



22nd April 2022

Dear Parent/Guardian,

It has been wonderful to welcome the pupils back to school this week after the Easter holidays. It is good to hear from speaking to the pupils that they have managed to have a good rest and a break from school over the two weeks and that they are re-charged for the new term ahead. I hope you all managed to have a restful and peaceful Easter break with your families.

Our final week of the Spring Term saw a mammoth effort to raise funds for the people of Ukraine who have been affected by the current conflict. As well as the non-uniform day there was a huge cake sale and a very well supported raffle which had a first prize of £250. In total we raised £3190.27 which is an amazing effort from everyone involved. Many thanks for your support. As well as this event, and throughout the Spring term, our pupils have been raising money for Water Aid through their contributions of 1p for every reward point they gain in school. In total, pupils were awarded 42,126 reward points which equates to a final total of £421.26 which will be donated to Water Aid. Again, a fantastic achievement.

The breakdown of reward points issued last term is as follows:

Year 7	12269
Year 8	10047
Year 9	7804
Year 10	7696
Year 11	4310

The Year 11 Parents' Evening which was held on Thursday 31st March was a huge success with over 90% attendance on the evening. Pupils, parents and staff were glad to be able to meet face to face to talk about individual progress towards exams which start very soon. Thank you to all parents who attended and for completing the parental questionnaire, the feedback received was overwhelmingly positive.

On the final day of term, we held our half termly rewards assemblies which were a huge success in celebrating the achievements of so many pupils. Mr Bailey hosted the assemblies where nearly 600 certificates were awarded to pupils for their 'Effort' or 'Excellence' in class across all subjects and for recognition from Form Tutors, Heads of Year and the Headteacher prizes.

Attendance continues to be a real focus as we start the summer term. Attendance this week has been 95.1 % which again shows an increase on the final week of last term. Please see the additional notes from Mrs Robinson (Attendance Lead) later in the newsletter about our expectations when your child is absent from school.

You may have noticed that on our school website we now have a 'Latest News' tab on the home page. Our aim is to keep you up to date with the latest events and trips that have been happening in school. If you get a spare five minutes, please take the time to have a look at these news items.

Headteacher: Mr David Botes

We have spoken to all pupils this week in assembly about the importance of 'giving their best' this term, not only in terms of their academic efforts and achievements in class but also in their involvement in the vast array of extra-curricular clubs on offer and their friendships and relationships with each other. I am sure this will be another positive and productive term for all our pupils.

Key dates:

School Closed for Bank Holiday	Monday 2 May
Rewards Assemblies	Friday 27 May
School Closes for Half Term at 3.05pm	Friday 27 May
School Opens	Monday 6 June
School Closes for Summer at 1.00pm	Tuesday 19 July

If you ever have any questions or concerns, please do not hesitate to make contact. My email is botesd@broughtonhigh.co.uk.

Yours sincerely,



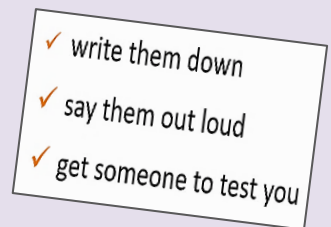
Mr David Botes
Headteacher

Learn it CHALLENGE

Drama

Years 7, 8, 9

1. The word 'theatre' comes from the Greek word '**theatron**' meaning 'seeing place' and the Greek word '**theaomai**' meaning 'to view/observe'.
2. Konstantin Stanislavski was the **Russian theatre practitioner, 1863-1938**.
3. Bertolt Brecht was the **German theatre practitioner, 1898-1956**.
4. Antonin Artaud was the **French theatre practitioner, 1896-1948**.
5. Augusto Boal was the **Brazilian theatre practitioner, 1931-2009**.
6. The name given to Stanislavski's techniques is **The System**.
7. Brecht is famous for **Epic Theatre**.
8. Artaud is famous for **Theatre of Cruelty**.
9. Boal is famous for **Theatre of the Oppressed**.
10. There are **39 theatres** in London's West End Theatre District.



Pupils in Years 7, 8 and 9 will be tested on these  facts during form time next week.

Attendance

Whilst we expect every child to strive for 100% attendance, we accept that this may not always be possible. If there is a time of illness and your child is unable to attend school please can you contact us at school before 10.00am, giving a clear and specific explanation for absence. We cannot accept "unwell" or "will not be in school today" as a reason. If your child will be absent for more than one day, please contact school each day, before 10.00am, to update us. Failure to do this will result in a call from school and maybe a home visit.

We understand that it is not always possible for medical appointments to be arranged outside of school hours and ask that you provide evidence of the appointment and give as much notice as possible. Failure to provide appointment evidence will result in your child receiving an unauthorised absence for the period of time they are out of school.

