

SMALL IS CHALLENGE

Pupil activity sheets



practicalaction.org/schools/small-is-challenge

**Practical
ACTION**

Starter questions

Name: _____

Class: _____

You're about to start a new project called the Small is challenge. Put a tick next to each statement to indicate how much you agree or disagree with it.

Small is challenge - statements before starting					
	Agree strongly	Agree	Neither agree or disagree	Disagree	Disagree strongly
1. I can list more than 10 inventions from the past 100 years.					
2. I can tell you 3 facts about an invention from the past 100 years.					
3. I can tell you about a technology that is used in a developing country that makes peoples lives better.					
4. I understand how technologies/inventions affect the environment.					
5. I believe I could invent a product that improves the world in the future.					
6. I understand that the way we live has an effect on the planet.					
7. I believe we should all look after the planet for people living in the future.					
8. I have told people at home about the Small is challenge.					

Research: 100 years of inventions

Name: _____

Class: _____

- Select any invention from the past 100 years

To help you with your ideas, you could use the Technology timeline in your classroom or go to thoughtco.com/invention-timelines-4133297

- Which invention have you chosen?

- When was it invented?

- Who invented it?

- Include a picture/s of the invention.

- Has it led to the development of other inventions/technologies? Which ones?

- Your top three interesting facts about it:

1.

2.

3.

- How has it changed people's lives?

Research: Recording the past

Name: _____

Class: _____

- Interview a person

Choose someone who is at least 20 years older than you. Find out about their memories of the technologies they used when they were younger. You can base your questions around a particular theme of food, transport, gadgets, etc or be more general if you like!

- I interviewed

- He/she is years old

- Record your questions and write up their response:

Technology for the future: My initial ideas

Name:

.....

Class:

.....

- **Invent a product**

Choose a product that will help us to lead more sustainable lives over the next 100 years.

- **My initial ideas**

Draw a few sketches with notes. This will help you explain your ideas more clearly.

Technology for the future: My final design idea

Name:

.....

Class:

.....

- Use detailed illustrations to tell us about your final idea.

When in the next 100 years do you think it will be used?

- Make sure you label your design idea

Include any sustainability issues, choice of materials and any other information that you think it's important we know about.

Evaluation questions

Name: _____

Class: _____

Now that you've completed the Small is challenge, put a tick next to each statement to indicate how much you agree or disagree with it.

Small is challenge - statements after competing					
	Agree strongly	Agree	Neither agree or disagree	Disagree	Disagree strongly
1. I can list more than 10 missing inventions from the past 100 years.					
2. I can tell you 3 facts about an invention from the past 100 years.					
3. I can tell you about a technology that is used in a developing country that makes peoples lives better.					
4. I understand how technologies/inventions affect the environment.					
5. I believe I could invent a product that improves the world in the future.					
6. I understand that the way we live has an effect on the planet.					
7. I believe we should all look after the planet for people living in the future.					
8. I have told people at home about the Small is challenge.					

Please tell us any extra things that you've enjoyed or learnt through doing the Small is challenge: