



STEAM IN ST. LUKE'S

National Digital Learning week - S2 Digital Design Day 2018

National Digital Learning week is an annual Education Scotland event where teachers and learners from all schools in Scotland are encouraged to take part in digital learning and teaching activities.

To celebrate National Digital Learning week the faculty of Business, Technology and ICT hosted their annual Digital Design Day with pupils in S2. The event saw pupils work in teams to create a mobile app that solves a unique problem. The event was supported by several industry partners including local app developer ADD JAM.



SSERC @ St. Luke's

This month SSERC Technology visited the Design & Technology department to take part in a CPD event delivered by some of the department staff.

SSERC have recently renamed their buildings as part of a re-brand and were in need of some assistance to design, create and vinyl cut their new signs. SSERC hope to offer this service to other schools and staff in Scotland at their research centre in Dunfermline.



BLOODHOUND challenge @ Barrhead High

Five of our S3 pupils took part in a STEM event for schools across East Renfrewshire at the new Barrhead High STEM vocational wing.

The BLOODHOUND challenge is a global engineering adventure using a 1,000mph World Land Speed Record attempt to inspire the next generation to enjoy, explore and get involved in STEM. The event saw pupils in each of the seven secondary schools design and make a car which they then raced and were placed on the leader board. Unfortunately our group of pupils did not make it to the final, however they had to settle for third place!



New chicks!

Written by Katie Dunne, Eve McAleer and Olivia Martin.

Every year St. Luke's high school takes part in the living eggs project. This project gives us 10 eggs each year which we care for during the first 2 weeks of their lives. We began by housing them in an incubator so they stayed warm and were able to hatch. After a couple of days they began the pipping process, this is when they use a special tooth on their beak to break their shell. When the first one hatched it made a chirping noise to encourage the others to come out to join it.



We then placed them in a small coop where they began to experience the outside world. In this early stage they develop a pecking. As they began to flourish and develop we then placed them into a larger coop where they had more room to play. This is usually at the stage where their feathers come in and they attempt to fly. As they are still young we like to station two heat lamps evenly around the coop.

When they were one week old, and a little more settled into their surroundings, we took the chicks to the cluster primary schools to begin introducing the P7's to Science in St. Luke's. At the end of the week we had to say goodbye to our feathered friends as they moved onto a dairy farm to begin to make their own eggs, whether they're fertilised or not.

Our chicks, luckily, cannot be used as human poultry as they have not been raised on the specific diet and culture of a meat farm, so good luck Mr. Bond, Hedwig, Simba, Zeus, Thunderbird, Buttercup, Betsy, Sunny, Daisy and Sandy.

STEAM ACROSS SCOTLAND

Sciences

<http://www.gtcs.org.uk/News/teaching-scotland/68-a-natural-approach.aspx>

Technologies

<https://education.gov.scot/news-and-events/news/National%20Digital%20Learning%20Week%202018>

Arts

<https://education.gov.scot/news-and-events/news/John%20Byrne%20National%20Drawing%20Competition%20winners%20announced>

Numeracy and mathematics

<https://www.barclayslifefskills.com/teachers>