If you wish to request a leave of absence from school, please complete the appropriate form which can be found on the school website. Each application is treated individually but please note, time off school for holidays will not be authorised and may result in a fine being issued.

Thank you for your continued support

Mrs Robinson

Author Visit

As mentioned in a previous newsletter, we will be welcoming fantastic, award winning children's author **Tom Palmer** to Broughton on Tuesday 26th April to talk to pupils in Years 7 and 8.

The author of 50 books for children, Tom has written many exciting stories about spies, ghosts, planes, rugby, football, running and history! Thank you to all those who have already placed a book order following our letter home; these will be arriving shortly and will be signed on the day of the visit. If anybody still wishes to purchase a book and have it signed by the author, there will be a small selection of books available to buy on the day. Tom has also said he would be happy to sign any of his books your children already have at home should they wish to bring them in.



The Year 7 session will include a football-themed reading game/quiz, so why not take this opportunity to encourage a little extra reading around the topic over the weekend by looking at what's currently going on in the world of football? Our Year 8 talk will be themed around historical fiction.

If you would like to find out more about Tom please do visit his website at www.tompalmer.co.uk where you will find lots more information, book trailers and first chapters of all his books free to read; there is also a display in the library featuring a selection of his books and related activities for pupils to try their hand at.

It should be an entertaining afternoon and will hopefully inspire a few new readers along the way!

Mrs Whitlock

Video Editing Club



Our Video Editing Club started on Thursday 21st April and will be held every Thursday thereafter from 3.10pm - 4.00pm, in ICT1.



Open to all year groups.

Learn how to make various types of edits to make your videos much more interesting perhaps you could eventually start your own YouTube channels with your new skills!

Mr Yasin and James Wilcock.

Internal Assessments

For some subjects, pupils will have end of year assessments. Please see details below; subject teachers will give further information to pupils in due course.

Year 7 w/c 23rd May

Year 8 w/c 6th June

Year 9 w/c 6th June

Year 10 w/c 20th June

Mr Brady



Careers Event - Thursday 31st March

The aim of the event was to help widen pupils' awareness of jobs and careers by inviting into school a number of experts to speak about their organisations, job and career opportunities. On the day, nearly 35 'Experts' came into school and spoke to all of Year 9 and Year 10 pupils, plus some Year 11s, at a 'speed networking' style event. Lots of time, by many Broughton staff, had been invested, along with over 4 hours from the experts whom spoke to the pupils. The outcome was amazing, worth all of the time invested many times over.

The feedback from the pupils themselves was overwhelmingly positive with a general consensus that the event should have been longer so that they could have spoken to all of the 'Experts'. I am not sure the visitors' voices would agree – but one thing I am sure about is that the event is something which should take place again.



James Smith commented that "It was a fun experience and I learnt a lot about possible career options". 145 out of 170 pupils commented that they would be doing some sort of follow up after the event. **Kaitlynn McCann** commented she is going to find out "How I would be able to become self-employed if I wanted to and whether there is anywhere I can go and volunteer". **Alfie Philbin** has decided he "want(s) a job in Engineering" and **Molly Kelly-Barker** is "going to find out about degree apprenticeships".

Is your child in Year 9 or Year 10? Did they take part? What did they find out? We would be grateful if you could complete the parental evaluation form, via the link below which was emailed to you via Synergy before Easter.

[Meet the Expert - Careers Event - Feedback](#)

If your child wishes to make a Careers Appointment to follow up any of the information they received or if they have questions they would like to ask, then an appointment can be made with Paula Askew, our Careers Advisor, via Mrs Dumbell on Pupil Reception in the i-Centre.

Thank you to all the staff in school who supported and helped me with the event, along with all of the 'Experts' for giving up their time. It was particularly nice to see a number of ex-Broughton pupils returning to school in an 'Expert' capacity this year.



We had 'Expert' representatives from the following organisations:

Preston Marriott Hotel, Fleetwood Nautical College, Magic Missile Ltd, LTH/MCH, BAE Systems, Muller Milk and Ingredients, Dentistry by Cure Clinics, Raymond James Ribble Valley, NIS Ltd, Sellafeld Ltd, Forbes Solicitors, Kepak Kirkham, Manchester Shoulder Clinic, Microsoft, Dnata Travel Group, ADR, NHS, HMPPS, Lancashire Constabulary, Juniper Wealth, HM Revenue and Customs, Army Careers.

Mrs Donleavy

Woodplumpton and Catforth Area



Rose Queen



Saturday, 3rd September 2022
Girls in Years 7 and 8

If you are interested, please apply by contacting Diane Stuart
tel: 07507 874408

by Monday 9th May 2022



Police Cadet - Lancashire Constabulary

Police Cadet Applications are open

and will close on

Friday 29th April 2022.

