



The weeks are flying by and, as always, I start with another big thank you to all parents, carers and families for the support that you are continuing to provide for your children and the school at this very challenging time. We are very fortunate to have you working so closely with us.

Students and staff, as I am sure you will be aware, are continuing to work incredibly hard with so many examples of wonderful work which we are delighted to share with you in this Insight edition. Sadly, we cannot showcase every piece of work, but that is not to say that we do not appreciate and value every single submission, because we most certainly do. We hope that much of the work can be displayed in school on our return as a memory of the effort and determination shown by so many students during this period of school closure.

Take care and stay safe.

With kindest regards,

Simon Corner  
Principal

## Isolation Inspiration

### Dylan's A Samba Sensation!

You will recall from the previous edition that Y8 students have been involved in a Samba project. Well how about this from Dylan Knowles who has not only done some fantastic research, but has also created his own Samba instruments using recycled materials. Perfect! Well done Dylan.

#### Upcycled Samba Band Instruments

Raw Materials



**Caixa** – Old round loaf tin, Greaseproof paper, bath plug chain, parcel tape, red and earth electrician's tape

**Tamborim** – Old lid from Sweet bucket, red, green, white and earth electrician's tape

**Tamborim Beater** – plastic bag ties, parcel tape, earth electrician's tape

**Ganza** – Old pill box, ball bearings, red and earth electrician's tape

#### Upcycled Samba Band Instruments

Finished Products



**Caixa** – a drum with springs that vibrate when the skin of the drum is struck

**Tamborim** – a small drum played with a splayed beater

**Ganza** – a handheld shaker

These percussion instruments form part of a Samba marching band

# Y10 Artists at Work!



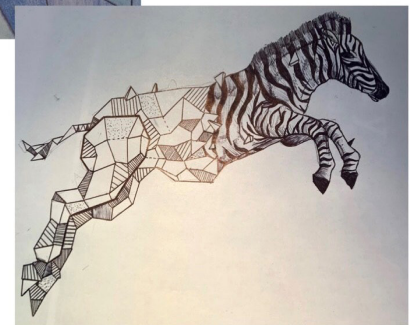
**BIANCA I,  
YEAR 10**

**FASHION  
PROJECT**



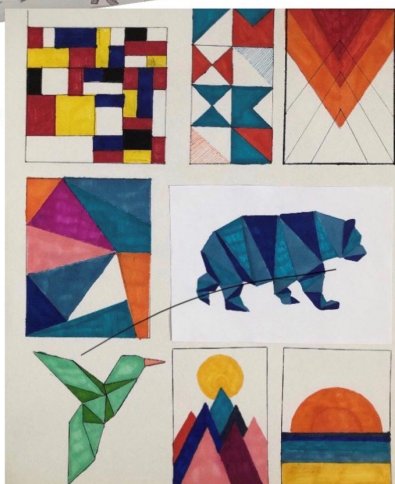
**ELCA T-D,  
YEAR 10**

**GEOMETRIC  
PROJECT**

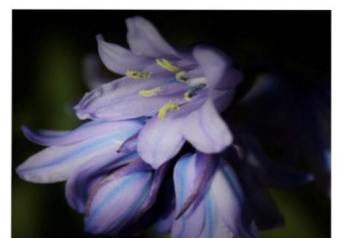
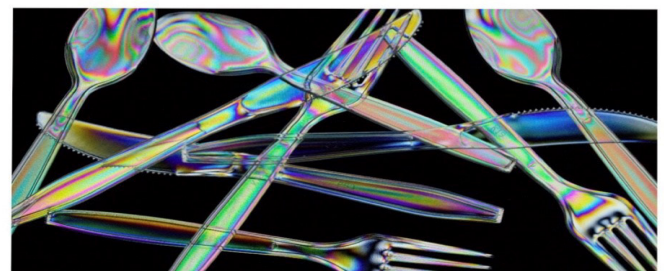
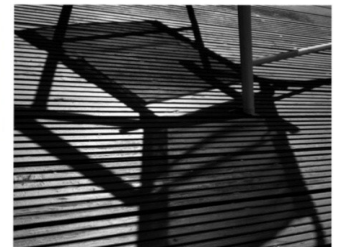


