

Schools Climate Conference

1-3 March 2022

Conference Guide and Access to Sessions

including

Timetable, Teacher Notes and Resources

LINKS TO CONFERENCE SESSIONS WILL BE ADDED TO THIS TIMETABLE JUST PRIOR TO THE CONFERENCE

These links will take you to the webpage where that session will be streamed at its scheduled time.

Click the link on the TIMETABLE to take you to the conference session.

Click on the link in the RESOURCES to take you directly to that resource.

Sessions in red are LIVE sessions where you will be able to interact with the host.

See pages 12-16 for Conference sessions by Curriculum Area

DAY 1

| Tuesday 1 st March 2022 | | |
|------------------------------------|---|--|
| Time | Primary | Secondary |
| 8:30 | Our Time (2022) | |
| 8:40 | Introduction from Bishop Sophie, followed by Conference Theme Song 'Grey to Green' | |
| 9:00 – 9:30 | Welcome Project Drawdown | |
| 9:30 – 10:30 | Taking Climate Action by working with MPs Hope for the Future | Fair Food for All Food Works |
| 10:30 – 11:00 | Eco-Schools (KS1) | Biofuelwatch |
| 11:00 – 12:00 | Write a song for Walk to School Week Project Earth Rock | Why the Climate Crisis is a Health Crisis University of Sheffield |
| 12:00 – 12:30 | Lunch Break: Worried Mum song | |
| 12:30 – 1:30 | Be an Energy Spy Energy Sparks | Taking Climate Action by working with MPs Hope for the Future |
| 1:30 – 2:00 | Burngreave Clean Air (activity, not a video) | Hope for the Future |
| 2:00 – 2:30 | From Pollution to Practical Action (Y1&2) School Energy Efficiency | Build a Battery FutureCat, University of Sheffield |
| 2:30 – 3:00 | | Build a Battery FutureCat, University of Sheffield |
| End of school day | | |
| 3:30 – 4:30 | Teacher CPD: Tackling Energy Efficiency in Your School: An eco win Energy Sparks | |
| 7:00 – 7:30 | Our Shared World - Deep Dive into the DfE's draft Sustainability and Climate Change Strategy | |

Key:

| | |
|--|--|
| | Primary Session |
| | Secondary Session |
| | Combined Primary and Secondary Session |
| | Teacher Session |

See pages 3 and 4 for resources for these sessions

Sessions in red are LIVE.

All LIVE sessions, with the exception of the MP session and the Panel session have pre-recorded backup.

PRIMARY RESOURCES AND TEACHER NOTES

DAY 1: Tuesday 1st March

08: 30 Our Time

6 minute video summarising the local causes and effects of, and solutions to climate change

08:40 Introduction from the Bishop of Doncaster followed by Conference Theme Song: 'Grey to Green' - Jess Gold

- ['Grey to Green'](#) Lyrics

09:00 Project Drawdown- Keynote address

09:30 Hope for the Future: Primary session

- [MP Quiz](#) – print out one per student
- Computer / tablet / mobile devices to submit questions to the online form (students can do this in groups, as individuals, or the class can submit questions as a unit).
- The link to the primary form is [here](#). (If you have any technical issues with the form, questions can be emailed directly to rosie.wright@hftf.org.uk)

10:30 Eco-Schools

Environmental Review – print one per table:

- [Environmental Review pdf](#)

11:00 Write a Song – Project Earth Rock - LIVE

- Students can interact with Jess by asking questions on Padlet on the session page.
- [Teacher's discussion guide](#)
- [10 point guide to writing a song about climate change](#)
- Pens, paper notebooks
- A simple voice recorder (e.g. a phone)

If possible, pupils need to watch these in advance and learn them:

- [Project Earth Rock Fossil Fools Karaoke Video](#)
- [Project Earth Rock Transportation Song Teaching Video](#)

12:00 Worried Mum Song (3 mins)

A three minute song about climate change by mums and secondary and primary school pupils from Sheffield. A good discussion starter, e.g: What makes this effective? What would you change?

12:30 Be an Energy Spy – Energy Sparks

- Students will be challenged to do follow-up tasks.

13:30 Burngreave Clean Air – ACTIVITY, NOT VIDEO – 30min – 2 hours (up to you)

- A3 paper, pencils, coloured pens or paint.
- [Burngreave CA Teacher Notes](#)

14:00 From Pollution to Practical Action – School Energy Efficiency

- Preparatory work: Identify all the things in the room you're in that use energy.

SECONDARY RESOURCES AND TEACHER NOTES

DAY 1: Tuesday 1st March

08:30 Our Time

6 minute video summarising the local causes and effects of, and solutions to climate change

08:40 Introduction from the Bishop of Doncaster followed by Conference Theme Song: 'Grey to Green' - Jess Gold

- ['Grey to Green'](#) Lyrics

09:00 Project Drawdown – Keynote address

09:30 Fair Food for All – Food Works

A thirty minute video containing 3 sections where pupils can discuss or reflect on questions.

- pen and paper

10:30 Biofuelwatch

- Pens and paper
- Preparatory work: look at the Biofuelwatch website: www.biofuelwatch.org

11:00 Why the Climate Crisis is a Health Crisis – University of Sheffield

If possible students should watch the video below in their own time or after the session video:

<https://www.youtube.com/watch?v=8rnqfvFjKRO>

After the session: students could have a discussion regarding their health concerns related to climate change.

12:00 Worried Mum Song

A three minute song about climate change by mums and secondary and primary school pupils from Sheffield. A good discussion starter, e.g: What makes this effective? What would you change?

12:30 Taking Climate Action by Working with MPs – Hope for the Future (90 minutes)

- Computer / tablet / mobile devices to submit questions to the online form (students can do this in groups, as individuals, or the class can submit questions as a unit)
- The link to secondary form to submit questions to Louise Haigh is [here](#). (If you have any technical issues with the form, questions can be emailed directly to: rosie.wright@hftf.org.uk)
- [Louise Haigh Common Ground Worksheet](#)

14:00 Build a Battery – FutureCat, University of Sheffield - LIVE

For resources see: <https://futurecat.ac.uk/resources-for-schools-and-home-learningsecondary/>

You will need:

- the Build a Battery Teacher Guidance Document
- the Card Game printing files

In the whole class version of the game pupils work in teams: for a class of 30+ print out 2x each printing file (apart from the job cards which you don't have to print for the classroom version). The groups can be 5-6 people in each. In the small group version individuals compete against each other and the job cards are needed.

- Students will be able to interact with session leaders via Padlet on the session page.

DAY 2

| Wednesday 2 nd March 2022 | | |
|--------------------------------------|--|--|
| Time | Primary | Secondary |
| 8:30 – 9:00 | ‘Grey to Green’ - Jess Gold | Schools’ Videos: Brighton students question their MPs |
| 9:00 – 9:30 | Create a wildlife friendly mini garden Kids Plant Trees | Climate Change and Health (Part 1) Greener Practice |
| 9:30 – 10:30 | Bosh! | |
| 10:30 – 11:00 | ‘Grey to Green’ - Jess Gold | Climate Change and Health (Part 2) Greener Practice |
| 11:00 – 12:00 | The Weather and Climate Change Amazelab | Plugging into the Sun Solar Active |
| 12:00 – 12:30 | Lunch Break: Be a Leader in Industry (Y10-Y13) - Zak Barker | |
| 12:30 – 1:00 | Planet Super League Competition | |
| 1:00 – 1:30 | WaterAid meets Jessie the Jellyfish (art session for 6-9 year olds) WaterAid | Scottish seabirds in a changing marine environment |
| 1:30 – 2:00 | | Scottish Seabird Centre |
| 2:00 – 2:30 | | Be the Change! |
| 2:30 – 3:00 | | ThoughtBox |
| End of school day | | |
| 3:30 – 4:30 | Teacher CPD: Teaching a Climate Curriculum DECSY and Leeds DEC | |

Key:

| | |
|--|--|
| | Primary Session |
| | Secondary Session |
| | Combined Primary and Secondary Session |
| | Teacher Session |

See pages 6 and 7 for resources for these sessions

Sessions in red are LIVE.

All LIVE sessions, with the exception of the MP session and the Panel session have pre-recorded backup.

PRIMARY RESOURCES AND TEACHER NOTES

DAY 2: Wednesday 2nd March

08:30 Conference Theme Song: 'Grey to Green' - Jess Gold

- ['Grey to Green'](#) Lyrics

09:00 Create a Wildlife Friendly Mini-Garden (Suitable for age 4 upwards)

- Wildlife Mini Garden Guide
- A container to upcycle, e.g. an old boot, colander or bucket
- Seeds or young plants ('seedlings')
- Potting compost
- Trowel or any child-sized spade
- Pieces of broken pottery or stones* for drainage (*make sure stones are bigger than the holes in the container)
- Water
- Separate container to prepare compost

Optional extras:

- Gardening gloves
- Newspaper or other liner (if creating your mini garden indoors)
- Manual or electric drill (if the container does not already have holes in the bottom) - for adult use only!

09:30 **Bosh! LIVE**

A LIVE cooking session to make a delicious meat-free meal!

Students can ask Ian and Henry questions using Padlet on the session page.

10:30 Conference Theme Song: 'Grey to Green' - Jess Gold (repeat of 08:30)

- ['Grey to Green'](#) Lyrics

11:00 The Weather and Climate Change – Amzelab

See equipment list on fact sheets:

- [Make your own rain](#):..... jar, water, food colouring, pipette/straw, shaving foam
- [Make your own snow](#): bowl, baking soda, shaving foam, water
- [Tornado in a test tube](#): test tube plus lid, water, washing up liquid, blue food colouring, vinegar

12:30 Planet Super League (30 mins)

- [PSL Football Teams worksheet](#)

13:00 WaterAid meets Jessie the Jellyfish (2 hours) - Suitable for ages 6-9

- [Jellyfish and plastic bag template](#)
- A3 paper/card, blue, red and yellow paint, thick and thin paint brush, water and water pot, unrecyclable plastic, a drawing pencil, glue, scissors, post-it notes.

SECONDARY RESOURCES AND TEACHER NOTES SECONDARY

DAY 2: Wednesday 2nd March

08:30 Brighton students question their MPs (5 minute trailer video)

For full version see <https://www.youtube.com/watch?v=lwMu4NMxt14>

09:00 Climate Change and Health – Greener Practice

- Pen and paper

You may wish to watch the contraception / period products video before deciding whether it is appropriate for your students' age group.

If paused for discussion, the video will last over 30 minutes (and continued at 10:30 after the Bosh! session).

09:30 **Bosh! LIVE**

A LIVE cooking session to make a delicious meat-free meal!

Students can ask Ian and Henry questions using Padlet on the session page.

10:30 Climate Change and Health – part 2:

Students can continue watching the session streamed at 09:00.

11:00 **Plugging into the sun – Solar Active – LIVE (55 mins)**

N.B. Resources must be requested in time to be posted to you: "As a participant in SCESY /Zero Carbon Yorkshire [ZCY] STEM solar project you will be sent a solar car resource that includes an agreement form that we request you to sign and return. We have limited resources so to secure your place we request a £10 returnable deposit when you register. The deposit will be returned on your completion of the session.

You will build and race [indoor and outdoor] a solar car; make adjustments to improve performance. The solar cell will run outdoors in diffuse light conditions. An AA/1.5V battery unit provided to run car indoors.

Contact david@solar-active.com to receive our on-line registration form."

Students will be able to interact with David via Padlet on the session page

12:00 **Be a Leader in Industry – Zak Barker (Y10 – Y13)**

In this 30 minute video, Zak talks from his own experience about the benefits of apprenticeships, and about ways to tackle climate change, including new ways of making use of disused coal mines. There are points where you can pause the video to get students to discuss their answers to questions, so in total approx 45 minutes is needed.

