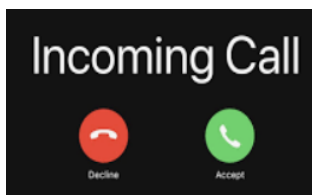


Amazing Scientific Facts



The Hubble telescope has travelled 6.5 billion kilometres around earth or 65, 000 000 000 00 metres.

How we are learning?



Our Science team are here to help, by conducting Zoom meetings, email or phone calls.

The details of all the Zoom lessons have been uploaded to Show My Homework.

Recordings of the instructions are linked from the week's activity.



Challenge: Who can make the most colourful eggshell geode crystals.

What are we learning this week?

Year 7: Egg shell geodes, linked to diffusion and the rock cycle.

Year 8: Egg shell geodes, linked to diffusion and the rock cycle.

Year 9: Watch clips/videos from any of Steve Backshall documentaries. Link our character strengths with the challenges he faces, also suggest how our environment has changed during lock down.

Year 10X1—Topic 7 – Rates of reaction & Energy

Year 10: Investigate what factors affect the movement of molecules

Year 11: Prepare and plan for joining us in 6th form, see Mrs Dighton communication next week.

Year 12: Unit 8 - Aim B Coursework—Understand the impact of disorder on the physiology of the lymphatic system and the associated corrective treatment.

Year 13: Unit 8 Aim C Coursework—Explore the physiology of the digestive system and the use of corrective treatment for nutritional deficiency

Foundation Diploma Students Unit 9 as well.

Make sure you log on to Mrs Barma-Newman's zoom to know how.

Family Science Experiments

We all know that the best bit about Science is the practical activities, so we have compiled a selection of great websites where you can explore your Scientific Minds and have fun with your family.

<https://melscience.com/GB-en/experiments/>

<https://www.pinterest.co.uk/hsscscientist/homeschool-science-experiments/>

<https://www.iflscience.com/chemistry/unfinished-20-fun-science-experiments-you-can-do-home/>

<https://thestemlaboratory.com/stem-activities-for-kids/>

<https://mommypoppins.com/kids/50-easy-science-experiments-for-kids-fun-educational-activities-using-household-stuff>

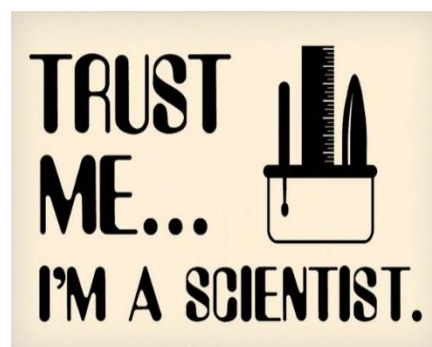
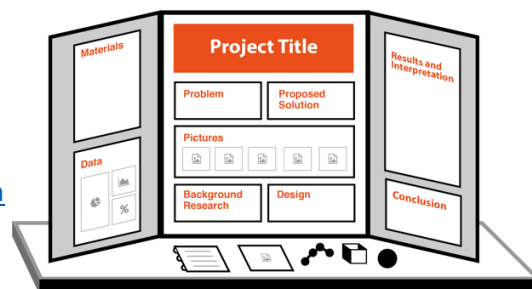
To extend this we want to challenge you (it is optional) to present an entry for a “Science Fair Competition” – we will work out how to do this virtually with Mr Blair’s help on Zoom. This website has a long list of project ideas:

<https://www.sciencebuddies.org/science-fair-projects/project-ideas/list>

This link will show you ways to present your project

<https://www.sciencefaircentral.com/students/engineering-projects/presentation>

The projects should be completed by 24th April, let Mrs Graham know if you want to enter.



Contact emails

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Ria.Graham@aylesford.kent.sch.uk

Tom.Green@aylesford.kent.sch.uk

Joseph.Earl@aylesford.kent.sch.uk

Star Students

Year 7 – Harvey G, Lillie L, James B, Rebecca P, Rose W, Rhiannon K, Mia G, Isabella P

Year 8 – Hannah S, Thomas W, Aiden D, Emily P

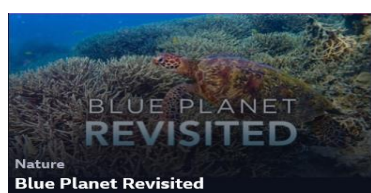
Year 9 – Husna P, Max D, Phoebe B, Jasmine C, Albie Z, Harley LO, Poppy LE, Jessica L

Year 10 – Taylor M, Ella W, Louis R, Josh P, Keira A, Stephanie C, Katie M, Zac Mc, Isaac E,

Year 11 – Abbie N, Tabitha D, Harvey J, Leia B, Kaila S

Year 12 – Josh D

Something different rather than a tablet, X-box, PlayStation or phone. BBC i- player Science & Nature or Youtube.



How hard is it to drive in a straight line.

<https://www.youtube.com/watch?v=QPzJiKFCxgw>



Chris Harris on cars – 1000mph

<https://www.youtube.com/watch?v=g4AyytkpiB0>

The Space Shuttle's last flight, why the program ended.

<https://www.youtube.com/watch?v=H-uxmp6ok8I>



Stealth Bomber: Documentary on the stealth technology aircraft.

<https://www.youtube.com/watch?v=ZPaT-sP2e8s>

Seneca Class Codes

Join your class, and you will be able to complete your assignments online or do some independent work

9x1: **5y08kitq5o**

9x2: **xg8f0ii4o6**

9x3: **4448xfyxei**

9y1: **jpslsx8pnx**

9y2: **w9wvumu5nc0**

10x1: **7sclwr9ryd**

10x2: **2tlylu1p0g**

10x3: **djiOrrp4ry**

10y1: **jecxxhiyq5**

10y2: **x6ym1qtwb9**

11x1: **ku9vg7kywi**

11x2: **63rvmjrz9m**

11x3: **1hxtex1tti**

11y1: **bb7ez0otdx**

11y2: **yyhmyctoei**

11y3: **3qh4ajwlhr**

The Corona Virus

Everyone is talking about it, but what do you really know? This is a chance to extend your learning of communicable disease. For those of you, who have learnt about the Black Death in History how does it compare? Create a resource - Poster/Video/Leaflet/Poem/Newspaper Article/Tweet/Blog

To include –

- Labelled drawing/diagram of the virus
- Explain how it is transmitted
- Describe how it can be treated
- Explain how transmission can be prevented
- Describe how it is replicated in the human body

Year 11

If you are thinking about a Science A level or BTEC Course at Sixth Form or College – Amazon Kindle has made available for free “Head Start in A level Biology/Chemistry etc” to download. These are a great way for you to prepare yourself for the future whilst stuck at home!

https://www.amazon.co.uk/Head-Start-level-Biology-Level-ebook/dp/B00VE2NIOI/ref=pd_sim_ebk_14_3/262-0124313-9601749?encoding=UTF8&pd_rd_i=B00VE2NIOI&pd_rd_r=f9cf43ae-6279-4162-afcd-bc8742503ff5&pd_rd_w=3xQV&pd_rd_wg=NV4Cv2p1&rd_p=538a7350-f31b-4f02-8637-79c64aagcebdf&pf_rd_r=51BQY1JX7YVJEAM5M5VX&ps_c=1&refRID=51BQY1JX7YVJEAM5M5VX