Framework for Learning and Teaching; COP 26 – Early Level









A Learning for Sustainability Resource

















Aims

- To review current policy and practice regarding Learning for Sustainability.
- To highlight the rationale behind the development of the Learning and Teaching Framework for COP 26.
- To introduce practitioners to the Framework including locating and navigating the resource.
- To explore key features of the resource and example lesson plans.











developing political literacy ethos international education embedded in the curriculum understanding interdependence protecting biodiversity values-based resilience addressing discrimination and prejudice outdoor learning human rights local to global sustainable energy and water use skills for work children's rights fair trade eradicating poverty and inequity contact with nature links between environment, society and economy creativity

learning for sustainability

peace and conflict learning for a better world critical thinking

respect ethical issues identity and heritage waste reduction and recycling

social justice sustainable buildings and grounds discussing controversial issues

sustainable development education learners as leaders

tackling climate change growing food community partnerships systems thinking global citizenship

social and cultural diversity cooperative, collaborative and active learning play

health and wellbeing culture engaging with democracy

equality and fairness improving attainment and achievement

problem solving responsible use of our planet's resources



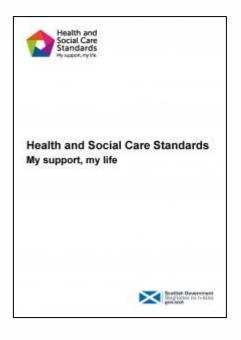


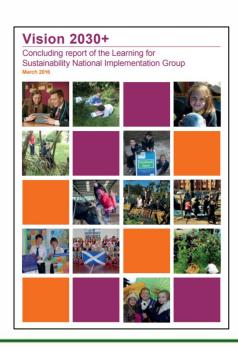






Learning for Sustainability: Policy and Practice

















Rationale: Learning for a Better World

Glasgow's Learning for Sustainability Vision:

- To support all children and young people to be caring, responsible and active global citizens developing the skills, knowledge and attitudes they need as adults to enjoy living in harmony with others, in a just and sustainable world.
- All children and young people in Scotland have an entitlement to Learning for Sustainability and it is the responsibility of all practitioners to ensure this happens. This is a whole school (setting) approach.
- Learning for sustainability (LfS) is an approach to life and learning which enables learners, educators, schools and their wider communities to build a socially-just, sustainable and equitable society. An effective whole school and community approach to LfS weaves together global citizenship, sustainable development education and outdoor learning to create coherent, rewarding and transformative learning experiences.'











26th UN Climate Change Conference of the Parties (COP26)

- Global united summit about climate change and how countries are planning to tackle it.
- World leaders and delegates will attend the Scottish Exhibition Centre in Glasgow from 1st
 - 12th November 2021
- Report on progress since Paris Agreement (2015)











Framework for Learning and Teaching; COP 26

Important Information

& User Guide





Early

The resource encompasses...

Literacy for ALL strategies





Visible Thinking Routines























Sustainable Development Goals







































SDG's and Making Thinking Visible



UN SDG's Book Club





All Aboard for Global Goals













Locating the resource

Scan

1 Twitter - @GlasgowLEL



2 Google – search 'Leaders of Early Learning blog'



3 Copy and paste –

https://blogs.glowscotland.org.uk/gc/gccleadersofearlylearning/?page_id=957













Leaders of Early Learning



Q

WELCOME

GLASGOW COUNTS IN OUR > PLAYROOMS

LITERACY FOR ALL IN OUR + PLAYROOMS

GLASGOW OUTDOORS

GLASGOW HOME LEARNING

PROMOTING ALTERNATIVE >
THINKING STRATEGIES

REALISING THE AMBITION

LEARNING FOR SUSTAINABILITY

NURTURE

DR SUE GIFFORD

DLCS FRAMEWORK

CREATE EARLY LEVEL FRAMEWORK

WELCOME

Welcome to the Leaders of Early Learning Blog

On our blog you will find all the latest professional learning for <u>Glasgow Counts in our Playrooms</u> and <u>Literacy for All in our Playrooms</u>. You will also find the professional learning we have devised to support <u>Learning for Sustainability</u> and Promoting Alternative Thinking Strategies (<u>PATHS</u>). This is also a place to access current Early Learning and Childcare, including <u>Realising the Ambition: Being Me.</u>