**HARVEY M,  
YEAR 10**

**GEOMETRIC  
PROJECT**



**NATHAN C, YEAR 10  
PHOTOGRAPHY PROJECT**

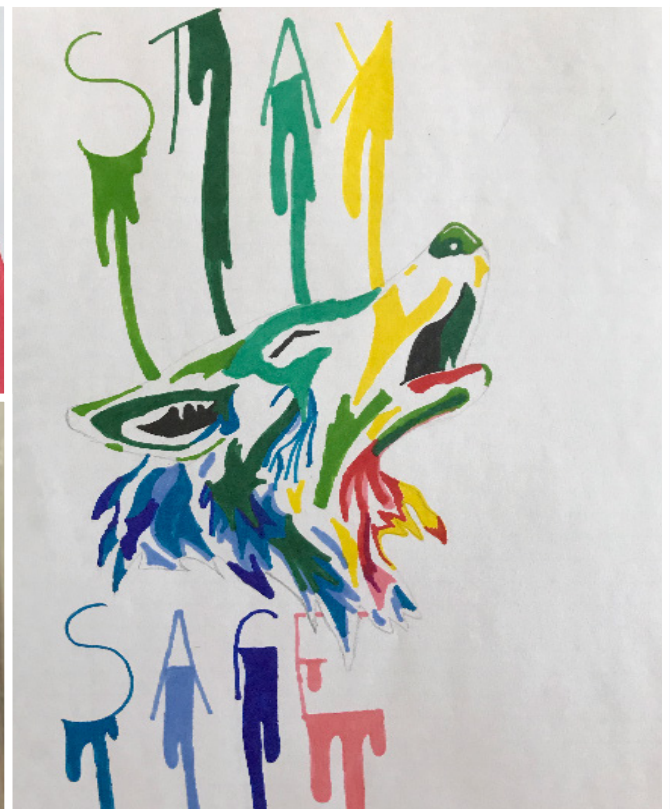
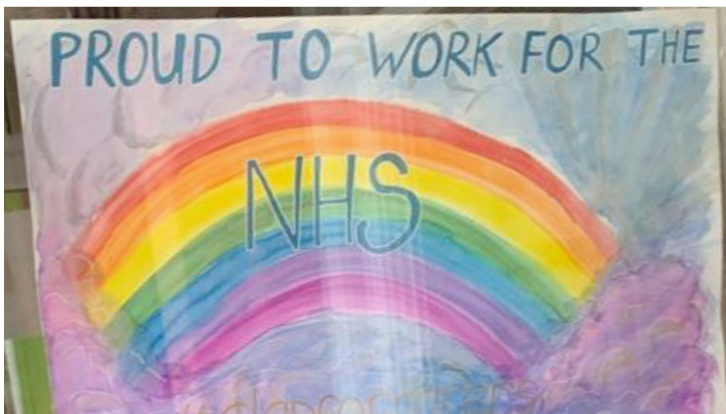
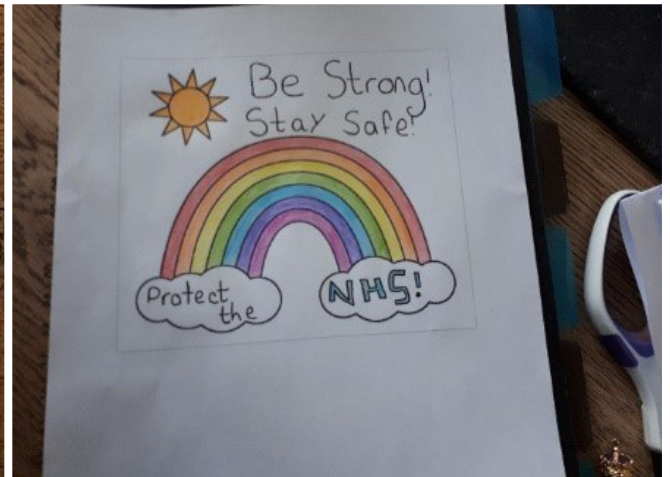


Our students' art work has been phenomenal. For this edition we are showcasing Y10 who have been working on an independent study project finding their own sources of inspiration and just going for it - with fantastic results as you can see. Well done everyone.



# Rainbow Warriors!

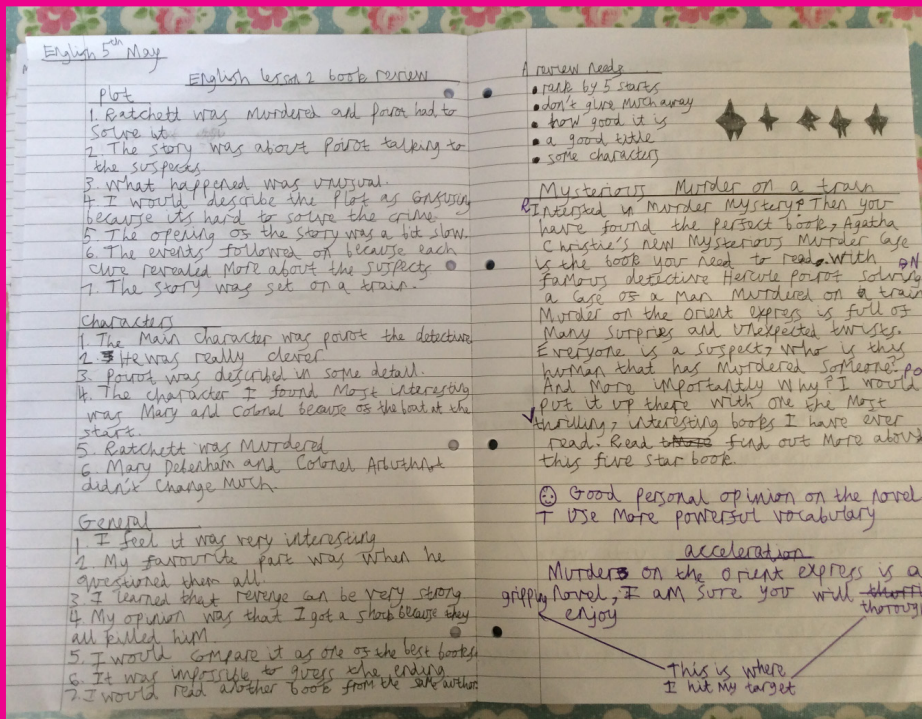
Year 7 have been involved in a Rainbow Spotting Project – combining their evening walks with families with a count up of rainbow designs in the windows around where they live. Well done to our competition winners: Erin Conway with 90, Nathan Gill with 80 and Isabelle Harrison with 59 rainbows spotted. Year 7 have also been creating some of their own designs. Lovely work.





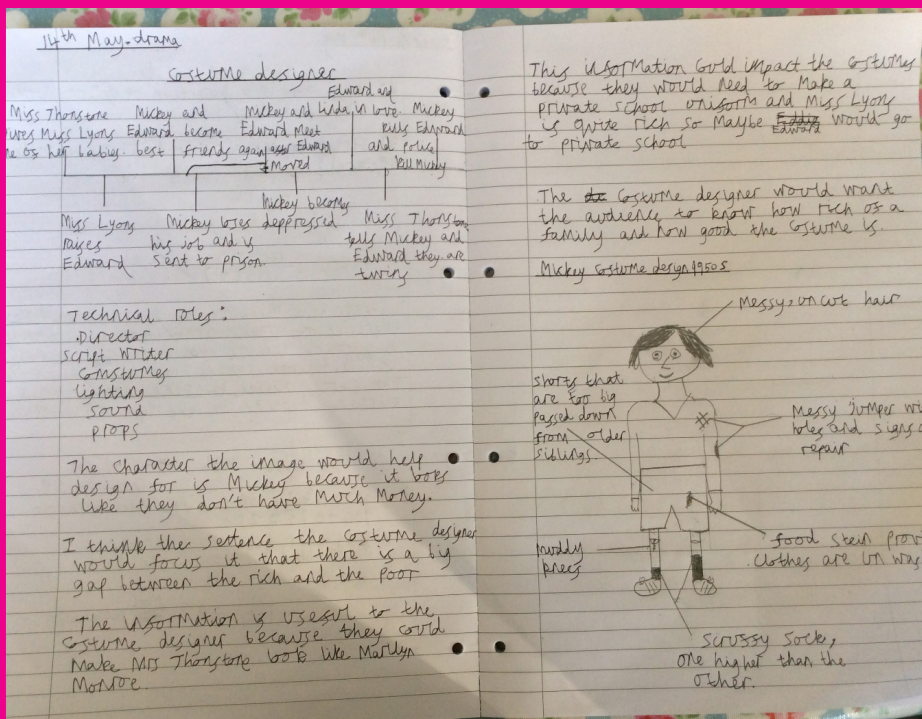
# Excellence in English

Ted Murphy is so typical of our students in terms of the level of effort being put in with so many pieces of work. Students are consistently demonstrating their pride and dedication which is appreciated so much. Standards could not be higher. Ted submitted 5 pieces of work in just one week for English alone for Ms. Ashton plus a fabulous piece of drama work for Miss Batchelor as well. Well done mate!



# Enjoy Harry Potter with a Celebrity Twist!

A great opportunity for our students to hear Harry Potter and the Philosopher's Stone At Home with chapters being read by different celebs including: Daniel Radcliffe, Stephen Fry, David Beckham, Dakota Fanning, Claudia Kim, Noma Dumezweni and Eddie Redmayne. There are also little activities to do. Here's the link. Enjoy! <https://www.wizardingworld.com/collections/harry-potter-at-home>



# James & The Giant Peach is Getting in on the Act as Well!

Also – how about this: Meryl Streep and Benedict Cumberbatch will be among stars narrating James and the Giant Peach to raise funds to help vulnerable countries tackle the Covid-19 crisis. What's not to love?





# National Book Tokens Competition 2020 – Let's All Get Involved!



Ms Rouski is promoting our entry this year with £5K worth of book tokens for our school library up for grabs so it's well worth us all getting stuck in! We need as many nominations as possible before the deadline of 31st July. Simply log onto <https://www.nationalbooktokens.com/schools> and submit a nomination for Wade Deacon. One vote per person – but if you've got 10 in the house – that's 10 votes for us! Please have a go.

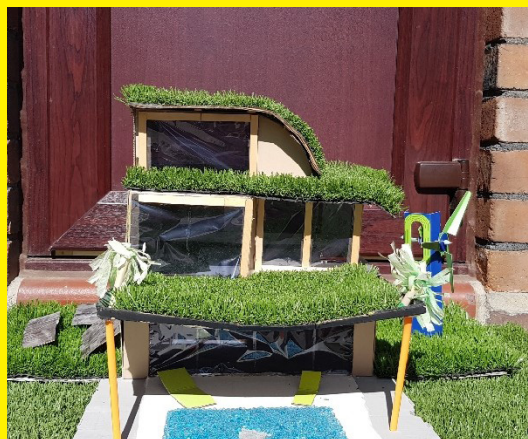
## VE Day Commemorations

It was so very sad that we were not able to commemorate VE Day in the ways we would have liked, but our DT students certainly did their bit to mark the occasion. Mrs Wardale decided to set her Year 7 and 8 DT groups the BBC Great British Bunting Challenge for their D&T Home Learning Task. They were asked to make their own special VE Day 75 Bunting to display in their windows at home. Their inspiration could have been those who fought on the frontline or worked hard on the Homefront, or a celebration of enduring peace or their own personal hero. And just look at the results – fantastic and a huge well done to everyone.



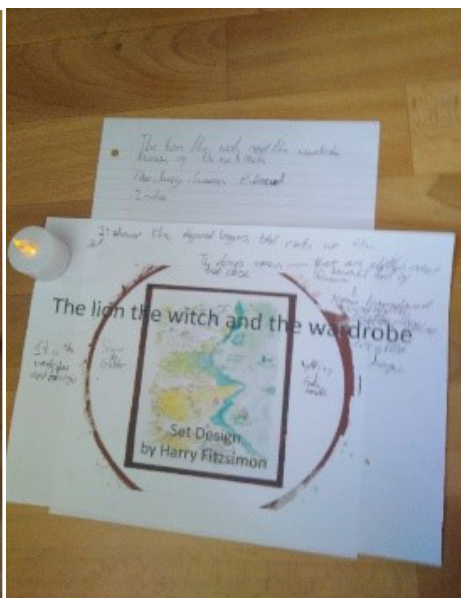
# Who Lives in a House Like This?

Here's a lovely example of a Home Learning Task from Bethany Howard-Hughes in Year 8. This was set by Mrs Evans in Science. Once again, this is typical of the effort that the kids are putting in. They are unbelievable! Students were asked to design an insulated house using a range of materials. This eco-friendly insulated house even has a swimming pool and a kitchen! Incredible effort and pride – wonderful! And we could include so many more just like this.



## Better by Design!

Some lovely work here from one of Ms Batchelor's Year 7 students Harry Fitzsimon who has been so creative here with his stage design for The Lion, The Witch & The Wardrobe. Talk about going above and beyond. Well done, Harry!



## Zombie Apocalypse Challenge Up & Running!

You may recall the challenge that Ms. Fraser set for students as part of her leadership of STEM (Science, Technology, Engineering & Maths). Well the response has been awesome! If jobs existed for Zombie Apocalypse Engineers, then surely many of our students would already be in gainful employment. A huge Well done to all of them. Awesome work – fantastic!

**So, you've cracked the coronavirus.....  
...BUT COULD YOU SURVIVE A ZOMBIE APOCALYPSE?**

**Zombie Apocalypse: Survival STEM**

**Activity 2: Deliverance.**

**Task 1:** Your next door neighbour has used your "spread the word" solution and Morse code communicated back to you to tell you that she has toothache.  
Argghhh nothing worse (except a zombie bite).  
Design a transportation system to deliver 2 paracetamol tablets to her 3metres away via the (none electric carrying) cable that runs between your houses. **BUT** you cannot undo the end of the cable.

Design & Test your design using

- a piece of string or wool to replicate the cable.
- 2 sweets eg smarties, skittles, minstreels to replicate the tablets.

**Task 2**  
Record your results.  
How far can you get it to move?  
Does it make a difference how much the balloon is inflated?  
Can you get more than 2 sweets across?

**Activity 2 Objective:** Pupils will learn to use design and engineering skills to build and test a transportation system.

**CREST:** Take photos of your mission and fill in your passport

**You will need**

- to up-STEM-skill to complete these tasks.
- Perseverance (my old school motto) those zombies don't give up, so you can't either.
- A non-zombie adult supervisor for some tasks...good luck finding one of those during lockdown!

**Not!** You cannot just throw them the zombies might get them or you could lose valuable medication. Try using just these few bits of equipment



# Work Submitted from Harry Fitzsimon 7PAG



Zombie Apocalypse Challenge part 2  
Task 1: Design a transportation system to deliver 2 paracetamol tablets to her 3 metres away via the (none electric carrying) cable that runs between your houses. BUT you cannot undo the end of the cable



## My creations

Stapled on one side and string wrapped around a split pin to it can be put on the string which is already attached on both sides.



String threaded through straw – smoother journey



Easy to attach over the string by just adding the top piece

## My Lego creation



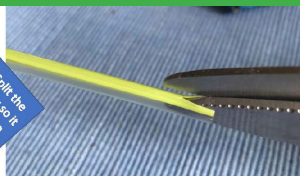
Easy to fasten the pipe cleaner when the string was already tied

## Part of an onion bag and a pipe cleaner

## My creations



Split the straw so it could go over the string that was already tied



How do I get it to move?

# LEGO STEM Challenges



## Research ideas continued

### The Science Part

When you blow up the balloon, you are filling it with gas particles. The gas particles move freely within the balloon and may collide with one another, exerting pressure on the inside of the balloon. As more gas is added to the balloon, the number of gas particles in the balloon increases, as well as the number of collisions. While the force of a single gas particle collision is too small to notice, the total force created by all of the gas particle collisions within the balloon is significant. As the number of collisions within the balloon increases, so does the pressure within the balloon. In addition, the pressure of the gas inside the balloon becomes greater than the air pressure outside of the balloon. When you release the opening of the balloon, gas quickly escapes to equalize the pressure inside with the air pressure outside of the balloon. The escaping air exerts a force on the balloon itself. The balloon pushes back in a manner described by Newton's Third Law of Motion. That opposing force—called thrust, in this case—propels the rocket forward.



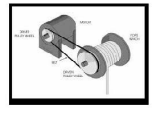
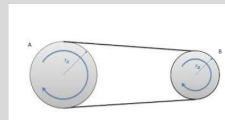
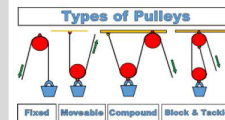
### Balloon rockets - The Method

Tie one end of a string to a chair, doorknob, or other support. Put the other end of the string through a straw. Then pull the string tight, and tie it to another support in the room. Blow up the balloon, and pinch the end of the balloon to keep the air inside. Do not tie the balloon. Tape the balloon to the straw so that the opening of the balloon is horizontal with the ground. You may need two students for this: one to keep the air pinched inside the balloon and the other to tape the balloon to the straw. While holding the balloon opening closed, one student should pull the balloon all the way back to the end of the string (the starting line) so that the balloon opening is against one support. Have another student use the marker to draw a finish line near the other end of the string. Let go of the balloon and watch it move along the string. Then, have students test different methods to transport "cargo" across the string to the finish line.