12:30 **Planet Super League Competition! (30 mins)**

- [PSL Football Teams worksheet](#)

13:00 **Scottish Seabirds in a Changing Marine Environment:**

- Pen and paper.
- Students could familiarise themselves in advance with impacts of climate change on the sea and/or types of marine renewable energy

14:00 **Be the Change – ThoughtBox**

- Preparatory work: watch a short 15 minute video before the session introducing systems thinking: [A brief introduction to systems thinking](#)

DAY 3

| Thursday 3 rd March 2022 | | |
|-------------------------------------|---|--|
| Time | Primary | Secondary |
| 8:30 – 9:00 | Schools' videos: Woodland Trust video (3 min) | 'Grey to Green' - Jess Gold |
| 9:00 – 10:00 | Surfers Against Sewage (KS2 & KS3) | Urban Forests Karachi |
| 10:00 – 11:00 | Conversation with Louise Haigh MP Hope for the Future | |
| 11:00 – 12:00 | Save the Whale, Save the World (KS1) Whale and Dolphin Conservation (45 min) | Eco-Schools (KS2 upwards) |
| 12:00 – 12:30 | Lunch Break: The Gambia | |
| 12:30 – 1:00 | Sustainable Construction Robertson Construction | Bulldozing our Land Owlthorpe Action Group |
| 1:00 – 2:00 | Planting Trees in Schools Catherine Nuttgens, Sheffield City Council | |
| 2:00 – 3:00 | Save the Whale, Save the World (KS2) Whale and Dolphin Conservation | Sustainable Construction Robertson Construction |
| End of school day | | |
| 3:30 – 4:30 | Panel - Authors and Educators on a Mission (age 9 - adult) | |

Key:

| | |
|--|--|
| | Primary Session |
| | Secondary Session |
| | Combined Primary and Secondary Session |
| | Teacher Session |

See pages 9 and 10 for resources for these sessions

Sessions in red are LIVE.

All LIVE sessions, with the exception of the MP session and the Panel session have pre-recorded backup.

PRIMARY RESOURCES AND TEACHER NOTES

DAY 3: Thursday 3rd March

08:30 Woodland Trust (3 minute video)

09:00 Surfers Against Sewage

Pupils devise their own Pupil Power Problem Plastics Plan to reduce plastic waste.

- [Activity Worksheet](#)

10:00 Conversation with Louise Haigh MP - LIVE

Students should already (on Tuesday) have prepared and submitted questions for this session. Be ready to interact with Louise Haigh directly in the session via Padlet on the session page.

11:00 KS1 - Save the Whale, Save the World (KS1) (45 minutes)

- Colouring materials
- [Colouring sheet: Reception – Y2 pdf](#)

11:00 KS2 - Eco-Schools: See Secondary link due to parallel session running for KS1

- Pens and paper

12:00 The Gambia (30 mins)

- Pens and paper.

This session will introduce the driving causes of climate change in the Global South with special focus on agricultural practices, livelihood dependency on the natural environment, the role of major companies in the timber trade, and the effects and impact on local communities. It also covers the role of civil society in creating sustainable agriculture.

Upon completion, participants will be encouraged to ask questions and comment on the topic of discussion.

12:30 Sustainable Construction – Robertson Construction

- [Robertson Climate Change Champions Teachers' Notes](#)
- [Primary Session – Climate Change PowerPoint](#)

13:00 Planting Trees in Schools, Catherine Nuttgens, Sheffield City Council - LIVE

Catherine will talk about the benefits of trees in school, how to plan and deliver a tree project, how trees work, how to look after your trees, and common problems and how to avoid them. Students and teachers can ask Catherine questions via Padlet on the session page.

14:00 Save the Whale, Save the World (KS2) 1 hour

- [Y3-Y6 pdf](#) - printed sections of the pdf as required
- pencil and paper
- dice

15:30 Panel – Authors and Educators on a Mission - LIVE

- A LIVE participative 'coffee shop chat'. Bring your questions!
- Students and teachers can interact with the panel via Padlet on the session page.