<u>Click here for a summary of Education Scotland – key information, policy, resources, and exemplification relating to early learning and childcare (ELC).</u>

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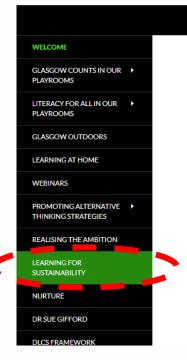


Leaders of Early Learning



BLOCK PLAY





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WELCOME

GLASGOW COUNTS IN OUR PLAYROOMS

LITERACY FOR ALL IN OUR PLAYROOMS

GLASGOW OUTDOORS

LEARNING AT HOME

WEBINARS

PROMOTING ALTERNATIVE
THINKING STRATEGIES

REALISING THE AMBITION

LEARNING FOR SUSTAINABILITY

NURTURE

DR SUE GIFFORD

DLCS FRAMEWORK

CREATE EARLY LEVEL FRAMEWORK

LEARNING FOR SUSTAINABILITY

Aims

According to Education Scotland (2018) "Learning for sustainability (LfS) is an approach to learning, life and work. It enables learners, educators, schools and their wider communities to build a socially-just, sustainable and equitable society".

All learners have an entitlement to learning for sustainability. In Glasgow Early Years we use the Growing Good Citizens toolkit to enable us to self evaluate and gain recognition through a Growing Good Citizens award: Growing Good Citizens Toolkit

COP26

With the upcoming COP26 conference being hosted in Glasgow this year (1st – 12th Nov 2021) a resource has been devised to support practitioners in engaging young children with the Sustainable Development Goals, in particular SDG 12 – Climate Action.

COP26 Framework for L:earning and Teaching - Early Level

Early Years CLPL Offer

PowerPoints

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LEL Team Retweeted





Reception maths provision ready for Summer 1.



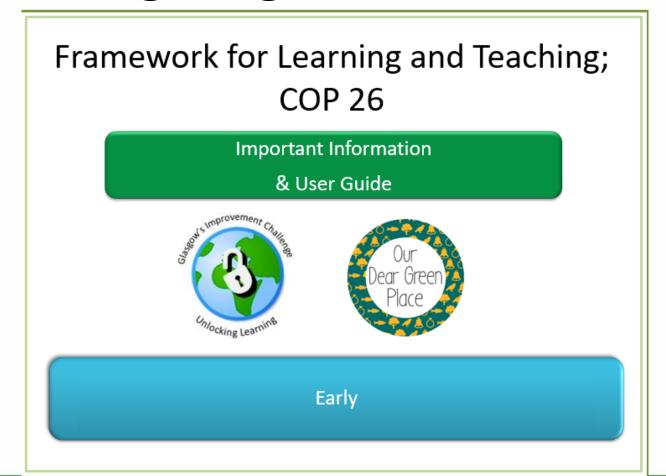








Navigating the resource...













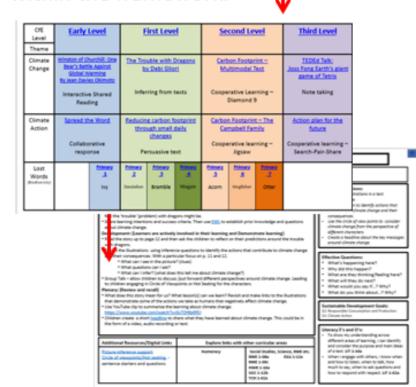


Contents



- Rationale
- Outcomes and Legacy
- Support Guidance: how to use the resource
- Sustainable Development Goals
- Climate Change
- Glossary of key vocabulary
- <u>Lessons Overview</u>
- Suggested Lesson Plans
- Supporting Resources
- Key references and resources
- Motivational Videos

- Use to navigate back to front page, to navigate back to contents or lesson navigation page, to navigate forward to an associated slide.
- Clicking on hyperlinks will take you to external webpages or organisers within the framework.





