



*A discovery-based learning resource with prompts for interdisciplinary learning across Second to Fourth Level BGE*

# Teacher Pack

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[www.e-sgoil.com](http://www.e-sgoil.com)

## **What is this?**

A set of 20, interactive, IDL and discovery-based learning prompts, curated resources and tasks for use in your classroom both in-person and remotely.

## **Introduction**

The Big Question project was developed to support the second period of remote learning during the COVID-19 pandemic. In January 2021, we returned to national school closures and e-Sgoil offered learning and teaching resources for use online. The Big Question project was developed to support remote learning but also for use in the physical classroom environment post pandemic. This involved selecting topical issues from our world and creating interactive learning spaces through ThingLink with resources to support discovery-based learning.

These Learning Spaces contain, for example:

- Curated website links (news articles, organisations etc)
- Video links
- Interactive resources such as games and calculators
- Example task sheets to support learning around the Big Question

## **Using this resource in your classroom**

Given the nature of the tasks, we recommend that the resource is used when young people have access to digital devices and network connectivity. Included are some suggested approaches for the Big Question resource. This resource is free, flexible and contain content and tasks appropriate for young people working from Second to Fourth level in Broad General Education.

### **Application 1: Out of the box**

Each Big Question has a set of curated resources and a variety of example tasks. Learners can choose tasks, or you can assign and modify the tasks to support and challenge learners as appropriate.

### **Application 2: Starting point for topic / deeper research**

The example tasks are just the beginning and have been suggested to help learners find their own answer to the Big Question. You could create further tasks and curate more resources which will support learners to dive deeper into the area. A Big Question could be used to introduce a series of lessons or topic within your overall curriculum, a specific curriculum area or subject or as a tool for retrieval.

### **Application 3: Students create their own Big Questions**

Many of the Big Questions have been trialled and shaped by e-Sgoil learners. After your learners have experienced some of our Big Questions, why not challenge them to create their own – or as a class design a series of Big Questions that they want to know the answer to by the end of the year.

## List of Big Questions

Below, you will find a list of the Big Questions, along with a link to the video introduction and the associated Learning Space for learners to use.

#	Question	Video Intro	Learning Space
1	How will artificial intelligence (AI) change our world?	<a href="#">Link</a>	<a href="#">Link</a>
2	Why is studying languages vital for all young people?	<a href="#">Link</a>	<a href="#">Link</a>
3	Why is data important?	<a href="#">Link</a>	<a href="#">Link</a>
4	How do I cope with change?	<a href="#">Link</a>	<a href="#">Link</a>
5	Is the world taking positive steps to ending climate change?	<a href="#">Link</a>	<a href="#">Link</a>
6	Can natural disasters ever be a good thing?	<a href="#">Link</a>	<a href="#">Link</a>
7	Where has deforestation and species extinction happened?	<a href="#">Link</a>	<a href="#">Link</a>
8	How and why are non-verbal communication languages a massive part of modern life?	<a href="#">Link</a>	<a href="#">Link</a>
9	Could maths save your life?	<a href="#">Link</a>	<a href="#">Link</a>
10	Is music bad for the environment, does it matter and does anyone care?	<a href="#">Link</a>	<a href="#">Link</a>
11	Is social media good for democracy?	<a href="#">Link</a>	<a href="#">Link</a>
12	Who deserves £1000 in your community?	<a href="#">Link</a>	<a href="#">Link</a>
13	Micro-organisms - superheros or supervillains?	<a href="#">Link</a>	<a href="#">Link</a>
14	How can we create world class travel for all?	<a href="#">Link</a>	<a href="#">Link</a>
15	What should we do about plastics?	<a href="#">Link</a>	<a href="#">Link</a>
16	"Boys and Girls are just different"... Or are they?	<a href="#">Link</a>	<a href="#">Link</a>
17	Will Esports eventually replace real sports?	<a href="#">Link</a>	<a href="#">Link</a>
18	What is creative thinking and is it useful to us?	<a href="#">Link</a>	<a href="#">Link</a>
19	Can humans colonise space?	<a href="#">Link</a>	<a href="#">Link</a>
20	Can doing physical activity make your brain happier and help it to work effectively?	<a href="#">Link</a>	<a href="#">Link</a>