SECONDARY RESOURCES AND TEACHER NOTES

DAY 3: Thursday 3rd March

08:30 Conference Theme Song: 'Grey to Green' - Jess Gold

- ['Grey to Green' Lyrics](#)

09:00 Urban Forests, Karachi

- Pen and paper

Watch the 5 minute BBC video about this (from the series 'Life at 50°C') here:

<https://www.bbc.co.uk/news/av/world-asia-58557995>

09:00 Surfers Against Sewage (See Primary timetable, but also suitable for KS3)

Pupils devise their own Pupil Power Problem Plastics Plan to reduce plastic waste.

- [Activity Worksheet](#)

10:00 Conversation with Louise Haigh MP - LIVE

Students should already (on Tuesday) have prepared and submitted questions for this session.

Be ready to interact with Louise Haigh directly in the session via Padlet on the session page.

11:00 Eco-Schools

- Pen and paper

12:00 The Gambia (30 min)

The session will introduce participants to the driving causes of climate change in the Global South, with special focus on agricultural practices, livelihood dependency on the natural environment, and the role of major companies in the timber trade. It will further explore the effects and impact on local communities and the role of civil society in promoting community peace building and in the Climate Resilience Sustainable Agriculture (CRSA) approach. Upon completion, participants will be encouraged to ask questions and comment on the topic of discussion.

12:30 Bulldozing Our Land – Owlthorpe Action Group

An in depth look at the impact on the natural world when we build on Greenfield sites.

- [Glossary for Owlthorpe Action Group Video](#)

13:00 Planting Trees in Schools, Catherine Nuttgens, Sheffield City Council - LIVE

Catherine will talk about the benefits of trees in school, how to plan and deliver a tree project, how trees work, how to look after your trees, and common problems and how to avoid them.

Students and teachers can ask Catherine questions via Padlet on the session page.

14:00 Sustainable Construction – Robertson Construction

- [Secondary Session – Assuring a Sustainable Future](#)

Activities will be provided in the PowerPoint.

15:30 Panel – Authors and Educators on a Mission - LIVE

- A LIVE participative 'coffee shop chat'. Bring your questions!

Students and teachers can interact with the panel via Padlet on the session page

TEACHER CPD

Tuesday, 1st March

3:30 Tackling Energy Efficiency in Your School - LIVE

7:00 Deep Dive into DfE's Draft Sustainability and Climate Change Strategy

Wednesday 2nd March

3:30 Teaching a Climate Curriculum – DECSY and Leeds DEC

Thursday 3rd March

3:30 (Age 9 – Adult) Authors and Educators on a Mission - LIVE

If you have any issues or questions about this document, please contact:

schools@scesy.org.uk

or

admin@scesy.org.uk

Schools' Climate Education



South Yorkshire

Conference Sessions by Key Stage and Curriculum Area (alphabetical order)

Sessions in red are LIVE sessions, enabling students to interact with the session leader.

All others are pre-recorded.

KS1

[KS1 sessions are just listed chronologically]

- Project Drawdown (Tuesday) – Conference Welcome Address for all
- Eco-Schools (Tuesday) - **Science**
- From Pollution to Practical Action (Tuesday) – **Geography, Science**
- Create a wildlife–friendly mini-garden (Wednesday) - **Nature**
- Amazelab (Wednesday) - **Science**
- WaterAid meets Jessie the Jellyfish (Y1,2) (Wednesday) - **Art, Literacy, Geography**
- Save the Whale, Save the World (11am Thursday) - **Animals, Living things and their habitats**
- Woodland Trust, Thursday (3 min video) - **Nature**

KS2

Art

- Burngreave Clean Air (Tuesday)
- WaterAid meets Jessie the Jellyfish (Ages 6-9, Wednesday) – see also Literacy, Geography

Design and Technology

- **Bosh! (Wednesday) – make a healthy meal**
- Robertson Construction (Thursday)

English/Literacy

- Hope for the Future (Tuesday and **Thursday**) - N.B. Tuesday is preparation for **Thursday with Louise Haigh MP**
- WaterAid meets Jessie the Jellyfish (Ages 6-9, Wednesday) – see also Art, Geography
- Surfers against sewage (Thursday) – see also Maths
- **Authors and Educators on a mission (Thursday, 3:30)**

