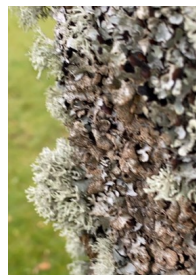


Teachers and students at Deans have continued to work incredibly well together. The creativity on both accounts in making the most of the learning tools around them and turning the current unusual circumstances into positive learning experiences have been impressive and the examples included in this newsletter are just a sample of what has been taking place.

Mr Dibdin from the **Home Economics** department has been videoing cooking lessons from his kitchen at home, including his singing of the happy birthday song as he washes hands. So no excuses for your child not helping you out in the kitchen!

S3 **Biology** students have been learning about human impact on the environment, including working on a 'biome in a box' project in which the students construct their own biome. They incorporated this into their daily outdoor exercise, taking photos of the plant life around them and explaining their findings to one another.

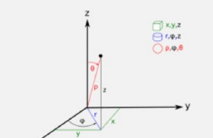


In **Modern Languages**, S2 German students joined in with students from other schools to compete in an inter-schools Kahoot competition whilst Higher students used news articles from Germany to research the impact of the Corona Virus.

Mathematical Inventions

COORDINATE SYSTEMS CALCULATORS

Double and triple calculators have been widely used in land registers in Germany because historically they used several different coordinate systems that originated in different German states before unification in 1870, and subsequent changes in legislation on the coordinate system to use, and who not. The end result was that, until the 1960s, land registers were a complete mess. The calculations to transform the coordinates from one system to another were long and tedious. This article aims to show with a very practical example why double calculators were so popular in land offices in Germany, and why the Brunsviga 183 was even an improvement.



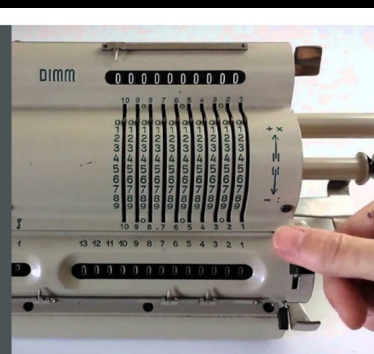
PROTRACTOR

- A protractor is an instrument that measures angles it is usually in a shape of a semi-circle with 180 degrees. You can get one that's a full circle that is 360 degrees.
- The first protractor was made by the Egyptians in 1400 BC.

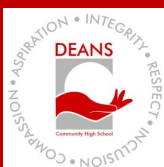


MECHANICAL CALCULATOR

A Mechanical calculator or Calculator machine is a mechanical Device used to perform the basic operations of arithmetic automatically. Most mechanical calculator were comparable in a size too small desktop computers and have been rendered obsolete by the advent of the electronic Calculator



Samples of
S1 Maths Work



As normal our website - www.deanscommunityhighschool.com - contains information updates for students and parents/carers. Have a look in our News items and the Information sections in Student Zone & Parent/carer Zone. Our Health & Wellbeing section is also updated with information and resources.



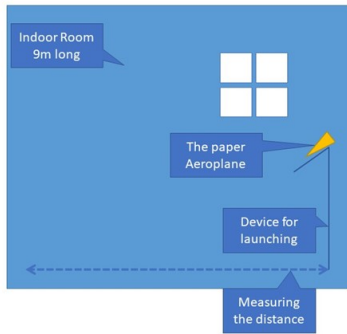
S1 Science - Aerodynamics challenge

The class was recently set an aerodynamics challenge. They had to build a range of different paper aeroplanes and find out which one flew furthest. We were really pleased with the way the students engaged with the challenge and the effort they put in to producing their report.

Here are examples of student work:

Jack

Aerodynamics – Testing Designs for Paper Aeroplanes



- What we need to set up the experiment**
- Indoors in a room so there is no wind to affect the planes
 - Clear run way for the planes so they can all achieve distance
 - A way to measure the distance
 - A way to make the planes fall equally
- What the experiment will look like**
- We will make 3 planes of different designs
 - Make sure all three weigh the same so one piece of A4 paper for each
 - All 3 planes will fly 3 times each and I will measure how far each went with a measuring tape
 - The average distance of each will determine which is best aerodynamically

Aerodynamics – Building the planes

Design Number 1



Design is made by using one sheet of A4 and many folds to the head section

Design Number 2



Classic design used by simply folding the A4 sheet of paper several times along the axis

Design Number 2



More complicated design with many folds to give the tail section flaps to help with lift

Aerodynamics – Doing the experiment

Plane Design	Glide 1	Glide 2	Glide 3	Avg
1	2m	1m	2.5m	1.83m
2	3.5m	5m	5m	4.5m
3	2.5m	2m	2.5m	2.3m

