Team Champions Pack

Welcome to the Longitude Explorer Prize

Longitude Explorer Prize is a UK-wide competition for 11-16 year olds, designed to encourage young people to use their imagination to come up with new and exciting ideas to find innovative ways of tackling pressing societal issues which will help shape our lives for the better.

Longitude Explorer is run by Nesta Challenges which exists to design and run challenge prizes that help solve pressing problems that lack solutions. Nesta is the UK's Innovation foundation whose mission is to help people and organisations bring great ideas to life.

Longitude Explorer is supported by the Department of Business, Energy and Industrial Strategy, and we are calling on 11-16 year olds across the UK to take part in our 2019 programme.

In this pack you'll find all the information you need to enter the Prize. If you have any further questions please check our FAQs on the website.

Apply now!
If you're interested in supporting the young innovators of tomorrow, follow this link to apply: https://longitudeexplorer.challenges.org/applying-support/

Aim

The Prize has been developed by Nesta Challenges to stimulate young people's entrepreneurial skills and show how they have the power to create impactful solutions by applying STEM (science, technology, engineering and maths) knowledge to address some of the world's biggest issues.

The challenge:

We would like to live in a world where people can live longer, live better, live together, and live greener.

Can you create or improve a product, app or service (solution) that uses AI technology to make the world a better place?

Based on the Government's Industrial Strategy Grand Challenges, we've developed 4 themes to help you develop your thinking. Through these themes, we're hoping to see a huge range of creative solutions come through.

Each theme has an information sheet with real examples of how AI is already being used to help inspire your creative thinking.

Living Longer (Ageing Society Grand Challenge)

How can we use AI to help older generations to stay independent, safe and maintaining active and social lifestyles?

Living Better (AI & Data Grand Challenge)

How can we use AI to help catch illnesses earlier, enable us to recover more quickly or stay healthy on a day to day basis?

Living Together (Future of Mobility Grand Challenge)

How can we use AI in our transport systems to make sure we're able to move more easily, safely and greenly?

Living Greener (Clean Growth Grand Challenge)

How can we use A.I to make our buildings, homes and communities more environmentally friendly?

Underpinning all of these themes is:

Living Safer (Personal Safety & Ethical practise)

How can we ensure our A. solution ensures personal safety and adheres to internationally recognised ethical principles?

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The Prizes

Longitude Explorer Prize will end with a Dragons Den pitching event and awards ceremony held in July 2020. Here, finalist teams will have the chance to pitch to a panel of judges and demonstrate the progress they have made in turning their idea into a reality.

The winning team will be awarded up to £25,000 to their school or youth group. There will also be 3 runners up prizes of up to £10,000. (Please note that prizes will be provided in the form of grants that will be entered into between the winning school/youth group and Nesta).

The Judging Criteria

Judging Criteria	What we're looking for
Innovative use of AI	New ideas or adaptations and new interpretations of a solution: you should be able to articulate the problem and how your solution fits the theme and use of AI
Impact on your theme	Articulation of the problem and how the idea is addressing the issue.
Enterprising	A clear planning process, research and experimentation to progress the solution from idea to reality; consideration for what resources teams will need. Application to the real world, how it will be made, who will use it, how much it will cost?
Teamwork	How will the team work together, how will they recognise their contributions and the strengths they can all bring to the team?
Communication	How will the team market and promote their idea?
Security & Ethics	Consideration for the ethics and security issues of using AI and an idea of the type of impact the solution can have

Entering the Challenge: Practical Information

Please note, this document has been updated from 01/01/2020. Following the success of our first round of entries, we have reopened the competition. An earlier version of this document contains different dates for phase one. For more information please contact the team on explorer@nesta.org.uk

The competition has been structured to support both you and young people in their entry.

Phase one: Call for Entries (December 2019 - February 14 2020)

- Challenges young people to come up with their AI ideas based on set themes & criteria - complete one entry form per team.

Phase two: Idea development (April - June 2020)

- 10 finalist teams will be selected to join the other 30 finalist teams who will all be provided a range of support resources & introduced to their industry mentors at an event in April to help make their idea a reality.

Phase three: Finalist event (July 2020)

- 40 Finalist teams will then take part in the grand finale in July 2020, where they will pitch their ideas to the judging panel.

NB - No previous technical knowledge is required. Participation is free and travel expenses can be covered. Nesta Challenges will also provide you with the resources needed.

To help you launch and run the competition with young people there is access to guidance and resources on the Longitude Explorer website, along with activity packs, FAQ's and an online entry form - visit https://longitudeexplorer.challenges.org/.

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Further information on the resources

All of the resources will be available to download from the Longitude explorer website at https://longitudeexplorer.challenges.org/.

Introduction to Longitude Explorer presentation: This is a powerpoint presentation which has been designed to be delivered to young people in a group session/assembly/meeting to introduce them to the prize. The presentation covers topics such as why they should be take part, this years themes, an introduction to AI etc.

Activity plans and presentations: There is an activity per theme, alongside four shorter additional activity sessions available for you to use. Each activity session has a detailed plan and powerpoint presentation which can be used to help deliver them. All activities are optional but it is recommended to use them as they have been designed in a way to help make filling out the entry form as easy as possible.

General resources: These are both for Team Champions and young people to use to help them develop their ideas. Some of these resources are referenced in the activity plans as they have been incorporated into the various sessions.

Timeline

Deadline for entering the Prize
5pm 14 February 2020

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Finalists are selected
March 2020

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Finalist development event
April 2020

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Pitching and awards event
July 2020

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What do I need to by when?

Stage one: Submit your idea

Who can enter?	What do I need to do in this stage?	When do I need to submit
- The competition is open to any constituted secondary school or youth group based in the UK. - All team members must be between 11-16 years old at the time of entry. - Teams must be made up of 2-5 people. - All teams must be represented by an adult as a guardian throughout the challenge prize, known as the Team Champion. - Schools/groups can enter more than one team into the competition.	At stage one, young people just need to submit their idea using the application form, based on what they would like to do with AI to tackle pressing societal issues relating to the four main themes.	Submit your entry online by 18:00 GMT the 14th of February 2020.

Stage 2: Developing your idea

What do I need to do in this stage?	When do I need to submit
The 10 selected finalist teams will join the other 30 finalist teams (selected from teams that applied by 29th November) and they will be provided a range of support resources & industry mentors to help develop their business plan and make their idea a reality, including a development day in April 2020.	Business plans will need to be submitted before awards event, date TBD

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Stage 3: Pitching and awards event

What do I need to do in this stage?	When do I need to submit
- The finalists will then be invited to present their entries at an awards event in July 2020. - The winners and runners up will be selected on the day.	Business plans will need to be submitted before awards event, date TBD

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