

## Climate Change 101- teachers guide

### SLIDE 1

- Introduction
- This is the first lesson
- Explain what's going to happen (talk about climate change and the ACE Awards)
- Explain why they're learning about it (climate education is vital and the school is part of the ACE award run by the Regional Youth Climate Assembly & Calderdale Youth Council)
- Information about joining those groups is at the end

### SLIDE 2

- What is climate change?
- Make sure to emphasise that its the average change in weather conditions

### SLIDE 3

- Why is it a problem?
- Flooding and food shortages are linked as farmland/ crops are destroyed
- Try to link it to local events or possible relevant things that are happening in the news
- Places like South Africa get droughts so make sure to mention that climate change affects everyone differently but it will effect everyone

### SLIDE 4

- What causes it?
- Methane is produced by livestock (mainly cows) burping and farting
- Most emissions are done by world superpowers and wealthiest 1%
- Stress that human factors are the vast majority of emissions with natural factors making a tiny percentage

### SLIDE 5

- Climate terminology
- Net Zero= this is the target that countries are trying to reach, the UK's target for net zero is 2050

#### SLIDE 6

- Solutions
- Open it up to the class
- There are post it notes

#### SLIDE 7/8

- Solutions
- The differently solutions and problems are gone into more detail in later lessons
- Clean Energy= there is still ongoing debate on hydrogen & nuclear and where they fit into a green future
- Flood defences are adaptive measures against the effects of climate change not preventative ones

#### SLIDE 9

- What is ACE and what can you expect from these lessons?
- Calderdale Youth Council is part of youth voice at the council and he Yorkshire & Humber wide Youth Work Unit where we've worked with MPs, councillors and projects like this
- There are other climate based changes going to be happening in schools as part of ACE as well as different opportunity
- RYCA is part of the Youth Works Unit and to join you must first be part of the youth council. We've worked with the Yorkshire & Humber Climate Commission, Decarbonate, Leeds University and Young People in South Africa about international climate action.

#### SLIDE 10

- Contact details for RYCA & Youth Council
- Please stress we are also welcoming members and there are also many opportunities outside of climate change as well