LANCASHIRE POLICE CADET MOTTO – 'LET'S GO CADETS'

Are you aged between 13 – 18 years old and feel motivated by the motto 'Let's Go Cadets'?
If so, a place on the Police Cadet Scheme might be the perfect opportunity for you.

For further details, and information about how to apply, please go to:

<https://joinus.lancashire.police.uk/explore-our-roles/cadets/>

Can you help? Fabric for bunting required!

Year 10 pupils will be making bunting in preparation for the

Queen's Jubilee Broughton Street Party.

If you have any fabric which you could donate to school,

please could it be taken to the Pupil Reception.

Many thanks!

Lancaster University STEM Challenge

On Wednesday, 30th March, a group of fifteen Year 9 pupils went to Lancaster University to participate in a STEM challenge along with six other schools. When we arrived, we were greeted by student ambassadors who specialised in the STEM subjects. For the first half of the day, we participated in designing and overcoming certain structural hurdles. We were given a brief about an island called Lancasteria and were given four challenges to help make the island more suitable for its inhabitants.

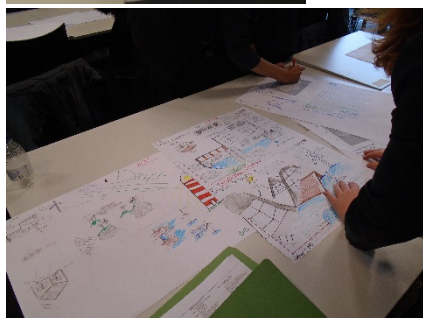
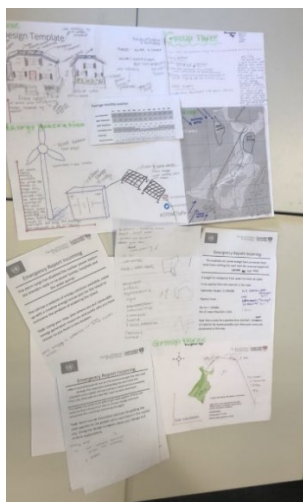
The challenges included designing new infra-structure that could withstand the extreme weather conditions of the island and finding ways to use renewable energy sources. To do this we used skills such as communication, science and geographical skills to determine the course of the wind and the general temperature, we also used teamwork and flexibility in our choices due to the wide variation within our group's ideas. The other two challenges were more mathematically based and we had to use budgeting skills to insure we had enough petrol or pipeline to pass essential resources to the capital city.

The final challenge on calculating distance was the hardest: we had to measure angles and used direction giving skills to calculate the time it would take to get items to the capital city from the port and, think of innovative ways to get these supplies to the capital city as roads were unusable. This tested our ability to work well in a team and use our initiative.

After lunch, we split off into five groups which were: physics, sport and exercise, engineering and maths, chemistry and environment. We were taken to the departments where the third-year University students gave us demonstrations and allowed us to get involved. They also told us in depth about the subject. In physics and chemistry, we experimented with liquid nitrogen; due to its extreme cold temperature, we had to wear protective gear. We learnt about all the different effects it has on the environment. In sports and exercise we learnt how to measure pulse rate from our wrist and painted on our arteries to help locate it. We also measured our blood pressure before and after exercise to see the difference. In environment pupils learnt about food sustainability and how to reduce food wastage. In engineering and maths, they tested their archaeological skills and built a structure using straws and hot glue.

It was a really fun, interesting day and we learnt a lot and got to experience and have an insight to what University is about.

Written by **Fatimah Adam, Chloe Ferreira and Jasmine Hurst**
(Year 9 pupils) who all participated in the day.



Year 9 Football Semi-Final vs Our Lady's - 31st March

Broughton's Year 9 football team played in the Dawson Cup (also known as the Lancashire Cup) semi-final against Our Lady's on Thursday 31st March. The Broughton team were extremely motivated for this fixture, partly for local bragging rights after a 3-2 defeat against the same team earlier in the year in a different competition and partly knowing there was an opportunity to play the final at Deepdale Stadium!

Broughton arrived early and undertook a thorough warm up. As a result, Broughton started brightly with some fast passing and neat attacking play, leading to multiple good chances being squandered before Broughton finally made it 1-0. Our Lady's came storming back with a more direct approach to make it 1-1, before Broughton quickly countered to make it 2-1 going into half time.

Following some words of encouragement, regarding the team's ability and requirement to trust each other more, Broughton began to extend their advantage. Despite the weather taking a nasty cold turn towards the end, Broughton ran out **5-2 winners – a thoroughly deserved win after a solid all-round performance**. More can be extracted from this group, which I'm sure can be shown on the hallowed turf of Deepdale Stadium when the final comes around. Well done to all the pupils involved!

Felix Livesey, Dougie Harmer, Jed Andersen, Harry Bond, Thomas Sharkey, Antonio-Raul Iglesias-Leeming, Pele Smith, Luke Littlechild, Bobby Shorrock, Oskar Kacperski, Henry Woodall, Ben Bradley, Jacob Barker, Sam Jackson.



Mr Nayler

Year 11 Football

Well done to the Year 11 football who have **secured a place at this year's Preston Schools' Cup final, to be played at Deepdale** (the home of Preston North End) on Sunday 8th May. The boys had to overcome the initial hurdle of Our Lady's first in the quarter final; the game was postponed with us being 3-2 up with just 10 minutes to go due to an injury, meaning we had to play the remaining time in a repeat fixture. No surprise that we made it difficult for ourselves, conceding a goal within that time, meaning it went to penalties! **Jacob Barry** quickly became the hero, saving two, before stepping up to take the final penalty himself to win us the game.

We immediately then played the semi-final afterwards against Eden, which thankfully was a less dramatic game, coming out 5-0 winners with goals from **Will Sant, William Sim (2), Harrison Jones-Johnstone** and **James Clark**.

Let's hope we can now get more of our school teams to the final too.



Mr Bailey

Preston Schools' Table Tennis Tournament

On Wednesday 23rd March and Wednesday 30th March, Broughton was the host school for the first round of the u13s and u16s Table Tennis Tournament.

Six teams competed over the two evenings including, Broughton A and B teams, Archbishop Temple A and B teams, Corpus Christi and Our Lady's. There was a breadth of competition and some fantastic performances from all pupils involved across the two evenings. **Both of the Broughton A teams at u13 and u16 finished top of the table and will now compete in a final round** against the winners of the opposing Preston Schools' League. The u13s B team finished 5th and the u16s B team finished 2nd.



Well done to all pupils involved!

Mrs Hough

PE Extra-Curricular Activities

	Lunch- 1.30-2.00pm	After school 3.00-4.00pm
Tuesday	Year 7 and Year 8 Boys' Cricket	All Years Girls' and Boys' Athletics
Wednesday	Year 11 Boys' Basketball	All Years Girls' Cricket All Years Dance All Years Girls' Tennis Year 7 and Year 8 Boys' Cricket
Thursday	Year 9 and Year 10 Boys' Cricket	Year 7 and Year 8 Girls' Rounders Year 9 and Year 10 Boys' Cricket Year 7 and Year 8 Boys' Tennis
Friday		Year 9 and Year 10 Girls' Rounders

Bronze Food Cooking Awards

Well done to the following Year 7 pupils on their achievements.

Year 7: prepared and cooked up to seven dishes at home



Emelia Ash, 7R

Yash Govinde, 7C

Theo Herbert, 7S



Keep on cooking!

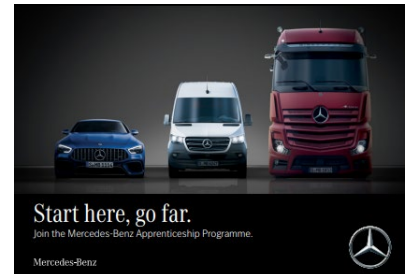
Mrs Newton

Apprenticeship Opportunities

Mercedes-Benz are currently recruiting for apprentices across a variety of roles, in their nationwide network of retailers and dealers. There are vacancies for Light Vehicle and Heavy Vehicle Technicians, Customer Service Experts and Retail Parts Advisors.

If any pupils are interested in doing an apprenticeship, please find further details on the company website <https://mercedes-benztraining.co.uk/mercedes-benz-academy-programme.aspx>. The website also has some hints and tips about writing an application. By entering a home postcode on the website, vacancies can be searched for in the local area and then an application made. Vacancies are constantly changing, with new positions being added regularly. If a pupil is unable to find something in their local area initially, they should be encouraged to check back regularly as new positions may become available.

Apprenticeships are open to pupils who are 16 and over (they must be 16 to start the programme in September, so can apply whilst they are 15), and ideally should have a grade 4 or above in English and Maths at GCSE. Mercedes-Benz do offer functional skills where these grades have not been achieved.



Home Capabili

Early careers

We are passionate about recruiting apprentices and graduates, helping young people take their first step in to engineering and manufacturing.

Early Careers - NIS Ltd Excellence in engineering and manufacturing – powered by pride

From Apprentice Fitter to qualified fitter involved in the assembly and test of a variety of projects in the nuclear and security industries, Jordan swapped the overalls for a shirt to gain greater knowledge of project delivery in 2017.

HR Support Apprenticeship

About Leyland Trucks

Leyland Trucks is the UK's largest commercial vehicle manufacturing business and produces over 16,500 trucks per year from its state-of-the-art facility in Lancashire.

The company is a division of the American corporation PACCAR Inc., which is a global technology leader in the design, manufacture and customer support of high-quality light-, medium- and heavy-duty trucks under the Kenworth, Peterbilt and DAF nameplates. PACCAR also designs and manufactures advanced powertrains, provides financial services and information technology, and distributes truck parts related to its principal business.

Since Leyland Trucks was acquired by PACCAR in 1998, it has become the group's established centre for light and medium truck design, development and manufacture.

Having the right people in the right place, with the right skills, at the right time is essential to our business success and our apprenticeship schemes help ensure we continue to provide market leading product to DAF customers in the UK and around the world.

What We Are Looking For

To apply, you need a minimum of 5 GCSEs at grade 4 or above (A* - C) including Maths and English.

With a keen, demonstrable interest in HR and Business you will be eager to learn and be able to adapt to a changing environment. With the ability to use your own initiative, you will take co-responsibility for your development within the business and help shape your future career.

HR Support Apprenticeship

Supporting over 1,000 employees at our site in Leyland, you will undertake various activities within the HR function as you progress towards your Level 3 qualification in HR Support, underpinned by a CIPD qualification.

This 2 year scheme will provide you with practical experience of HR at Leyland Trucks, with involvement in HR benefits and systems, supporting HR administration, recruitment activities, and training and development.

As this apprenticeship develops you will expand your knowledge and understanding of employment law, company policies and practices, and business in general as you progress towards a career in HR.

Benefits

A competitive starting salary of £15,429 rising during each year of the scheme; 33 days of holiday (which includes statutory holidays); a pension scheme and medical support schemes.



Application Process

Apprentice application forms can be downloaded via the website: www.leylandtrucks.co.uk/en-gb/working-at-leyland-trucks/vacancies and emailed to: Leyland.jobs@PACCAR.com

Closing date - Friday 6th May 2022.

AMSP MATHS FEAST 2022

On Tuesday 29th March 2022, some of our Year 10 pupil attended the 'Advanced Maths Support Programme Maths Feast' held at Blackpool Sixth Form College, accompanied by Mr Church, Miss Cross and Mr Heaney. This is a Maths challenge for Year 10 pupils which tests problem solving and teamwork skills. Teams of four pupils test their Maths skills with a feast of Maths problems. There are several rounds requiring different skills and strategies, all completed under timed conditions.



There were over twenty teams taking part and although we did not finish in the top 3, the two teams entered did exceptionally well. Well done **Allen Asa, Libby Church, Maddie Clements, Phoebe Glynn, Sam Goch, Zayd Kahn, Toby Porter** and **Varsha Saravanan**.

Try Round 3 (attached to this newsletter) ... pupils had to solve the following four problems in a total time of 20 minutes!

MATHS FEAST ROUND 3 - TIME ALLOWED 20 minutes

Problem 1.
 Emma Raducanu is the first player to win a Grand Slam title after qualifying for the main draw when she became the 2021 US Open Women's Singles Champion, at Flushing Meadows in New York.
 There were three rounds of 'knock out' qualifying matches to determine the 16 players who will join the main draw.
 (a) How many players were in the 1st Round of qualifying?
 (b) How many matches were played in the 1st Round of qualifying?
 (c) How many matches were played in the 2nd round of qualifying?
 (d) How many matches were played in the 3rd round of qualifying?
 (e) How many matches were played in total during qualifying?
 There are 128 players in the first round of the main draw, again 'knock out'.
 (f) How many players received direct entry to the main draw?
 (g) How many matches were played in the 1st Round of the main draw?
 (h) How many matches in the 2nd Round of the main draw?
 (i) How many matches were played in total during the main draw?
 (j) How many matches did Emma win in becoming the US Open Champion?

Problem 2.
 (a) Express each of the following numbers as a product of primes:
 154 = 105 = 330 =
 (b) The diagram shows a cuboid with sides of length x cm, y cm and z cm.
 (i) Write down an expression for P , the area of the front face.
 (ii) Write down an expression for Q , the area of the side face.
 (iii) Write down an expression for R , the area of the top face.
 (iv) Write down an expression for V , the volume of the cuboid, in terms of x , y and z .
 (v) Write down an expression for the product of the areas, in terms of x , y and z .
 (vi) Given, $P = 154 \text{ cm}^2$, $Q = 105 \text{ cm}^2$ and $R = 330 \text{ cm}^2$.
 Express V in terms of P , Q and R .
 (vii) Given, $P = 154 \text{ cm}^2$, $Q = 105 \text{ cm}^2$ and $R = 330 \text{ cm}^2$.
 Express V in terms of P , Q and R .

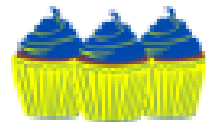
Problem 3.
 A set of 20 numbers has been given a different integer value between 1 and 20 minutes. The numbers have an arithmetic progression, and the numbers are in order of size. Using these clues you will find the numbers.
 A is a cube number
 B is $A + 7$
 C is 3 times the angles in a triangle $3D$
 D is a square number
 E is a multiple of 3 greater than B
 F is 2×10
 G is a multiple of 5
 H is a factor of 20
 I is a prime number
 J is 2×10
 K is a Fibonacci number
 L is $A - 8$
 M is $A - 7$
 N is $A - 2$
 O is $A - 2$
 P is $A - 2$
 Q is $A - 2$
 R is $A - 2$
 S is $A - 2$
 T is $A - 2$
 U is $A - 2$
 V is $A - 2$
 W is $A - 2$
 X is $A - 2$
 Y is $A - 2$
 Z is $A - 2$
 [Each mark for each correct answer. Total 10 marks.]
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
 16 17 18 19 20 21 22 23 24 25

Problem 4.
 Find a 6 digit number using the numbers 1 to 6, and using each number once without repeats. Also find the first digit is a number divisible by 5. The first two digits form a number divisible by 2. The first three digits form a number divisible by 3 and so on until we get a 6 digit number divisible by 6.
 For example, you might try 621035.
 The first digit is divisible by 5.
 The first two digits are divisible by 2.
 The first three digits are divisible by 3.
 The first four digits are divisible by 4.
 The first five digits are divisible by 5.
 The first six digits are divisible by 6.
 My number is 1 2 3 4 5 6 because:
 1 divided by 1 = 1
 12 divided by 2 = 6
 123 divided by 3 = 41
 1234 divided by 4 = 308.5
 12345 divided by 5 = 2469
 123456 divided by 6 = 20576

Problem 5.
 Can you find a 6 digit number (between 100000 and 999999) for some of the clues are missing. Complete the table.
 My number is 6 5 because:
 divided by 1 =
 divided by 2 =
 divided by 3 =
 divided by 4 =
 divided by 5 =
 divided by 6 =

Broughton's fundraising for Ukraine's refugees reaches £3190.27

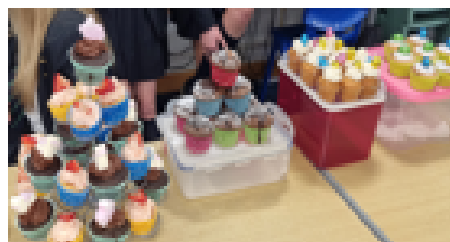
A massive thank you to everyone who supported the various fundraising initiatives to help raise this significant sum which we donated to the Disasters Emergency Committee Ukraine appeal!



Bake Sale



Pupils and teachers generously donated a delicious array of cakes for the bake sale which was run by members of the Pupil Council. The event was widely supported and prizes for the top 3 entries went to Luca Homer (9H), Viki Clark (11N) and Sophie Horner (8S).



Pupil Raffle



Thanks to a generous donation from French bank BNPPARIBAS, pupils could take part in a raffle to win top prizes, with support from a great ticket sales team, consisting of Mrs Dumbell, Mr Starkie, Mr Tomlin, and a formidable pupil participation!



Staff Raffle



A separate Staff raffle was also held.



Non-Uniform Day



Pupils also donated £1 each to take part in a non-uniform day on the last day of term.

A massive THANK YOU to you all for your support!



Mr Tomlin

**CARDINAL
NEWMAN
COLLEGE**

St John Henry
Building

LET'S TALK T-LEVELS EVENT

**T-LEVEL OPEN EVENT AT
CARDINAL NEWMAN COLLEGE**

THURSDAY 5TH MAY 4PM - 7PM

RUNSHAW COLLEGE

We are proud to present our

T-LEVELS Showcase 2022

@ our **Leyland Campus**
5.00 - 7.00pm **Thursday 12 May**

Why will
doing a
T-level give
me an
edge?

Where can
T-levels
take me?

Meet with
real employers
and T-level
experts

- Business Management & Administration
- Engineering: Mechanical
- Digital: Software
- Health: Adult Nursing
- Engineering: Civil

T-LEVELS
THE NEXT LEVEL QUALIFICATION

Register here: runshaw.ac.uk/t-levels-showcase



WORD OF THE WEEK

malleable: adjective

capable of being extended or shaped by hammering or by pressure from rollers.

Example

Lead and tin are **malleable** metals.