Experiences and Outcomes



"The curriculum areas of sciences, technologies, social studies, health and wellbeing and religious and moral education provide many rich opportunities to learn about climate change, renewable energy and sustainable development including moral principles which link to human responsibility for the environment."

Climate Change in Scottish Education Briefing: Education Scotland

Early Level	Technologies – Technological developments in society and business	To help care for the environment, I reduce, re-use and recycle the resources I use. TCH 0-06a	Health and Wellbeing
First level	Religious and moral education – Development of beliefs and values	ucation – Development of I put them into action in positive ways. RME 1-08a	
Second Level	Technologies – Technological developments in society and business	I can analyse how lifestyles can impact on the environment and Earth's resources and can make suggestions about how to live in a more sustainable way. TCH 2-06a I can make suggestions as to how individuals and organisations may use technologies to support sustainability and reduce the impact on our environment. TCH 2-07a	I am learning to assess and manage risk, to protect myself and others, and to reduce the potential for harm when possible.
	Religious and moral education – development of beliefs and values I am developing an increasing awareness and understanding of my own beliefs and I put them into action in positive ways. RME 2-08a I am developing my understanding of how my own and other people's beliefs and values affect their actions. RME 2-09d		HWB 0-16a / HWB 1-16a / HWB 2-16a / HWB 3-16a I know and can demonstrate how to keep myself and others
Third level	Science – Planet Earth	By investigating renewable energy sources and taking part in practical activities to harness them, I can discuss their benefits and potential problems. SCN 3-04b I can explain some of the processes which contribute to climate change and discuss the possible impact of atmospheric change on the survival of living things. SCN 3-05b	afe and how to respond in a ange of emergency situations. HWB 0-17a / HWB 1-17a / HWB 2-17a / HWB 3-17a know and can demonstrate
	Technologies – Technological developments in society and business	I can identify the costs and benefits of using technologies to reduce the impact of our activities on the environment and business. TCH 3-07a	how to travel safely. HWB 0-18a / HWB 1-18a / HWB 2-18a / HWB 3-18a
	Religious and moral education – Development of beliefs and values	I am developing an increasing awareness and understanding of my own beliefs and I put them into action in positive ways. RME 3-08a I can explain how the different beliefs that people have, including beliefs which are independent of religion, relate to their moral viewpoints and how this leads them to respond to moral issues. RME 3-09c	



Click links for E's and O's specifically related to climate change and biodiversity

Lessons – Overview



CfE Level Theme	Early	<u>Level</u>	<u>F</u>	irst Leve	<u>el</u>	<u>Se</u>	cond Le	vel	Third Level
Climate Change	Winston of Churchill: One Bear's Battle Against Global Warming By Jean Davies Okimoto Interactive Shared Reading		The Trouble with Dragons by Debi Gliori Inferring from texts		<u>Mu</u> Coope	Carbon Footprint – Multimodal Text Cooperative Learning – Diamond 9		TEDEd Talk: Joss Fong Earth's giant game of Tetris Note taking	
Climate Action	Spread the Word Collaborative response		Reducing carbon footprint through small daily changes Persuasive text		Carbon Footprint – The Campbell Family Cooperative learning – Jigsaw		nily	Action plan for the future Cooperative learning – Search-Pair-Share	
Lost Words (Biodiversity)		Primary 1 lvy	Primary 2 Dandelion	Primary 3 Bramble	Primary 4 Magpie	Primary 5 Acorn	Primary 6 Kingfisher	Primary 7 Otter	

Click links for lesson plans



Suggested Lesson Plans



Early

Climate Change

Climate Action

Visible Thinking Routines

Additional Resources
Section

Let's have a closer look...





