

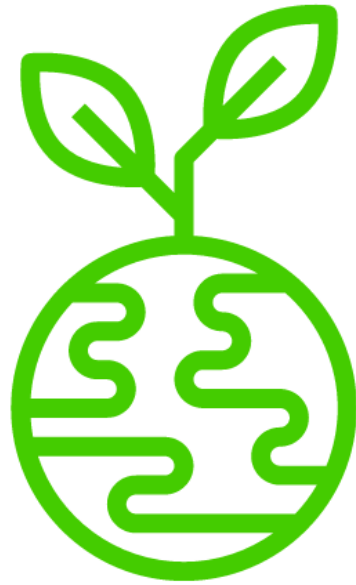


Sustainability **WOW** Week

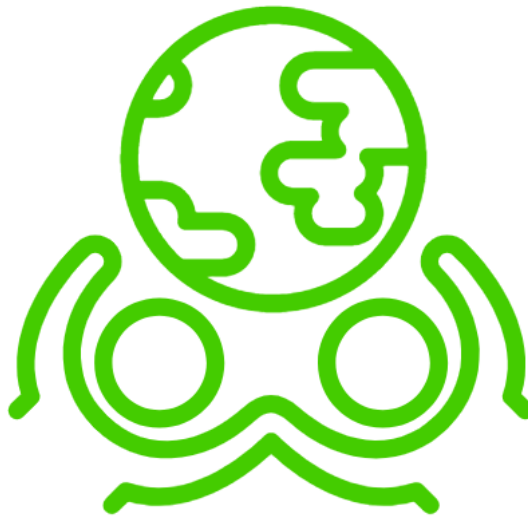
W/C Monday 8th March 2021



As a school we will be combining a traditional Science Week as a STEM WEEK. We will be broadening this to include a re-introduction to school life. We will be focussing our attention on three areas of sustainability:



WOW
World Sustainability



WOW
Our Community Sustainability



WOW
Well Being Sustainability

Sustainability WOW Week

W/C Monday 8th March 2021



As part of our 'Sustainability WOW Week' we will be celebrating British Science week by participating in a national **STEAM competition** run by NFU Education called **FARMVENTION**.

Farmvention (when farming meets invention) is a national STEAM competition run by NFU Education and aimed at children aged 5 – 14 (school years 1 -9) in England and Wales.

This year, the challenge is all about the **problems that climate change creates for British farmers and how they are fighting it to become Climate Superheroes**.

There are four themed inspiration hubs to get pupils thinking and each one is full of investigations to complete at school, alongside some exciting tours of our climate superheroes' farms to inspire you.

Pupils can enter the competition individually or as part of a team or class and there is a host of amazing prizes for the winning schools. Winners will present their ideas at a prestigious event at the Houses of Parliament and win £1000 for their school to spend on STEAM or Outdoor Learning equipment! All entrants will become certified 'farmventors' and receive a reward pack including a certificate and mini prize. Entries close on 31 May 2021.

What is the 'Farmvention' competition?

The Challenge is to create an invention, innovation or idea to help British farmers continue to care for the environment and become Climate Super Heroes.

Explore the inspiration hubs on the website which contain lots of fantastic lesson resources/activities which you can use to support your planning for the afternoon sessions during our Sustainability WOW Week.

www.farmvention.com

STEAM (Science, Technology, Engineering, Art, Mathematics)

STEAM is the integration of knowledge and skills from a multitude of disciplines (academic area) that are used to solve real world problems. It supports the ongoing mission of providing the children with an enriched curriculum is to increase sustained engagement, collaboration and motivation.

STEAM predominantly utilises the Primary subjects of Science, Technology, Engineering (DT), Arts and Mathematics. Through **STEAM**, teachers provide connected learning opportunities that must deliver authentic connections and bring relevance allowing for outcomes to be critically evaluated.

Our STEAM '**Farmvention Project**' will develop the following:

Cognitive Skills

Interaction Skills

Creative Skills

How will these skills be developed?