Aerodynamics – The findings

The findings

- From the findings I found that the plane that was most aerodynamic was design number 2.
- On average the design went 4.5m per attempt and achieved more than double the average distance of the worst performing plane design (number 1)
- Design number 3 performance fell in the middle of the 3 designs but was still 1.2m on average, short of the best design
- It can be concluded that the best most aerodynamic design for a paper aeroplane is the classic folded design



Considerations to make the test better

- We could have tested more designs that were as simple as the winning design
- We could have done more individual test flights for each of the designs
- We could have designed a machine that threw the planes rather than dropping them off a slide

Nathaniel

AIM – to find out which plane was the most aerodynamic

METHOD

- 4 paper planes were made of different sizes from paper
- A runway was created measuring over 2 meters long
- Starting with the smallest plane
- It was released at the start of the runway to see where it landed
- Distance was measure from the starting point to where the plane landed
- Steps 4 & 5 was repeated 2 times more to get an average with the smallest plane
- Steps 4, 5 & 6 was repeated with each size of plane from smallest to largest

RESULTS

Plane (Smallest to Largest)	Distance 1 cm	Distance 2 cm	Distance 3 cm	Distance 4 cm
Yellow	90	97	91	92
Red	137	150	132	139
Green	156	155	147	152



Health and Wellbeing

Tasks and advice to support the mental health and wellbeing of our students have also been added to GLOW and the website. Mrs Emmett created a mindfulness session on video that students can join in with from the school website.

Our school counselling service, YourSpace, have continued to work with our young people, offering a digital support service, whilst a support powerpoint has been added to the school website and there are daily updates on twitter and the school app with information on different supports that are available.

In **English**, some S1 have been using Audible Stories and Nearpod to teach class novels. They've listened to a chapter and then completed tasks in the Nearpod lesson - some are open-ended written answers, some are quizzes and some are collaborative "post-It notes" where they can all see each others' answers.

Staff have also highlighted the success of their online chats with students. The setting has encouraged peer support, with reports of students still helping each other after the teacher has left for their next class.

Students have also been accessing Sway resources via links from their English teacher. We have included screenshots from the start of some of the Sway resources below:

S1 Book Project



- Try to spend 15 to 30 minutes a day reading your chosen book or listening to your chosen audio book.
 - using PowerPoint
 - using Sway
- Section One should be completed before you begin your project.
- Section Two should be completed after you have done your daily reading.
- Section Three onwards should be completed when you have completed your book.
- You can complete your project:
 - in your jotter
 - on paper
 - using Word

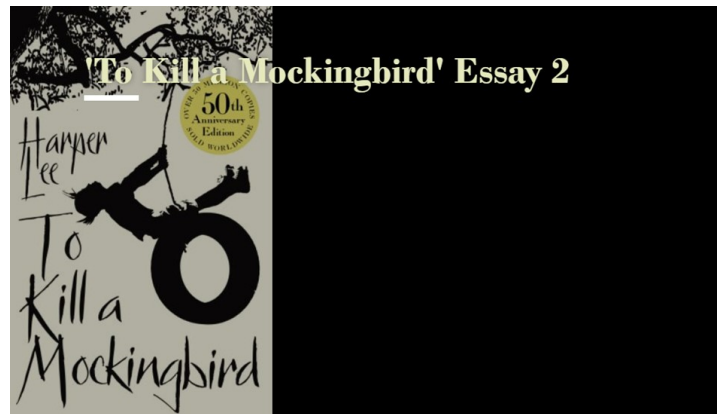
S2 Persuasive Writing

Learning Intention

- We are going to research, plan and write a piece which aims to persuade a reader to think carefully about their use of plastic.
- Understanding how to research and use this research to create a piece of functional writing will help prepare us for the National 5 folio.
- Learning that writing is a process and understanding how to use feedback to edit a draft is important for National 5 and Higher.
- Understanding where to find information as well as how to articulate our ideas clearly and persuasively, is an important life skill.



S3 To Kill a Mockingbird Critical Essay



Here is our PE Department toilet roll challenge! Think you can do better guys? Get involved and send us in your efforts!! 🏀⭐

Also, keep an eye on our page for weekly challenges, up next is one for the all gymnasts out there... 🤸👁️

Students in **Physical Education** have been set daily challenges on their Teams pages and on social media, helping to keep activity levels and motivation high, with the staff demonstrating their own skills (some stronger than others!).

Some students have been doing their own fitness sessions from home and sending in their key stats such as heart rate, duration and intensity.

