

Learning Lab

from Glasgow Science Centre



Learning Lab

Outstanding learning experiences to inspire the next generation of scientists and engineers.



What's included?

Aligned with CfE experiences and outcomes, Learning Lab supports teachers to deliver **amazing science in the classroom.**

With a suggested teaching time of **2 hours per week over several weeks**, each programme comprises:

- lesson plans and worksheets
- original video content
- live sessions with scientists
- twilight professional learning
- family learning activities
- a visit to Glasgow Science Centre or from GSC on Tour



... construction of a ... and Prestwick. ... ble about each

Prestwick

GSC Learning Lab

Lesson Outline

Build a Wind Turbine

Energy Sources Matching

... kitchen roll tube - 1 per ...
 ... tubes printed on card - 1 ...
 ... Blue / Re-usable tack ...
 ... 800 stapler - 1 per ...
 ... colouring pencils/pens ...
 ... dryer

... it and what this means for our ...
 ... than introduced. Climate ...
 ... by introduced. Climate ...
 ... on screen:

... the instruction sheet is for your ...
 ... and from home.

... first ...
 ... the turbine blades affects how ...
 ... have observed.

... to used to make electricity using ...
 ... by sources generate electricity

... on the worksheet. Ask pupils ...
 ... using cards and lay them face ...
 ... position and a photo of the ...
 ... tions on the worksheet and

Effects of Climate Change

Sea (4)	Increasing Rainfall (1 - 4)	Increasing Storm Strength (1 - 4)
4	4	3
4	4	4
2	4	1
$1 + 4 + 2 = 7$	$4 + 4 + 4 = 12$	$3 + 4 + 1 = 8$
$7 + 4 = 175$	$12 + 4 = 3.00$	$8 + 4 = 2.00$

... increasing rainfall has a very high impact on Castle A ...
 ... exposed to weather so it gets a score of 4.

... ing for each of the Effects of Climate Change can ...
 ... d by adding up the score for each castle feature and

Our Amazing Air

Exploring the air around us, how it supports life, and the ways we can improve it

Supporting learners to investigate what **air** is and why it is so important, what **air pollution** is and how we monitor it, and how **air quality** can be improved.

Make your own air pollution catcher, grow plants in a terrarium and meet an air quality scientist!

Curriculum links:

Through carrying out practical activities and investigations, I can show how plants have benefited society. **SCN 2-02b**

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**

The content also supports various experiences and outcomes across **Literacy**, **Numeracy** and **Social Studies**.

P5-P7



Fantastic
STEM
resources and
science
centre visit!

Learning Lab Our Amazing Air Term 3 2023-24



Learning Lab®

Programme Title	CfE Level	CfE Areas	Suggested Duration	Online CLPL Date
Our Amazing Air	Second	Biological Systems, Planet Earth, Topical Science, People, place and environment	6 weeks	24/04/24

Thanks to support from SEPA, teachers across Scotland have access to this programme for **free**, including a visit to Glasgow Science Centre (*On Tour visits not available with this programme*).

Please visit <https://www.glasgowsciencecentre.org/take-part-in-learning-lab> for more information or email learninglab@gsc.org.uk to enquire or book



Learning Lab

For more information and to book visit our website.

glasgowsciencecentre.org/gsc-learning-lab



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