Synonyms

pliant, yielding, flexible

Antonym

rigid

SCHOOL SYNERGY



National
Careers
Service

Zoologist

National
Careers
Service®



£21,000-£48,000



38-40 Hours per week on average (evenings, weekends, bank holidays)

You could study for a degree in a subject like, zoology, animal ecology, animal behaviour, conservation.

You'll need a relevant postgraduate qualification like a master's degree or PhD for some jobs, particularly in research.



You'll usually need:

5 GCSEs at grade 4 (C) or above, including English, maths and sometimes a science

at least 2 A levels, including biology, for a degree

a degree in a relevant subject for postgraduate study



0800 100 900

#AskNationalCareers



MATHS FEAST ROUND 3 ... TIME ALLOWED 20 minutes

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(h) How many matches in the 2nd Round of the main draw?

(i) How many matches were played in total during the main draw?

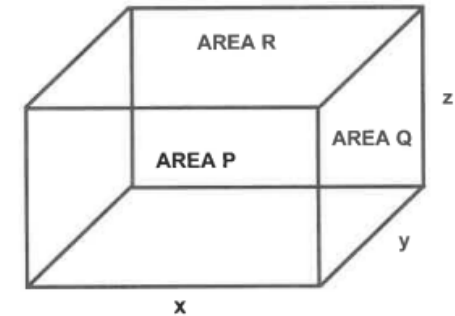
(j) How many matches did Emma win in becoming the US Open Champion?

Problem 2.

(a) Express each of the following numbers as a products of primes:

154 = 105 = 330 =

(b) The diagram shows a cuboid with sides of length x cm, y cm and z cm.



(i) Write down an expression for P, the area of the front face. P =

(ii) Write down an expression for Q, the area of the side face. Q =

(iii) Write down an expression for R, the area of the top face. R =

(iv) Write down an expression for V, the volume of the cuboid, in terms of x , y and z . V =

(v) Write down an expression for the product of the areas, in terms of x , y and z . PQR =

(vi) Express V in terms of P, Q and R. V =

(vii) Given, $P = 154 \text{ cm}^2$, $Q = 105 \text{ cm}^2$ and $R = 330 \text{ cm}^2$, find the volume of the cuboid, in cm^3 . V = cm^3

Problem 3.

20 letters of the alphabet have been given a different integer value between 6 and 25 inclusive. The letters have an arithmetic clue written next to them, which equates to the value of the letter. Using these clues, you must find the correct numerical value of each letter.

A	A is a cube number	A =
B	B = A + 7	B =
C	C = (sum of the angles in a triangle)/D	C =
D	D is a triangle number	D =
E	E is a square number	E =
F	F is a multiple of 3 greater than R	F =
G	G = M + 11	G =
H	H is a multiple of 5	H =
K	K = R/3	K =
L	L < R	L =
M	M is a factor of 30	M =
N	N is a prime number	N =
P	P ² - Q ² = H	P =
Q	Q = P - 1	Q =
R	R is a Fibonacci number	R =
S	S = R - K	S =
T	T > R	T =
W	W > T	W =
X	X = Y - 2	X =
Y	Y - X = 2	Y =

[Half mark for each correct answer Total 10 marks.]

6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25

Problem 4.

Find a six digit number, using the numbers 1 to 6, and using each number once without repeats, such that; the first digit is a number divisible by 1. The first two digits form a number divisible by 2; the first three digits form a number divisible by 3 and so on until we get a six digit number divisible by 6.

For example, you might try 624153.

The first digit 6 is divisible by 1.

The first two digits 62 is divisible by 2.

The first three digits 624 is divisible by 3.

The first four digits is 6241. This is not divisible by 4 so not a solution.

(a)

James has started to solve this problem. His solution and explanation are below. Complete the last three digits of the six digit number to find a correct solution and complete the explanation.

My number is 1 2 3 because:

1 divided by 1 = 1

12 divided by 2 = 6

123 divided by 3 = ...

..... divided by 4 =

..... divided by 5 =

..... divided by 6 =

(b)

Carol has found a second solution presented below, but some of the entries are missing. Complete the solution.

My number is 6 5 ... because:

... divided by 1 = ...

..... divided by 2 =

..... divided by 3 =

..... 6 divided by 4 =

.....65 divided by 5 =

..... divided by 6 =

Parental Controls

Does your child have a game console? If yes, have you set up age-appropriate parental controls? The controls vary across the different consoles, but all will allow you to restrict spending and communication for example.

