

# Practical Action – links to the science curriculum Scotland



We hope the information below will help you when planning your school's science curriculum.

As well as being suitable for lessons our resources are very popular for Science/STEM clubs. Our STEM Challenges can be used to gain CREST awards and as the basis of projects to enter into the Big Bang Fair. All our materials are set within a strong global context, and many explicitly link to the UN Sustainable Development Goals (SDGs) also known as the Global Goals. For activities specifically on the SDGs; technical briefs; images; posters and all the resources below please go to [practicalaction.org/schools](http://practicalaction.org/schools).

A number of the materials can also be used for National courses.

<b>First</b> (Primary P2, P3, P4)	<b>Second</b> (Primary P5, P6, P7)	<b>Third</b> (Secondary S1, S2, S3)	<b>Fourth</b> (Secondary S4, S5, S6)
<b>Topical Science</b> <b>SCN 1-20a</b> STEM challenges Pumpkins against poverty Cool pots (Upd8) Smoky homes(Upd8) Monsoon proof roof (Upd8) Concept cartoons	<b>Topical Science</b> <b>SCN 2-20a</b> STEM challenges Small is challenge Pumpkins against poverty Cool pots (Upd8) Smoky homes (Upd8) Monsoon proof roof (Upd8) Concept cartoons	<b>Topical Science</b> <b>SCN 3-20a</b> Global project ideas Design for a better world Small is challenge STEM challenges Technology justice (videos) Concept cartoons  <b>SCN 3-20b</b> Wild weather	<b>Topical Science</b> <b>SCN 4-20a</b> Small is challenge Global project ideas Design for a better world STEM challenges  <b>SCN 4-20b</b> Global project ideas Small is challenge Design for a better world STEM challenges
<b>Body systems and cells</b> <b>SCN 1-13a</b> Stop the spread	<b>Body systems and cells</b> <b>SCN 2-12a</b> Regreen the desert Stop the spread Smoky homes Marvellous microbes (video) Water!Water!	<b>Body systems and cells</b> <b>SCN 3-13b</b> Stop the spread Marvellous microbes (video) Worldwide Washing Smoky homes	<b>Body systems and cells</b> <b>SCN 4-12a</b> Regreen the desert Stop the spread Global project ideas Smoky homes Pump it (video)
<b>Energy sources and sustainability</b> <b>SCN 1-04a</b> Cool pots (Upd8) Growing food (Concept cartoon)	<b>Energy sources and sustainability</b> <b>SCN 2-04a</b> Cool pots (Upd8) Growing food (Concept cartoon)	<b>Energy sources and sustainability</b> <b>SCN 3-04b</b> Food preservation  <b>SCN 3-04b</b> Global project ideas Moja island Solar challenge Wind power challenge Energy and the Global Goals	<b>Energy sources and sustainability</b> <b>SCN 4-04b</b> Global project ideas Solar challenge Moja island Wind power challenge Energy and the Global goals Design for a better world

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<b>Electricity</b> SCN 1-09a Solar challenge	<b>Electricity</b> SCN 2-09a Solar challenge	<b>Electricity</b> SCN 3-09a Solar challenge	<b>Electricity</b> SCN 4-09c Solar challenge Flood alert (Upd8)  <b>SCN 4-10b</b> Global project ideas Design for a better world Small is challenge
<b>Biodiversity and independence</b> SCN 1-03a Pumpkins against poverty Sandy seeds (Upd8) Growing food (Upd8)	<b>Biodiversity and independence</b> SCN 2-02b Floating garden challenge Regreen the desert Pumpkins against poverty Growing food (concept carton) Sandy seeds (Upd8)	<b>Biodiversity and independence</b> SCN 3-03a Design for a better world Growing food (Upd8) Global project ideas	<b>Biodiversity and independence</b> SCN 4-02a Global project ideas Design for a better world Wild weather  <b>SCN 4-02b</b> Wild weather
<b>Properties and uses of substances</b> SCN 1-15a Floating garden challenge Beat the flood Ditch the dirt	<b>Properties and uses of substances</b> SCN 2-16a Ditch the dirt Stop the spread Regreen the desert Water conservation (Upd8)	<b>Properties and uses of substances</b> SCN 3-15a Iodine initiative (Upd8)  <b>SCN 3-16a</b> Ditch the dirt	<b>Properties and uses of substances</b> SCN 4-16a Plastics challenge Beat the Flood Small is challenge  <b>SCN 4-17a</b> Plastics challenge Reuse or recycle(Upd8)
<b>Forces</b> SCN 1-07a Squashed tomato challenge	<b>Forces</b> SCN 2-07a Squashed tomato challenge  <b>SCN 2-08b</b> Floating garden challenge  <b>SCN 2-18a</b> Ditch the dirt Plastics challenge	<b>Forces</b> SCN 3-07a Squashed tomato challenge  <b>SCN 3-19a</b> The meal deal	<b>Forces</b> SCN 4-19a The meal deal