get children thinking about alternative, more sustainable transport to school.
- Reinforce the benefits of cycling, walking, and scooting to school such as increasing road safety awareness, saving money, arriving to school alert, boosting mental health & wellbeing, and reducing pollution.
- We can arrange for banners asking parents/carers etc not to park near the school. These can be attached to the school gates/fence.
- Encourage exploring Dundee by foot. Dundee has many interesting walking maps available for the whole family.

9. Transport: Decarbonisation

The future of Dundee travel is electric. Moving to sustainable transport choices, reducing the reliance on individual traffic, and participating in public transport is key to a sustainable future.



Dundee City Council Contact

Emma West - Low Carbon Team - Drive Dundee Electric
emma.west@dundeecity.gov.uk

Local Resources Available

- EV Charging Hubs - opportunity for site visits and demonstrations of plugging in a car. Plus, potential for small scale surveys and data collection; car counting, time spent/energy consumed at each charger and more.
- Xplore Dundee's electric fleet, potential for a visit or a bring a bus to school.
- Visit one of Dundee's 200+ electric taxis. Many drivers switched to electric after the LEZ introduction.

Tips and Ideas

- Create information posters/leaflets on scooting, eBikes, buses, EVs, car sharing, park & stride to get children thinking about alternative, more sustainable transport to school.
- Brainstorming sessions for kids to explore the benefits of active travel, EVs and clean energy sources.
- School competitions to name our new electric vehicles (bin lorries and sweepers already named for reference).
- Exploring Dundee by foot. Dundee has many interesting walking maps available for the whole family.

Curricular Links

Experiences and Outcomes
SCIENCE - Electricity SCN 0-09a, SCN 1-09a, SCN 2-09a, SCN 2-10a
Technology TCH 0-05a, TCH 1-05a, TCH 2-05a

What we can do to support your Eco-Schools Journey

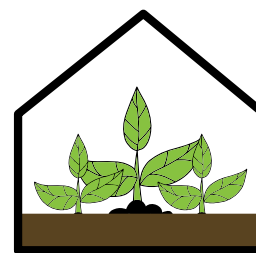
- A talk/presentation on electric vehicles (EVs), covering where our electricity comes from and the shift from fossil fuel to cleaner & cheaper electric transport.
- Talks on air quality and the health impacts of pollution.
- Bring an EV to the school grounds to compare, explore, and learn more about.
- Provide information on the Drive Dundee Electric campaign with supporting marketing materials and merchandise.
- Provide EV activity sheets i.e., colouring posters for events/classrooms.
- Provide video and drone footage of local EV infrastructure for presentations/talks.

Local Facts Related to Topic

- Since switching to EVs the council travelled over 5.6 million miles on pure electric, saving an estimated 250,000 tons of CO₂ in the process.
- Dundee has the highest concentration of EVs of any city in the UK. Dundee City Council was the first Local Authority to have over 100 EVs in the fleet.
- Dundee's public EV charging infrastructure includes 37 rapid chargers and 86 fast charging posts so the city can charge approx. 180 vehicles per square mile while the UK can just charge 6.6 vehicles per square mile.
- By 2027 the Council wants to convert 20% of all vehicles to electric, making the city sit at the forefront of EV technology in the UK and Europe.

10. School Grounds

The way school grounds are developed, used, and managed can have a significant impact on pupils' attitudes and behaviour towards school, each other, the wider environment and society.



Dundee City Council Contact

Sustainability and Climate Change Team
sustainability@dundeecity.gov.uk

Local Resources Available

- **Learning through Landscapes** is a great resource, it highlights how imaginatively developed school grounds can contribute to curriculum teaching and learning.
- Find out about building resilience through play with **Playful Schools**.
- There are lots of creative solutions to create a more **sustainable school**.

What we can do to support your Eco-Schools Journey

- Provide advice on biodiversity, food growing, sustainable design, energy solutions, recycling, and active travel.

Case Studies

- Get inspired by Eco-School's school **grounds transformations and case studies**.

Curricular Links

Experiences and Outcomes
Four capacities (successful learners, confident individuals, responsible citizens, effective contributors).

Tips and Ideas

School grounds can provide opportunities to:

- Devise and build technological solutions for developing alternative energy systems.
- Experiment and build with recycled materials.
- Use organic products and practise organic gardening.
- By providing good facilities such as secure cycle sheds and well-designed access routes, school grounds can also promote sustainable transport – cycling and walking – and should be a consideration within School Travel Plans.
- Design for minimum environmental impact.
- Re-use materials on site and source recycled materials.
- Design and build for the conservation of water resources, consider ponds.
- Use locally sourced materials & local contractors.
- Maximise the positive capacity of the natural environment, including light, shade, ventilation, and micro-climate.
- Make optimal use of green technologies, such as renewable energy and reed bed filtration.
- Appeal to children's intellect and sense of fun with features designed to stimulate their senses and encourage physical and mental exploration.

Keep Scotland Beautiful Eco-Schools Topic Information:

Eco-Schools: School Grounds

11. Our Heritage

This brand-new topic for Eco-Schools Scotland aims to guide young people through the impact that climate change is having on our heritage.

Dundee City Council Contact

Sustainability and Climate Change Team
sustainability@dundeecity.gov.uk

Local Resources Available

- View Dundee Heritage Trust's [learning opportunities](#).
- Check out Dundee's [Tree and Woodland Heritage Guide](#). This document introduces information about Dundee's rich arboricultural heritage.
- Learn about the history of the Dundee Law using the [interactive timeline here](#).

What we can do to support your Eco-Schools Journey

- Direct you to local resources relevant to your interest within the Heritage topic.
- Provide more information about [how climate change will affect Dundee](#).

Case Studies

- If you want to learn more about running the Heritage topic in your setting. Get inspired by Eco-School's [heritage engagement and case studies](#)
- Look at the Action Plans below from schools who have already explored the Heritage topic.
 - [Cumbernauld Village FC Action Plan](#)
 - [Ashton Secondary Action Plan](#)
 - [Falkirk High School Action Plan](#)

Curricular Links

Experiences and Outcomes. Links to Social Studies Curriculum.

Tips and Ideas

- Watch Keep Scotland Beautiful's [Mini Lesson: Our Heritage](#).
- Visit Dundee Heritage Trust (DHT) attractions at Discovery Point and the Verdant Works. DHT offer [workshops](#) at reduced rates for schools based in Dundee.
- Take a walk through Dundee's past and experience rich and diverse culture on [Dundee's Heritage Walks](#). Routes include the City Centre, City Braes, West End, Maritime and Broughty Ferry!

Keep Scotland Beautiful Eco-Schools Topic Information: Eco-Schools: Heritage

