

### Primary Phase

Leahurst Road

Hither Green

SE13 5HZ

Tel: 0208 325 4551

### Secondary Phase

Taunton Road

Lee

SE12 8PD

Tel: 0208 852 3191

### Website

Trinitylewisham.org

### Executive Headteacher

Mr. David Lucas



## Dear Trinitarians

Welcome back everyone – I hope you managed to have some rest over the half term period. You will have seen this week was full of different announcements about coming out of lockdown and how the exams are going to look this year. This week we have been working hard to ensure our risk assessment is adapted, consulting on arrangements and pulling together our final plans. We are very excited about pupils returning to school from the 8<sup>th</sup> of March – we do have to make sure their return is safe though and you will receive specific letters explaining the specifics before your son / daughter does come back formally. Please look out for these letters.

The organisation and arrangements around the site are very similar to September for pupils, please do put your children's mind at ease. They will still be in year group bubbles and the expectation of hand sanitation will of course continue. It is vital we ask you to follow the national information and attached is a key letter from the Metropolitan Police reinforcing the need for pupils to come straight to school at the start of the day and straight home at the end. They should not be going to shops or waiting for friends. National Lockdown is still in place from the 8<sup>th</sup> of March. This is also important for parents – if you are picking up your children it is vital that you keep your distance from each other families and wear face coverings. As a school we will also still be running meetings with parents remotely until further notice. We need to keep the community safe – and this is only achieved if we are all working together and we are all vigilant.

We also need to ask you to keep children at home if they are ill and seek a test straight away if they have COVID symptoms. No member of our school community should come into the school if they have COVID symptoms or someone in their house has COVID symptoms. If in doubt seek a test. If another member of your household is ill with COVID 19 symptoms then you should also all stay at home until you get a test and only return if the test is negative or if positive return after 10 days. Do keep us informed throughout. This again keeps the school community a safe place.

Across both sites the staff will be having a Lateral Flow Test twice a week. This identifies asymptomatic COVID cases, people carrying the virus without having any of the symptoms. By doing these tests we are again protecting our community. Within the secondary phase we will be testing all the pupils with consent on their return to school. They will get 3 tests within school and then provided with packs to take home to continue the Lateral Flow Tests for the immediate future. It is vital we do all we can to keep our whole community safe. To enable us to test all the secondary pupils on their return we do have to have a gradual return of pupils from the 8<sup>th</sup> of March. There will be no Key Worker Provision this week as we will have to secure our separate bubbles within the school, but we have created a plan with a day turn around for each year group. See the grid below to see which day the pupils will be returning, and when they will be getting their Lateral Flow Test.

To help prevent the spread of COVID 19 the government has also changed its expectations of mask wearing within schools. For primary pupils this does not change to what it was like in September. For secondary there is now an expectation that pupils will be wearing masks whilst in the building throughout the day – even during lessons. This is a change. Pupils will therefore be expected to come to school with their own masks, and must wear them at all times. As they do get wet and damp whilst wearing them we suggest they have at least 3 with them, so they can change them throughout the day. If they break or there is a problem the school will have spares, but we do expect pupils to have their own stock. They will be allowed to take them off when outside and when eating. We have changed our spaces to ensure all year groups will be able to be outside during break and lunchtime each day so that they do get time without the mask on. We do have pupils who are exempt from wearing masks due to medical reasons, these have been issued a laminated card that they will be expected to wear on a lanyard – making it clear for all to see. Wearing masks does reduce the risk of COVID 19 and the government has said they would review this at Easter.

