UKS2 – Lesson Plan 2

How can science create a better future for everyone?

Aim:	Key Words:	Preparation:
To explore how science contributes to global peace and development.	Peace, development, innovation, sustainability, collaboration	- Case studies of scientific solutions (e.g., clean water, renewable energy) - Videos or images of case studies - Worksheets with prompts for discussion and research - Chart paper and markers

Prior Learning: Understanding of global challenges like climate change, poverty, pollution.

Warm-up:
Begin with a discussion on what peace and development mean. Show a short video or image series of scientific innovations that have helped solve global problems (e.g., solar panels, vaccines, clean water systems).

Main Teach:
1. **Science for Peace and Development:** Explain how science and technology can solve problems that impact the world, such as reducing poverty, improving health, and protecting the environment. Use real-world examples, such as how vaccines have saved lives or how renewable energy helps the environment.
2. **Collaboration for a Better Future:** Discuss how scientists across the world collaborate to find solutions. Explain the importance of international cooperation in scientific research and development to create a better future for everyone.

Activity:
Group Research Project: Children work in small groups to research a scientific invention or discovery that has contributed to peace or development (e.g., clean water filters, renewable energy sources, medical advances). They create a poster or presentation to explain how this invention has impacted global peace and development.

Extension Challenge:
Innovation for the Future: Each child creates their own invention idea that could solve a global problem. They write a short explanation of how their idea could help people and contribute to peace and development.

Plenary:
Review the key points from the lesson by asking children to share what they've learned from their group research. Discuss how science will continue to shape the future and what role they can play in it.

ART	**Art:** Design a "Peace and Development" poster, illustrating how science helps build a better future.
D.T.	**DT:** Create a simple model of an invention that could help solve a current global issue (e.g., a clean water device, renewable energy source).