Cognitive Skills

- Analysing
- Applying known facts
- Challenging
- Hypothesising
- Initial Questioning

Interaction Skills

- Collaborating
- Communicating
- Engaging
- Listening
- Responding
- Supporting

Interaction Skills

- Connecting
- Constructing
- Developing
- Exploring
- Expressing
- Revolutionising

STEAM (Science, Technology, Engineering, Art, Mathematics)

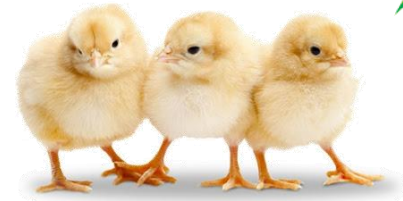
The ambition of a STEAM project such as 'Farmvention', we believe, results in:

- Children gaining cultural capital in exposure to real life problems
- Children developing deeper understanding of the curriculum – thus advancing their learning and academic progress
- Children recognising that solutions are often found through a combined application of subjects/knowledge
- Children being provided with skills that are required for an unknown future in the wider world of employment
- Children critically evaluating evidence, making sense of information, and ultimately becoming better collaborative problem solvers
- Enabling a truly creative and integrated approach to the curriculum that fosters outcomes to encourage writing, applied mathematics and the integration of technology.

STEAM in Early years

Sustainability WOW Week

Incredible Eggs - Ethical Chick Hatching



As part of our Sustainability WOW Week, Early Years will also be engaging in a very exciting STEAM project called 'Incredible Eggs'. Our youngest learners will experience the wonder from the moment the eggs are delivered. They will see the eggs wobble and often hear cheeping from within the egg, just before hatching commences. At this point, we'll invite the children to cluck to the chick? (often a great source of amusement). But it does work. They will listen in amazement as the chick cheeps back!

Temperature and humidity levels are closely controlled in sophisticated machinery during the main incubation period. This enables us to ensure a midweek hatch at Waterfield. The hatching process is normally complete by Thursday evening of this first week. Every moment can be observed through the 360-degree, high visibility hatcher, so the children shouldn't miss a thing!

Once dry and fluffy, the chicks are transferred to a brooder box. They will be provided with a heated mat, bedding, food and drinker. Everything the chicks need! The brooder box is lightweight and easy to carry and can be moved easily into different rooms if needed. The children can now enjoy watching the chicks and their antics. They will grow and change quickly over the day which follow and can become very tame. We will enjoy watching their personalities and little characters develop. Which one will be your favourite?

Over 10 days, the children will learn about life cycles, how to care for young chicks as well as a whole host of learning activities in English, mathematics and the rest of the curriculum. BIG questions will be explored in great-depth alongside some exciting creative activities. It promises to be a truly memorable experience and a great way to welcome the children back to Waterfield.

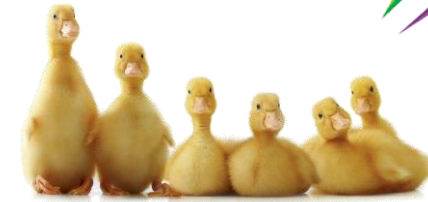
Incredible Eggs

With 10 years experience working successfully with many hundreds of schools, nurseries and care homes, **Incredible Eggs** is a proven name you can trust, whether you are a confident old hand or an anxious first-time hatcher. We understand the responsibility of ensuring your hatching kits are ethically sourced. Please see [About Us](#) and [FAQs](#) section for more comprehensive information about who we are and what we do.

STEAM in Year 1

Sustainability WOW Week

Incredible Eggs - Ethical Duckling Hatching



As part of our Sustainability WOW Week, Year 1 will also be engaging in a very exciting STEAM project called 'Incredible Eggs'. The children will experience the wonder and excitement from the moment the eggs are delivered. They will see the eggs wobble and often hear the ducklings making noise from within the egg, just before hatching commences.

Temperature and humidity levels are closely controlled in sophisticated machinery during the main incubation period. This enables us to ensure a midweek hatch at Waterfield. The hatching process is normally complete by Thursday evening of this first week. Every moment can be observed through the 360-degree, high visibility hatcher, so the children shouldn't miss a thing!

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Sustainability WOW Week

Incredible Eggs

What happens to the chicks/ducklings at the end of the hire period?

Ownership of the birds will be signed over to **Incredible Eggs** at the end of the hire period.

Incredible Eggs are established, reputable small-scale poultry breeders and conservationists in their own right, with high-welfare, non-intensive facilities and the necessary experience to responsibly offer this service. They NEVER sell more hatching eggs than they can comfortably accommodate as birds after the hire period is over.

As poultry breeders, they provide a local service by supplying poultry enthusiasts, hobbyists and smallholders with quality livestock.

For more information, please go to: www.incredibleeggs.co.uk

“If children grow up not knowing about nature and appreciating it, they will not understand it, and if they don’t understand it, they won’t protect it, and if they don’t protect it, who will?”

– **Sir David Attenborough**