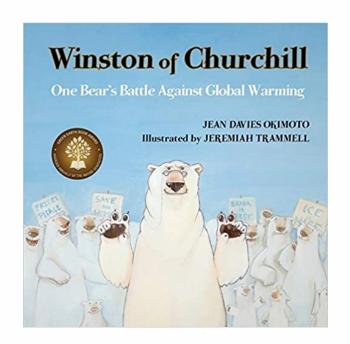








Winston of Churchill: One Bears Fight Against Global Warming By Jean Davies Okimoto Illustrated by Jeremiah Trammell

















Learning for Sustainability: COP 26 Early Level (Climate Change)

Key Vocabulary: Global Warming, habitat, tundra, reduce, reuse, recycle, consequence, action, energy, challenge

Info for teacher/practitioner - Polar bears rely on sea ice to cover large areas in search of food. A longer melting season due to climate change means that sea ice is forming later and breaking up earlier in the year – www.wwf.org.uk (search polar bears)

Please see additional slide regarding learning environments and examples.

Winston of Churchill, One Bear's Battle Against Global Warming, this book should be explored and revisited across a week or longer dependent on the children's needs and interests.

Introduction: (Connect the learning)

- Before reading use the front cover/ blurb to invite predictions about the story.
- Through conversation determine prior knowledge of polar bears, habitats, the Arctic etc. use the effective
 questions to stimulate discussion and record responses on a <u>concept map</u> this will provide a baseline of
 knowledge.

Development: (Learners are actively involved in their learning and demonstrate learning)

- Read the story-using an <u>interactive shared reading approach</u> (each read will develop children's understanding and ability to retell the story, consider use of props to support children's opportunities to act out and retell the story).
- Explore <u>new vocabulary</u> by making words sparkle using the <u>Shooting for the SSTARS</u> approach.
- Ask and answer questions about events/ideas with a global warming focus HOTS questions.

Opportunities for further development:-

- Block play storytelling acting out the story
- · Role play story or use small world to re enact
- Sequencing scenes, story maps, simple time-line, matching pictures/props to characters, guided writing storyboard or story map (Hear, Say, Play, Write approach)

Plenary: (Review and recall)

- Recap story using questions focused on the 5 finger retell to determine knowledge and comprehension.
- Where did the story take place? What happened in the beginning/middle/end of the story? What problem did Winston and the polar bears have? What could you do to help Winston and the polar bears?

Additional Resources/Digital Links	Explore links with other curricular areas	
National Geographic Kids - Issue 173 <u>A range of books - fiction and non-fiction</u> YouTube - explore range of videos by searching polar bears	Numeracy Comparing icebergs MNU 0-11a	Social Studies, Science, RME etc. SCN 0-05a

Learning Intentions:

To recount events in a story.

To talk about unfamiliar words in a text and answer questions to show understanding.

Success Criteria:

- Retell a familiar story about global warming in a variety of different ways (through indoor and outdoor environments).
- Contribute to discussions about global warming.
- Use new words in my play to show my understanding of global warming.

Effective Questions:

- Do you know anything about this story?
- Tell me about the front cover. What do you see?(discuss words on placards)
- What is Global Warming?
- I wonder.....why is the bear called Winston of Churchill?
- (back cover blurbs)I wonder.....why will Winston have to fight for ice?

Sustainable Development Goals:

- 13 Climate Action
- 12 Responsible consumption and production
- 15 Life on Land

Literacy E's and O's:

- I listen or watch for useful or interesting information and I use this to make choices or learn new things. LIT 0-04a
- To help me understand stories and other texts, I ask questions and link what I am learning with what I already know. UT 0-07a / UT 0-16a / ENG 0-17a
- I enjoy exploring events and characters in stories and other texts, sharing my thoughts in different ways. LIT 0-19a

First Read

To introduce the book and enable children to hear the whole story. Conversations should not affect the story's 'flow' (most discussion takes place before and after reading).

Interactive Shared Reading

Subsequent Reads

To develop comprehension and extend thinking/talking skills by holding longer conversations with the children.

Final Read

To help children retell or read the story using illustrations and/or props as an aid.