My sister helped me for this part. Our findings for balloon power We found it really hard to get the balloon to transport any of our designs. It only travelled a few sentences

## Research ideas



Our pulley design was much better – it could travel the full distance smoothly and transport the sweets safely.



Then we ate the sweets!!!





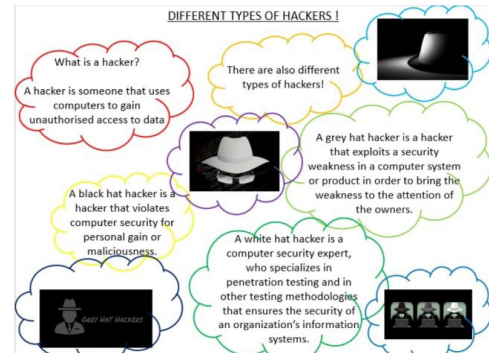
# Computer Science & Business

Miss Terry has sent us some lovely work from our Business and Computer Science students who have been looking at the seedy underworld of computer hacking and network threats, as well as procuring capital for small business start-up. Again – so much effort which is great to see.

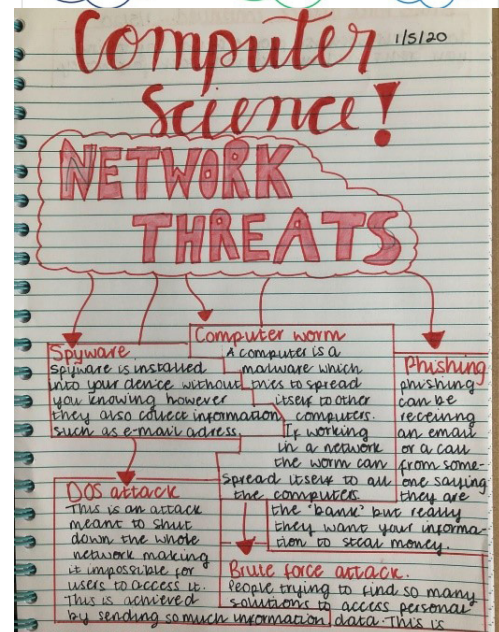
**Hacker**  
A hacker is someone who uses a computer to hack into other computer systems

Black Hat Hacker	Grey hat hacker	White hat hacker
Black hat hacking - these hackers wish to cause damage or gain access to a computer system for criminal activities. They are performing this action illegally and without the consent of the organization who own the computer system they are attempting to gain access to.	Grey hat hacking - these hackers attempt to illegally gain access to a computer without the consent of the owner(s). Once a fault is found, they will report it to the organization in exchange for a fee. If the organization does not pay the fee, the hacker will post the weakness on the internet for other hackers to exploit.	White hat hacking - these hackers want to use their skills for good. They attempt to gain access, finding weaknesses in the system so that potential future attacks can be prevented. White hat hackers have full permission to attempt access to the system and are paid by the organization to perform this service. White hat hacking is completely legal.

**TYPES OF HACKERS:**

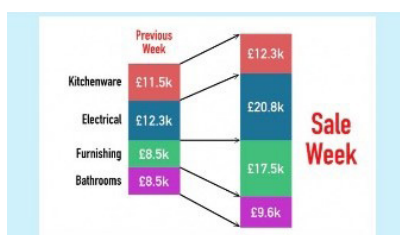
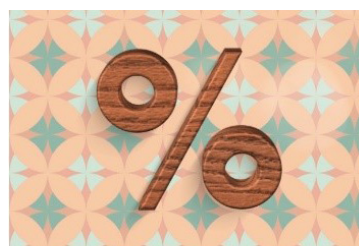


