



## SUSTAINABLE EARTH COMPETITION

### TERMS AND CONDITIONS

#### I. General information

It is easy to enter the Richer Education's Sustainable Earth competition.

Non-adherence to the Terms and Conditions will result in the immediate withdrawal of the entry without further notice.

Is free to enter and the competition is open to 7-17 years old children, except employees and their relatives, contractors or associated companies of Richer Education.

- We accept one entry per child only
- Refer to the table below to see the criteria per category
- Competition ends at 23:59 on **Friday 10 December 2021** (no entries will be accepted after the deadline)
- All winners will be chosen by a judging committee selected by Richer Education
- No cash alternative for any prizes will be offered
- The winner may be required to partake in media activity relating to the competition
- In line with our Privacy Policy, Richer Education will not share contact details with any third parties

#### II. How to Enter

- All entries must be completed by the participant
- Participants must answer **all** 'Entry Questions' (photos and/or posters will not be considered if sent without answers to the entry questions)
- Entries must be submitted via the application form on our website [www.richereducation.co.uk/competition](http://www.richereducation.co.uk/competition)
- All entries must be submitted in **one** single **PDF** document
- Entries to the competition can be submitted at any time from **Monday 8 November 2021 until 23:59 on Friday 10 December 2021 (GMT)**
- All entries will become the property of Richer Education. Entrants hereby abide to Richer Education's general Terms and Conditions
- Prize winners will adhere to these Terms and Conditions and the Richer Education's general Terms and Conditions that can be found [here](#)

### III. Categories and Prizes

- **Category 1** (7-9 years old) Face-to-face [Saturday](#) or [Sunday](#) classes (pack of four sessions only)
- **Category 2** (10-12 years old) Face-to-face [Saturday](#) or [Sunday](#) classes (pack of four sessions only)
- **Category 3** (13-15 years old) Face-to-face [Humanoid](#) Robotics Private Tuition (two sessions of one hour only)
- **Category 4** (16-17 years old) Face-to-face [Humanoid](#) Robotics Private Tuition (two sessions of one hour only)
- **Category 5** (For children aged 7-8): Face-to-face [Science](#) or [STEAM](#) Christmas camp
- **Category 6** (For children aged 9-14): Face-to-face [Advanced Science](#) Christmas camp OR [Debating & Public Speaking](#) Christmas camp

### IV. About the Prizes

- Each entry to the competition will be judged according to the age category
- Each age category will receive a prize
- Only one prize will be awarded per child, per week, per subject and per age category
- Only Prize winners will be contacted with regards to the outcome of their entries
- Winners will be notified, via email, by Richer Education at 12:00 (GMT) on Saturday 11 December 2021
- Prizes must be used during the allocated time as follows: Categories 1-4, to be booked and used during the spring term only (From 15 January until 26 March 2022). Categories 5-6, to be booked and used during the Christmas camps 2021 only. No rollovers are permitted
- If a Prize winner is unable to attend the session, Richer Education reserves the right to withdraw the prize

## V. Background

According to the United Nations (UN), in 2019 carbon dioxide (CO<sub>2</sub>) levels and other greenhouse gases rose to record levels. Accordingly, 2019 was the second warmest year on record. The link between rising CO<sub>2</sub> levels and climate change is well documented. For instance, sea levels are rising, weather patterns are changing, and extreme weather events are becoming more frequent. Images of floods, storms, droughts, and wildfires permeate media outlets. In all, climate change is affecting every continent on the planet and remains an existential threat to the environment.

More recently, in November 2021, the United Kingdom hosted the UN climate change conference in Glasgow for the purpose of bringing together leading experts, businesses and government officials from across the globe to consolidate their commitment to climate change and accelerate action towards the Paris Agreement.

## VI. The competition

Participants will take on the role of an environmental scientist tasked with reducing the levels of CO<sub>2</sub> in the atmosphere. As a scientist, children will need to utilise their research skills, innovation skills and be able to effectively communicate their ideas to the public.

Participants will need to think outside the box to think of a possible device that can reduce the levels of carbon dioxide in the atmosphere. Their creation can be either natural or man-made and must be able to sequester or capture excess CO<sub>2</sub> in a safe and sustainable way. The device could capture CO<sub>2</sub> and convert it into something else or remove excess levels from the atmosphere and store it safely.

We encourage participants to submit drawings and diagrams as well as text to explain their ideas. Please see further information in the next section.

## VII. Questions to answer

- What is the problem you are trying to solve? (For instance, describe the problem of high CO<sub>2</sub> levels in the atmosphere).
- What is your proposed solution to the problem? (For example, describe how you will reduce the high levels of CO<sub>2</sub> in the atmosphere. Will you focus on capturing and storing CO<sub>2</sub> or capturing and converting the CO<sub>2</sub>?)
- What materials will you use to solve the problem? (Think about whether you will use a natural or manmade material. Will you use a material already found in nature?)
- How will your solution work to solve the problem? (Think about how it will reduce the high levels of carbon dioxide in the atmosphere. Explain in as much detail as you can how your solution will work to solve the problem)

## VIII. Categories and criteria

With all criteria, we will be assessing creativity, originality and the ability to utilise ideas and knowledge from across Science, Technology, Engineering, Arts and Mathematics (STEAM) subjects.

Category	Criteria
7-9 years old	Submit a maximum of two drawings or diagrams to support your submission.
10-12 years old	Submit a maximum of three drawings or diagrams appropriately labelling features of the CO <sub>2</sub> device as well as a paragraph explaining your creation.
13-15 years old	Submit an entry with a minimum of 250 words and maximum 350 words. Explanations must be original and appropriately cited when referring to other authors' work or research. Participants must support their ideas by citing at least two different scientists, researchers or organisations.
16-17 years old	Submit an entry with a minimum of 350 words and maximum 450 words. Explanations must be original and appropriately cited when referring to other authors' work or research. Participants must support their ideas by citing at least five different scientists or researchers. One of the scientists must have conducted their research within the past five years.