



EBP

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Schools' Challenge
21st & 22nd
June 2017



BRANSTON

Farmacy plc
Advisors to Agriculture



The Willows
Garden Centre - Cafe - Deli

WOLDMARSH
The Farmers Buying Group

EBP

A social enterprise developing
the skills of young people.
the-ebp.co.uk

01 Reducing my School Footprint

Curriculum Links: Geography, Science, Citizenship

Students are asked to look at the impact that their school has on the environment. Along with carrying out an environmental impact survey, students should research and create an action plan to reduce the school's carbon footprint. A campaign to promote this change should then be developed for the school and wider community. Students must get creative and plan across a variety of impacting areas.

02 Flood Alert!

Curriculum Links: Geography (carbon & the water cycle), Science, Design and Technology, Computing

Students are tasked with becoming a flood response team and delving into why flooding occurs and how we can help to prevent it. Students are asked to research, plan and construct a model home and surrounding land able to withstand the effects of flooding. Students should include different concepts and test out materials based on absorbency and strength while recognising the importance of flood prevention.

03 Advertising the Lincolnshire Show

Curriculum Links: Computing, English, Media Studies, Business Studies

Students critically analyse the existing strategies used to advertise the Lincolnshire Show. They should then develop new concepts which will promote the Show to young people whilst reducing the environmental impact of the event.

04 My Community, My Commitment!

Curriculum Links: Art and Design, Citizenship, Science, Design and Technology, Geography

Students are tasked with the challenge to improve an area of land within the school grounds or local community. They should research and investigate the need for improvements involving the wider community and create a design portfolio of ideas. Students must then implement their ideas, recording the changes and impact.

05 My Healthy School

Curriculum Links: Design and Technology, Science, Citizenship

Students are asked to research what is meant by healthy living. Students should use the information gathered to develop a selection of healthy meals or snacks that could be used within school. Where possible, ingredients should be home-grown or locally produced. An awareness campaign must then be developed to alert people to the importance of a healthy lifestyle and get others motivated to change.

06 Growing for the Globe

Curriculum Links: Languages, Citizenship, Geography, Science

Students investigate which crops grow best in the British climate and compare these with the types of crops which would thrive in a school garden on a different continent. Consider Hydroponics and sky or tower planters which minimise water use and soil-less plant growing. They should develop a relationship with one or more schools from their chosen country and contact this school by post or email in the correct language if feasible.

07 Project Potato!

Curriculum Links: Design and Technology, Science

Students grow potatoes and experiment to find the optimum growing conditions. They may develop recipes using their potatoes, which, along with the remaining potato plants will be judged at the Lincolnshire Show. Farmacy plc are able to supply schools with potato seeds and growing equipment.

08 Farming Through the Ages

Curriculum Links: History, English, Computing, Geography

Students should research, discuss and demonstrate how the world of food and farming has changed over the years. Specific consideration into agriculture across Lincolnshire could be looked at, investigating how major events in history have had an impact. This could include ideas such as the transition from hunter gathers to farming in the Neolithic Era, the Industrial Revolution, WW1/2 and the women's land army.

09 The Great Gardening Challenge

Curriculum Links: Design and Technology, Science, Art and Design, Geography

Students are tasked with the challenge of researching, designing and creating a miniature "show" garden, similar to that of the RHS Chelsea Flower Show. A uniform pallet will be provided on the Show days to display the garden. Credit will be given to gardens which demonstrate the theme of wildlife attractors. A diary documenting the stages of design and the creative process should be included.

10 Precision Farming

Curriculum Links: Science, Design and Technology, Computing

Students are tasked with growing a food crop and using technology to increase their yield whilst using less resources. The challenge is to use technology to make the most efficient use of resources such as soil, water, or fertilizer to grow crops. Farming is entering a new era of technological change to meet the challenges of the 21st Century. This challenge highlights the use of precision and data to make agriculture more sustainable.

Please choose from the range of challenges and complete and return the accompanying expression of interest form. You will then be sent guidance notes to help your students through their chosen challenge, ready to compete for Schools' Challenge Champion at the Lincolnshire Show 2017.