Students complete an online Form whenever they do exercise to tell us what they have been up to. These Forms have shown the impact of exercise on mental and emotional wellbeing as well as the physical benefits of staying active as pupils rate their mood out of 5 before and after exercise.

4. How did you feel BEFORE your physical activity? 1 = Not great. 5 = Very happy.

[More Details](#)

1	3
2	12
3	22
4	11
5	5



5. How did you feel AFTER your physical activity? 1 = Not great. 5 = Very happy.

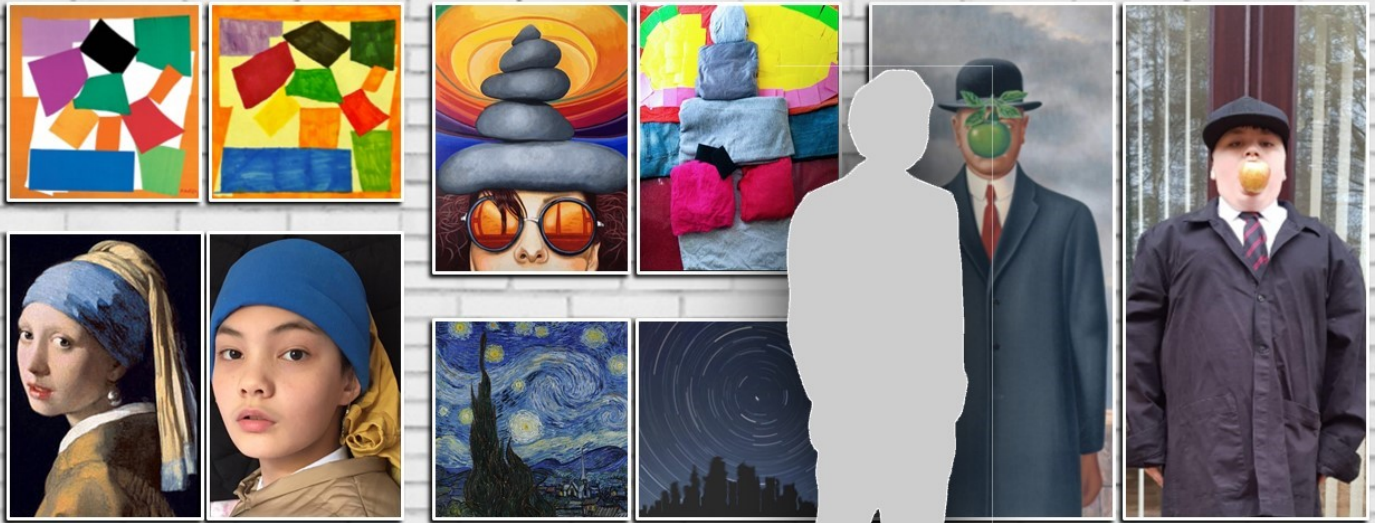
[More Details](#)

1	0
2	3
3	7
4	23
5	20





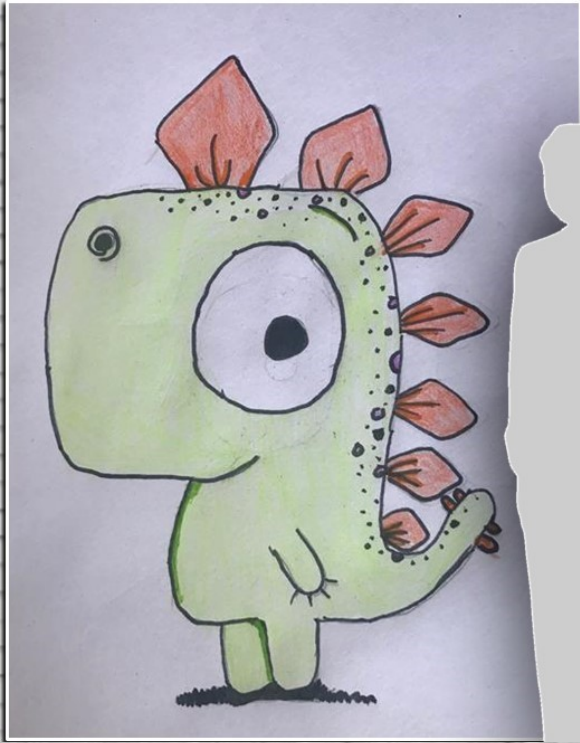
The Deans BGE Lockdown Gallery



S1 Artwork Recreations



S1 Artwork Recreations



S1 Rob Biddulph Illustrations



S3 Mexican Flora Images