Geography

- Amazelab (Wednesday) – see also Science
- WaterAid meets Jessie the Jellyfish (Ages 6-9, Wednesday) – see also Art, Literacy
- **Planting Trees in Schools (Thursday) – see also Biology**
- Woodland Trust, Thursday (3 min video)

Mathematics

- **Be an Energy Spy (Tuesday) – see also Science**
- Surfers against sewage (Thursday) – see also English

Music

- Grey to Green – Conference theme song (Tuesday, Wednesday)
- Worried Mum Song (Tuesday)
- **Project Earth Rock (Tuesday)**

PE

- Planet Super League (Wednesday)

Science

- Project Drawdown (Tuesday)
- Eco-Schools (Thursday) – see secondary section
- **Be an Energy Spy (Tuesday) – see also Maths**
- Create a wildlife-friendly mini garden (Wednesday)
- Amazelab (Wednesday) – see also Geography
- Save the Whale, Save the World (2pm Thursday)
- Planting Trees in Schools (Thursday) – see also Geography

KS3/4

Art

- See <https://www.scesy.org.uk/day2-alan-hesse/> for last year's comic-creation video by Alan Hesse.

Careers

- 'Be a Leader in Industry' (Wednesday)
- Robertson Construction (Thursday) – see also Design Technology

Citizenship/Politics

- Food Works – fair food for all (Tuesday)
- Schools' videos – Brighton (Thursday)
- Hope for the Future (Tuesday and Thursday) - N.B. Tuesday is preparation for Thursday with Louise Haigh MP

Design and Technology

- Bosh! (Wednesday) – create a healthy meal
- Robertson Construction (Thursday) – see also Careers

English

- Authors and Educators on a mission (Thursday, 3:30)

Ethics

- Bulldozing Our Land, (Thursday) (see also Geography)

Geography

- Biofuelwatch (Tuesday)
- Scottish Seabird Centre (Wednesday) –see also Biology
- Urban Forests, Karachi (Thursday)
- The Gambia (Thursday)
- Bulldozing Our Land (Thursday) - see also Ethics): Building on Greenfield vs Brownfield sites.
- What tree planting means to me (Thursday) (short schools video)
- Planting Trees in Schools (Thursday) – see also PSHE and Biology

Mathematics

- Surfers Against Sewage (Thursday) - see primary section – but also suitable for KS3

Music

- How can music be used effectively to raise awareness of climate issues? Discuss how effectively it is used in the Our Time video (Tuesday, 8:30) and the 'Worried Mum' song (Tuesday lunchtime)

PE

- Climate Change and Health (Wednesday) – see also PSHE
- Planet Super League (Wednesday)

PSHE

- Why the Climate Crisis is a Health Crisis (Tuesday)
- Climate Change and Health (Wednesday) – see also PE
- Be the Change, ThoughtBox (Wednesday)
- Planting Trees in Schools (Thursday) – see also Geography and Biology

Science

- Project Drawdown (Tuesday)
- Build a Battery – University of Sheffield (Tuesday) (Chemistry)
- Plugging into the Sun (Wednesday) – Physics
- Scottish Seabird Centre (Wednesday) – Biology – see also Geography
- Eco-schools (Thursday)
- Planting Trees in Schools (Thursday) – see also Geography and PSHE

KS5

Careers

- 'Be a Leader in Industry' (Wednesday)

English

- **Authors and Educators on a mission (Thursday, 3:30)**

Geography/Ethics

- The Gambia (Thursday)
- Bulldozing Our Land (Thursday)

Health – Mental and Physical

- Why the Climate Crisis is a Health crisis (Tuesday)
- Be the Change, ThoughtBox (Wednesday)

Politics

- Schools' videos – Brighton (Thursday) (5 minute video – school students engaging with local politicians)
- Hope for the Future (Tuesday and **Thursday**) - N.B. Tuesday is preparation for **Thursday with Louise Haigh MP**

Science:

- Project Drawdown (Tuesday)

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