



## ANSTO Big Ideas - Student Worksheet

Student Names

Class or Year group

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The ANSTO Big Ideas Competition provides an opportunity for you and your teacher to win a Science Experience in Sydney or Melbourne to meet world-class researchers and get hands-on with amazing technology. All flights, travel, accommodation and meals are paid for by ANSTO.

We are looking for students in year 7-10 who are creative and passionate about Science!

### What you need to do

You will need to **work in pairs** for this activity.

#### 1. Do the research

- Investigate Australian Scientists that have made significant contributions to science or have made a major discovery or developed a new technology, specifically in the areas of environment, health or new materials.
- Choose **one Australian scientist** whose work inspires you and that you feel passionate about. Research the **discovery or contribution to science** of this scientist. Use the scaffold on the following page to record your information in dot points.

#### 2. Create your Big Idea

- Based on the work of your Australian scientist, brainstorm some **Big Ideas** to create something new or something that could lead to solving a real-world problem.  
What would you most want to investigate or develop if you were part of the team headed by your chosen Australian scientist?  
Use your creativity and **think big**: how do you want the world to be different? Record your ideas using the scaffold on the following page.
- Select your best Big Idea. What is your big question for the future of science - **the question that you most want to see solved** if you were part of the team headed by your chosen Australian scientist? Plan what you might do to solve or answer it. What is **your solution** to your big idea?

#### 3. Plan your video

Create a storyboard to outline what your finished video will look like. Remember your video can be a **maximum of 2 minutes** in length.

Plan the images and scripting you will need to create your video. Think about how you can use resources and props to engage your audience. Remember, to abide by copyright law. It must be all your own work.

Be creative, innovative and passionate!

**Now it's time to create your video. Good luck!**



## About an Australian Scientist

*State the name of your chosen Australian Scientist* \_\_\_\_\_

*Describe their major discovery, new technology or important contribution to science.*

*Why does his/her research resonate with you? Why are you passionate about their work? How does their work inspire you?*



## Your Big Idea

*What would you want to investigate or develop if you were part of the team headed by your chosen Australian scientist? Come up with as many Big Ideas as you can.*

*What is your best Big Idea – the idea you most want the scientist's team to develop or solve.*

*Why did you choose this Big Idea? Why do you believe scientists need to do something about this?*

*What is your solution to your Big Idea? How would you attempt to solve or answer it?*

## Storyboard Template (you may need more than one of this page)

Image description / drawing	Image description / drawing	Image description / drawing
Spoken text	Spoken text	Spoken text
Written text	Written text	Written text
music /sounds	music /sounds	music /sounds
Image description / drawing	Image description / drawing	Image description / drawing
Spoken text	Spoken text	Spoken text
Written text	Written text	Written text
music /sounds	music /sounds	music /sounds