

Upstream Battle: CLPL Programme 2022

Background

An estimated 12.7 million tonnes of plastic gets into the sea each year. That's a truck full of litter a minute. This litter is killing wildlife, threatening ecosystems and habitats and extremely difficult and expensive to clean up. With 80% of all marine litter coming from land, we must stop this cycle of litter and prevent it from entering the sea in the first place.

Focused on the River Clyde and its tributaries, Upstream Battle is raising awareness, gathering evidence and inspiring action to prevent marine litter at source. Communities, individuals, schools and the private and public sector will be connected in one common goal: to stop litter from getting into the Clyde.

Education is a key strand of Upstream Battle; by encouraging young people to *gather evidence* through investigations in their school and local area, *raise awareness* by providing teachers and educators with the resources and knowledge on source to sea litter topics and inspiring everyone to *take action* and spread the message to help tackle the issue to clean up our waterways.

Aim of the CLPL programme

Available for teachers across The West Partnership, the aim of the CLPL programme is to develop confidence in delivering on each pupil's entitlement to Learning for Sustainability and build STEM skills through the context of source to sea litter.

Approach used

The programme will be delivered through a series of online twilights and self-study activities, reflecting on topics covered in the twilights. Sessions will include presentations from guests and partners within the wider Upstream Battle campaign, including Education Scotland, Scottish Water, Marine Conservation Society and community anchor groups. There will be two in-person events bookending the programme, where participants can network with other STEM leaders and invited to share best practice examples from their establishments.

Programme Outcomes

- Develop personal knowledge of environmental topics including freshwater and marine conservation, climate change, circular economy and sustainability
- Build your confidence and develop STEM skills in the context of source to sea litter.
- Support HGIOS best practice by taking a whole school approach to Learning for Sustainability.
- Collaborate across schools, communities and partners in the STEM family to learn and share best practice.
- Create applied local learning opportunities in a range of STEM activities, raising attainment and achievement
- Receive direct support to gain or renew an Eco-Schools Green Flag Award.

When will the programme take place?

Twilight sessions will run from w/b 19th September 2022 – w/b 21st November 2022 via Microsoft Teams platform. The celebration event will take place w/b 21st January 2023.

Sessions will take place on **Tuesdays** in the first instance, with an additional Thursday session subject to participant numbers. See session overview on page 3 & 4 for full details.

Proposed programme of learning

Each participant will receive 12 hours of engagement and learning, achieved by four twilight sessions and two in-person events, and 8 to 10 hours of self-led study, through four reflective tasks.

Twilight sessions are scheduled for 2 hours, but includes time allocated to welcomes and Q&A, therefore session length is flexible and may vary between sessions.

Registered participants will be expected to commit to the full programme of learning.

Who is eligible to take part?

Early years practitioners and teachers from Primary and Secondary Schools within The West Partnership (East Dunbartonshire, East Renfrewshire, Glasgow City, Inverclyde, North Lanarkshire, Renfrewshire, South Lanarkshire and West Dunbartonshire).

How much will it cost?

Free for participating Early Years establishments and schools within The West Partnership.

Criteria

Applicants should be:

- Registered Early Years Practitioners/GTCS teachers working within The West Partnership.
- Able to attend both face to face and online training sessions.
- Supported by their headteachers and wider school community.
- Committed to sharing learning with colleagues in their establishment and across their learning cluster.

How can I get involved?

Complete the [online registration form](#) by **Monday 12 September 2022** to apply to take part.

For any enquiries, contact us at upstreambattle@keepscotlandbeautiful.org

Date	Session + format	Topic(s)
Tues 20/09/22 & <i>Tues 27/09/22</i> <i>(subject to numbers)</i>	Introduction/ Welcome event 16:00 – 18:00, in-person, Glasgow Learning Hub within Royston Primary School, G21 2NU	Setting the Source to Sea and STEM scene <ul style="list-style-type: none"> • Introduction to Upstream Battle campaign • Source to sea litter on the Clyde • Citizen science local actions (anchor groups) • Regional and national context for LfS and STEM
	Reflection Activity 1 (30 minutes) As part of Introduction event	GTCS self-evaluation wheel <ul style="list-style-type: none"> • To explore current confidence in topics of source to sea litter, STEM and LfS links • Utilising any Eco-Schools experience
Tues 04/10/22 & <i>Thurs 06/10/22</i> <i>(as above)</i>	Twilight 1 16:00 – 18:00, online, Teams	Issues and Impacts <ul style="list-style-type: none"> • Source to sea litter • Marine and freshwater conservation • Marine plastics and pollution • Citizen science actions
	Reflection Activity 2 (1 hour)	Source to Sea litter makes the headlines <ul style="list-style-type: none"> • Research a recent news article, video or report on a topic covered in Twilight 1 • Create a 3 minute 'nano' presentation on your news story to be shared in Twilight 2
Tues 25/10/22 & <i>Thurs 27/10/22</i> <i>(as above)</i>	Twilight 2 16:00 – 18:00, online, Teams	Upstream Battle: The global picture <ul style="list-style-type: none"> • Circular economy • Sustainable consumption • Climate change • Sustainable Development Goals
	Reflection Activity 3 (2 hours)	Citizen Science in action <ul style="list-style-type: none"> • In the assigned trios, complete a litter survey on a watercourse in the school grounds or local area • Evaluate the results using Eco-Schools resources provided

Tues 08/11/22 & <i>Thurs 10/11/22 (as above)</i>	Twilight 3 16:00 – 18:00, online, Teams	Emerging Technology and Sustainable Engineering <ul style="list-style-type: none"> • Source to sea litter and industry • Engineering solutions • Innovative technologies • Sustainable design
	Reflection Activity 4 (3 hours)	STEM the Flow of Source to Sea litter <ul style="list-style-type: none"> • Plan and implement the STEM the Flow challenge within your establishment • Cascade project to clusters and networks
Tues 22/11/22 & <i>Thurs 24/11/22 (as above)</i>	Twilight 4 16:00 – 18:00, online, Teams	A Plastic-Free Future? <ul style="list-style-type: none"> • Changes and impacts – case studies from previous participants • Source to sea and Eco-Schools • Young Reporters for the Environment • STEM applications
	Reflection Activity 5 (2 hours)	Reflect on your Upstream Battle journey <ul style="list-style-type: none"> • With pupils, produce a digital poster of actions to be shared at the celebration event. • Revisit GTCS self-evaluation wheel • Where possible, integrate into Green Flag application/ evidence
January 2023	Evaluation/ Celebration event w/b 23/01/23 16:00 – 18:30, in- person, venue tbc	<ul style="list-style-type: none"> • Networking, sharing and showcasing school projects • Present ideas and actions from your establishment
February 2023	STEM the Flow exhibition w/b 20/02/23 Riverside Museum, Glasgow, G3 8RS	<ul style="list-style-type: none"> • Celebration event for all participants, including presentations and awards