Source of finance	Definition	Advantages	Disadvantages
<b>Short term sources</b>			
Overdraft	This means that short term sources of finance are used to meet the day to day cash requirements of a business. A business will have a current account with the bank and will put in cheques and cash and they will get the money back from the bank.	They are easy to get and the interest rate charged is usually higher than for a loan.	The business will not be able to spend their savings or other money like a loan.
Trade Credit	A supplier might offer trade credit to a customer who must pay the supplier at a later date. The customer can keep the goods and pay for them later.	The business will never run out of products to sell.	The supplier may charge a higher rate for credit arrangements.
<b>Long term sources</b>			
Personal Savings	This means that the funds are raised for a longer period of time, usually more than a year. The owner may have personal savings which they can use to help finance the business.	Easy access to the money through the owner's bank accounts.	The owner will not be able to spend their savings or other money like a loan.
Venture Capital	Venture capital is a loan for a business from a private individual or a bank.	Can bring knowledge to the business to help it expand.	Owners may lose some of the control of the business.
Share Capital	Limited companies can issue shares in return for money to make funds to grow or expand.	Acts as an incentive for staff using shares or share options as a motivational tool.	Shares represent ownership of a business.
Loan	A loan is issued by the bank. The bank may require some security such as a house or business premises.	A medium to long-term business loan can help with all the costs of setting up a business and some interest payments will have to be made.	Each month the business will have to pay back some of the loan and some interest payments will have to be made.
Retained Profit	After a year or more of trading a business may have some money left over which it can use to help it grow.	This is the cheapest method of finance.	It is only available in the first year of trading and the business may not have made any profits to 'retain'.
Crowd Funding	It is the process of raising a small amount of money from many people, usually through the internet.	May be the only way some small businesses can get funding if they have been turned down for a bank loan.	May be a waste of time which could be used to source funds elsewhere e.g. applying for a bank loan.



## Celebrating Numeracy Day

Maths celebrated National Numeracy Day on the 13th with some typically brain - bamboozling activities for the kids to try out.



The chart shows the sales in each department of a store during the week of a sale, compared to the week before. Which department had the biggest percentage increase in sales?

Which is largest: 15% of £80, 80% of £15, or 30% of £40?

15% of £80

80% of £15

All the same

30% of £40

They even created a brilliant video where each member of staff demonstrated how important maths is in relation to everyday tasks in the home. Superb.

<https://youtu.be/DrwpTfaTeYw>

**hegartymaths**

**Our Hegarty Heroes Achieve Top 16 in the World!**

Our students have answered a staggering 338,000 questions in nearly 8600 hours of learning on the Hegarty Maths Programme. That puts us 16th in the whole of Hegarty Maths worldwide. Hardly a surprise really given our students' phenomenal work rate – their brains must be in danger of exploding! Let's keep moving up that league table.

# I've Got a Cunning Plan!

Here's a lovely little resource aimed at helping students to plan their day and establish routines. We hope you find it useful. We all love a good old tick list after all!














## Supporting home learning routines

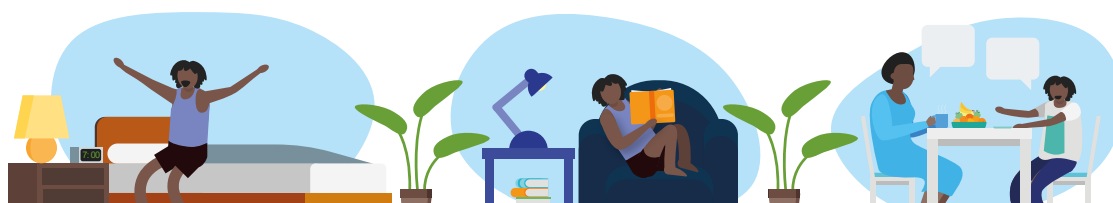
### Planning the day



Consistent routines are important for behaviour and wellbeing in school and our routines at home have changed significantly. Routines support behaviour and you will be finding a new rhythm with your family. You could share this checklist with your child. Talk to them to help them plan their new routines.