Sparkle Words

- Plan ahead to select best focus vocabulary
 - Consider how you will explain the words
- Select no more than five focus words
- Ensure that there is a variety of words, e.g., nouns, verbs, adjectives, adverbs,
- Consider the three step approach

Step 1

- Everyday words e.g.
- Consider new to English learners

Step 2

- More sophisticated words e.g. march, courage, habitat, melt
- More precise words e.g.
 Words that introduce a new concept e.g. tundra, protest, habitat

Step 3

• Specialised words e.g. global warming atmosphere, pollution, gasses, action











Shooting for the **SSTaRS**

- Stress the new word to focus children's attention
- Show the children what the word means
- Tell the children what the word means
- and
- Relate the word to child's own experiences and other situations
- Say it again....

Protest

- Show image in the book of polar bears with their placards.
- <u>Tell</u> "You make it known that you don't like something – the bears didn't like all the tourist visiting"
- Relate "You said you didn't like banana at snack time and you didn't eat any. You protested against eating banana."
- <u>Say</u> seek opportunities to repeat the word in context through play "Are you protesting against playing that game?"











Learning for Sustainability: COP 26 Early Level (Climate Action)

Key Vocabulary: action, protest, inspired, exhausted, courage

Introduction: (Connect the learning)

- · Use the effective questions to recall with the children the story of Winston of Churchill.
- Revisit the concept map and add on anything the children have learned or discovered about polar bears, their habitats or the Arctic.

Development: (Learners are actively involved in their learning and demonstrate learning)

- Once children are familiar with the story. Introduce, open and read with the children the <u>letter</u> from <u>Winston</u> (example attached which can be adapted for age and stage).
- · Lead a discussion regarding the contents of the letter. What does Winston want us to do?
- With the children make a list of all the actions you could take in nursery/school and at home that
 could help Winston and reduce the effects of climate change. Suggestions for positive climate action
 can be found in the book, other suggestions can be found here.
- Encourage children to respond to Winston's plea for help. This could be in the form of a video message, voice note, dramatisation, drawing or written response.
- · Capture children's responses to Winston and 'send' it back to him.

Plenary: (Review and recall)

- Reread Winston of Churchill and talk about all the ways you are now going to take action against climate change.
- Children could use the '<u>Doodle It</u>' thinking routine to share how they will personally take action.

Opportunities for further development

- Create a system where staff and children can recognise and celebrate each other taking action for example, stickers or ticks on a chart or whiteboard (i.e. switching the lights off when room not in use).
- Create placards and have a protest.

Additional Resources/Digital Links	Explore links with other curricular areas		
Chatterpix – photograph Winston or polar bear teddy.	Numeracy Record the actions people are doing to help Winston MNU 0-20c	Social Studies, Science, RME etc. SOC 0-08a	

Learning Intentions:

To give a response (verbal/written) inspired by what I have listened to/read. Success Criteria:

 Plan what I want to 'write' about or respond by talking about my ideas, acting it out and/or drawing.

Effective Questions:

- Can you remember what happened in the story?
- What was the problem Winston and the polar bears had?
- What does Winston want us to do?
 I wonder what will happen if we do
- this?

 I wonder what will happen if we
- What should we tell Winston?

Sustainable Development Goals:

- 12: Responsible Consumption and Production
- 13: Climate Action

don't?

Literacy E's and O's:

- Within real and imaginary situations, I share experiences and feelings, ideas and information in a way that communicates my message. LIT 0-
- 26a
 As I play and learn, I enjoy exploring interesting materials for writing and
 - different ways of recording my experiences and feelings, ideas and information. LIT 0-21b

ChatterPix



FREE app – You can make anything talk e.g., pets, friends, doodles, and more!

- Take a photo or upload an image
- Draw a line to make a mouth
- Record your voice....that's it!!













Supporting Resources

Learning Environment Examples





Sparkle Words

understands these words

understanding of new vocabulary.

children's attention





Use blocks and material to create an iceberg for the polar bear - BIG iceberg



Take some of the blocks away to make the iceberg smaller - MEDIUM iceberg



Use only a few small blocks to create a very SMALL iceberg for the polar bear

Sparkle Words

Supporting and building vocabulary are key to developing children's language and communication skills. Sparkle words is an approach for making the exploration of vocabulary a natural part of book sharing sessions and everyday conversation.