PlayStation

Set up your account as a family manager and create a separate child account so you can tailor their activities. Find out more here:

<https://www.playstation.com/en-gb/support/account/psn-safety-parents-guide/>

Xbox

You can download an app to manage your child's gaming experience. Find out more here:

<https://www.xbox.com/en-GB/apps/family-settings-app>

Nintendo Switch

Nintendo also offer a free app to monitor what and how your children are playing. Find out more here:

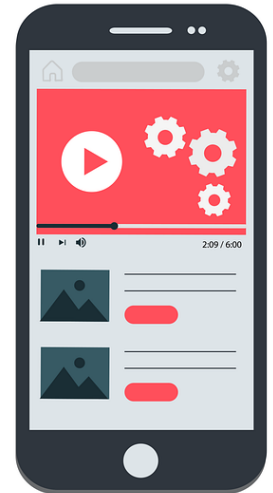
<https://www.nintendo.co.uk/Nintendo-Switch-Family/Nintendo-Switch-Parental-Controls/Nintendo-Switch-Parental-Controls-1183145.html>



Does your child want to be a YouTuber?

YouTube is intended for users over the age of 13, however the App store rates YouTube as 17+ due to the content that can be found on there.

Have you heard of Ryan Kaji? He is the face behind the YouTube channel Ryan's World, which in 2021, earned a staggering £19m!! (Source: <https://www.bbc.co.uk/news/entertainment-arts-59987711>). Lots of YouTube channels centre around children so is it any wonder that many children aspire to have their own channel? How can we support and keep them safe though?



Posting videos

You should be over 13 years of age to post videos on YouTube. Talk to your child about posting videos, do they understand what information they should keep private and what to do if they receive negative comments? YouTube have produced these tips:

<https://support.google.com/youtube/answer/2802244>

Select an appropriate setting for their videos

There are three different settings for videos published on YouTube:

- Public: anyone can view the video
- Private: video can only be viewed by users that you select
- Unlisted: only people who have the link to the video can view it.

Other tips:

- Explore comment settings – comments can be held for review, specific words can be blocked and ensure your child knows how to remove and report comments if necessary:

<https://support.google.com/youtube/answer/9483359>

- Visit your child's channel to see what videos they are posting
- Ensure your child knows how to block and report users if necessary.

How can I make YouTube safer?

- **Turn on Restricted mode** as this restricts the availability of mature content. You will need to set up a Google account to do this.

- **Explore YouTube together** and see what they like to watch. Make sure your child understands that they can **talk to you** if they see anything that makes them feel uncomfortable online.

- Ensure your child knows how to **report inappropriate content**.

What's in the news?

Children may come across news that upsets them, worries them, or makes them feel anxious. Newsround have produced this article which you can share and read with your child providing them with tips about what to do if they are feeling sad about the news:

- <https://www.bbc.co.uk/newsround/13865002>

How can I support my child?

The following two articles provide advice on how to help your child cope with the media coverage of traumatic events, for example the current news around Russia invading Ukraine:

- <https://www.parents.parentzone.org.uk/morearticles/helping-your-child-cope-with-media-coverage-of-traumatic-events>
- <https://www.childline.org.uk/get-involved/articles/worrying-about-russia-ukraine/>

Real or Fake?

A lot of children see or hear news updates from social media or via friends so it's important that we talk to them about fake news and provide them with the skills to help them distinguish between real or fake news. So how do we get them to critically think about what they are reading? Here are some tips:

- Check the source (who wrote it).
- When was it written? Is it based on an old story?
- Is it on a reputable news site, for example Newsround?
- You can also use 'fact checker' sites such as <https://fullfact.org/> to see if the news item has already been fact checked and linked to a credible source.

Further information

- <https://www.bbc.co.uk/bitesize/articles/zmvdd6f>
- <https://www.internetmatters.org/resources/tackling-fake-news-misinformation-advice-for-parents/>

Talking about Online Safety



The NSPCC provide fantastic advice on how to start conversations about Online Safety with your child, where to get further support and how to be a good digital role model.

This site also includes Online safety family resources such as a family quiz, which is a great way to start conversations with your child whilst making it fun!

<https://www.nspcc.org.uk/keeping-children-safe/online-safety/talking-child-online-safety>

Apps for learning and having fun!

BBC Bitesize - GCSE, Nationals & Highers Revision (app or web)

Aimed at 14-16 year olds studying for their exams.



eQuoo: Emotional Fitness Game (12+) Free with in app purchases

Interactive game that builds resilience, helps you learn skills to deal with emotional stress and boosts people skills.



Duolingo - Language Lessons (4+)

Learn a new language or your child can practice what they're learning in school.

This app is free although a paid subscription is available for further functionality and no ads.



True or False Chemistry

Game to help you memorise the Periodic table – how many can you get? Free or 89p for Ad free version.

Online gaming at home

This is a useful video to watch from Andy Robertson (Editor of Ask About Games): <https://www.askaboutgames.com/news/askaboutgames-on-the-road-parent-club-advice>

As with all apps, check their suitability for your child before they use it. Think about if it is appropriately aged for your child and how the app uses your data for example?