The importance of simple approaches as part of a regular routine is key recommendation 4 of the EEF's guidance report [Improving Behaviour in Schools](#)

	M	T	W	T	F
 I woke up at a good time.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I did some exercise.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I had regular meals and drank water.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I enjoyed some reading in a quiet space.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I practised a maths skill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I completed some school work at my work space. I chunked it so I had some breaks too.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I talked to my family about my day and how I am feeling. I asked them about their day.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I helped with a household job and talked to my family while I did it.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I contacted my friends.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 I spent some time on my creative hobby.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 My parent/carer told me what I did well.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 My goal:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 My goal:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



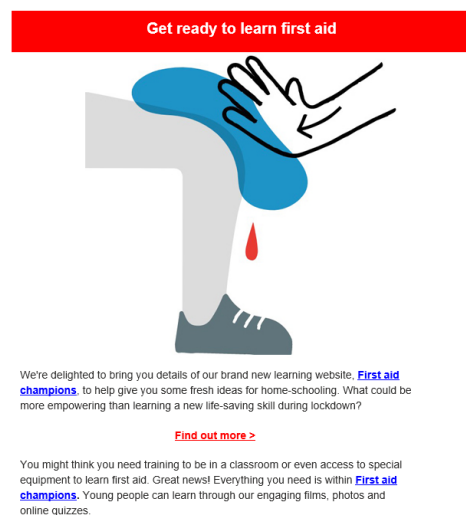


## Calling All Historians!

Mrs Callander has let us know of some fantastic resources available from English Heritage which contain some great activities to keep students and all the family entertained. Take a look at their website which is jam – packed with ideas <https://www.english-heritage.org.uk/learn/teaching-resources/resource-library/>

## Let's All Be First Aid Champs!

Mrs Lappin has informed us of a great new website that offers a free first aid course offered by The British Red Cross. It's natural for us all to feel a little insecure about administering even basic first aid, but this will really help to build confidence with potentially life saving implications. Have a look at The British Red Cross website using this link <https://firstaidchampions.redcross.org.uk/> and good luck!



## An Opportunity to Say Thank You

We celebrate our students work and effort first and foremost, but of course, we have so many teachers working incredibly hard behind the scenes to keep this whole thing going. Thank a Teacher is a great way for students, parents and carers to show their appreciation for our unsung heroes. It's not why we do it – but it's nice to get 'em! Here's the link to the Thank a Teacher website

<https://thankateacher.co.uk/thank-a-teacher/thank-a-teacher-form/>

or why not try this website that allows you to communicate something positive about your teacher online

<https://dedicatedteacher.cambridge.org/letateacherknow/>



## Contact Corner

You can use the school website to get access to services.

Students can download office from office 365.

If you want to access Show My Homework or School Synergy for the first time you will have to use your parent pins and setup your parent account.

Parent pins have been sent home already for both systems. If you have already registered, then you log in with your registered email address and password that you will have set up.

If you have any issues please email: [ictserviceteam@wadedeacon.co.uk](mailto:ictserviceteam@wadedeacon.co.uk)

For any general enquiries please email: [school@wadedeacon.co.uk](mailto:school@wadedeacon.co.uk)

or contact us via telephone on 0151 423 2721. Our lines are open 8:00am - 2:45 pm Monday to Friday.



# Letter of Thanks from the Rebecca Rocks! charity

Rebecca Rocks! is Wade Deacon High School's adopted charity for 2019 / 2020. The charity does exceptional work in helping young people at Robin House Children's Hospice to realise their musical dreams in terms of attending gigs and meeting their idols. We have received a lovely letter from the charity this week thanking our students for all their tremendous fundraising efforts that, of course, are appreciated so much. Here's the letter for you. We are proud to support this wonderful cause and proud, of course, of our students' commitment to it.



*18th May 2020*

*To everyone at Wade Deacon High School,*

*Thank you so much for all your ongoing fundraising efforts for Rebecca Rocks! Mr Perritt has been keeping us updated on all your activities – Year 7 (organised by Ezra Oliver) raised an amazing £275 and we hear there is another fantastic donation of £448 coming from The Change Team in the next few days. This money really does make such a huge difference to the kids and families at Robin House Children's Hospice.*

*Unfortunately, due to Coronavirus, charities all over the world are struggling to fundraise at the moment, making it all the more special when people like you do. We're still hoping to have the annual Rebecca Rocks! Festival at Robin House in September, but it will depend on the lock-down and rules around then as many of the kids need shielded.*

*There is still music in the Hospice though – KT Tunstall did a few songs on Facebook Live for the families last week online, and we are still getting messages from the kids saying what a great time they've had over the last year. Even Andy Murray was hearing all about it from one of the dads earlier in the year at the pantomime!*

*Thank you again for doing something so brilliant – we are SO grateful!*

*Lots of love from,*

*Team Rebecca Rocks!*