When planning a book sharing session (see interactive shared reading

- Review the book and select the best sparkle words (focus vocabulary) you wish to draw children's attention to. These may be words of interest or important words children need to know in order to understand the text.
- Select no more than five focus words per book.
- Ensure that there are a variety of words: nouns, adjectives, verbs



Winston of Churchill

Ice of Hudson Bay Churchill

Manitoha

Canada

are new

s in a

Read the book again and again allowing for more conversation relating to the new word and use the 'sparkle word' throughout the setting in different contexts. Hearing the word repeated is essential for children to be able to adopt and use this vocabulary in their own interactions

familiar situations and talk about other words with a similar

the word to children's own knowledge, experiences or

Example: Sparkle word - feast

Shooting for the SSTARS Vocabulary development is essential in the early years, but it is not just

the number of words a child knows that is important but how well a child

a new word before, during and after reading to focus

children what the word means by pointing to an illustration,

using your facial expressions, acting it out or altering how you say

children what the word means by giving a simple definition, using

Shooting for the SSTARS is a strategy you can use to support children's

category the word belongs to, if appropriate

meaning or an opposite meaning

Pictures of a feast e.g., buffet at a birthday/wedding/celebration A special meal with delicious food or a large meal for lots people recall a time when there has been a 'feast' in nursery, e.g., Christmas lunch. Share a time when you have had a 'feast' at a celebration. Ask children, "have you ever had a feast?"

Seek opportunities to use the word through play e.g., house corner, "shall we make a feast for the family" or whilst exploring other stories e.g., "The Very Hungry Caterpillar had a feats on



Use small world for imaginative play - animals and people



filled with fur material, v and blue material, furry placards etc.

I am writing to you today to help me solve a very big problem that we the polar bears have. We live on the ice of the Hudson Bay and go hunting on the ice for food. But the ice is melting because of global warming and if this keeps happening then we will have nowhere to live or find food. I have sent you a photograph of one of my friends sitting on the melting ice – he was very annoyed that this was happening and had to swim a great distance to get back to his family. He was exhausted when he

I am asking you for help to save the ice so we polar bears can keep on living on it. It takes courage to make the changes needed to do this but I am sure if we all work together we can make changes to help stop the ice melting.

Can you think of some ways you can make a change to help save the ice from melting. We need your help to spread the word.

I must get back to the protest march I have organised with the other polar bears as there is a group of tourists visiting the tundra later today.

I know I can count on your support and thank you for your help. Remember never give up! We can all do something no matter how small.

Yours sincerely

Winston

Winston of Churchill Polar Bear Leader



























A polar bear on the world in a greenhouse. What will happen to the ice?















Small world free play

















Transient art















Recording how many bears fit as the ice melts















Block play bears

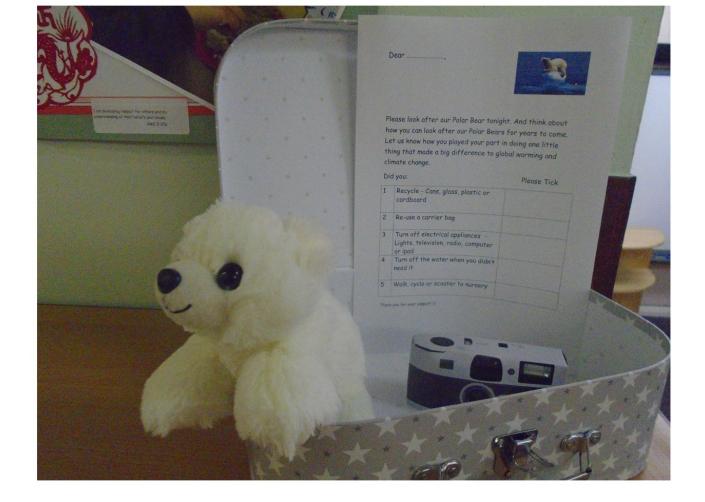












Home learning











Thank you for tuning in...









gw17finlayemma@glow.ea.glasgow.sch.uk