# BACK TO SCHOOL GRID

	Monday 8 <sup>th</sup> March	Tuesday 9 <sup>th</sup> March	Wednesday 10 <sup>th</sup> March	Thursday 11 <sup>th</sup> March	Friday 12 <sup>th</sup> March	Monday 15 <sup>th</sup> March	Tuesday 16 <sup>th</sup> March	Wednesday 17 <sup>th</sup> March	Thursday 18 <sup>th</sup> March	Friday 19 <sup>th</sup> March	Monday 22 <sup>nd</sup> March
<b>Year R to 6</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Year 11</b>	✓ 1+	✓	✓	✓ 2+	✓	✓	✓ 3+	✓	✓	✓	✓
<b>Year 7</b>	Remote learning	✓ 1+	✓	✓	✓ 2+	✓	✓	✓ 3+	✓	✓	✓
<b>Year 10</b>	Remote learning	Remote learning	✓ 1+	✓	✓	✓ 2+	✓	✓	✓ 3+	✓	✓
<b>Year 8</b>	Remote learning	Remote learning	Remote learning	✓ 1+	✓	✓	✓ 2+	✓	✓	✓ 3+	✓
<b>Year 9</b>	Remote learning	Remote learning	Remote learning	Remote learning	✓ 1+	✓	✓	✓ 2+	✓	✓	✓ 3+

✓ = in school

+ = Test (1, 2 and 3 are the test number – government expectation is 3 tests on return)

All first tests will be carried out in the morning before they go to lessons. Second and third tests will involve pupils being taken out of class to have these tests carried out.

To help prevent the spread of COVID 19 the government has also changed its expectations of mask wearing within schools. For primary pupils this does not change to what it was like in September. For secondary there is now an expectation that pupils will be wearing masks whilst in the building throughout the day – even during lessons. This is a change. Pupils will therefore be expected to come to school with masks, and must wear them at all times. As they do get wet and damp whilst wearing them we suggest they have at least 3 with them, so they can change them throughout the day. If they break or there is a problem the school will have spares, but we do expect pupils to have their own stock. They will be allowed to take them off when outside and when eating. We have changed our spaces to ensure all year groups will be able to be outside during break and lunchtime each day so that they do get time without the mask on.

This newsletter does have a lot of information within it. Please do take the time to read it. We have put in more details with regards to year 11 and exam grades this year. We have created a system to this newsletter does have a lot of information within it. Please do take the time to read it. We have put in more details with regards to year 11 and exam grades this year. We have created a system to ensure we are transparent in our process and that pupils get many opportunities to provide the school with the evidence it needs to secure them the grade that will support them in their application for post 16 places. This started at Christmas with detailed letters being sent to our year 11 pupils and regular engagement trackers indicating the grades they are currently working at. This will all form the evidence base for the grades that will eventually be given.

Finally can I thank you for all your continued support and kind words. Teachers are preparing for the return of pupils, which is why we changed our INSET day. We want to ensure we all return and fit immediately back into the flow of learning in school. This Wednesday coming is therefore an INSET day, but not an additional one, we have moved the one from April to this date. When we return from Easter it will be a full school day. Stay safe this week and look out for a more detailed letter of instruction ready for your child's return.

DAVID LUCAS

Executive Headteacher  
Trinity Church of England School,  
Lewisham  
An All-Through School  
020 88523191  
[www.trinitylewisham.org](http://www.trinitylewisham.org)

LEARNING - LOVING - LIVING

# Dear Trinity families,

We are all extremely heartened by the Government announcements made on Monday regarding primary age pupils' return to school.

On the 8<sup>th</sup> March, we will warmly welcome back all pupils to our primary site. The school day will follow many of the same procedures we had in place between September and December so pupils will feel comfortable and know what to expect.

A reminder of school timings; gates to be used; and any changes we have made in light of government guidance will be sent out next week.

A reminder to all families that Wednesday next week is an INSET day. This means that school will be closed to all pupils, including critical workers. There will also be no live meets for those at home. This is to ensure that all staff have received training and are ready for our pupils' safe return.

A big thank you to Miss Moule and Mr Weddell for organising LGBTQI+ week activities this week. They were all age appropriate and in line with our inclusive ethos as a Church of England school. A big thank you to parents for their support in these sessions and pupils' learning.

Next week we will be celebrating World Book Day. Please see a poster for this further into our newsletter. We have decided to keep this date in line with the national date to keep in line with safety measures upon pupils' return.

We cannot emphasise enough how glad we are that children will be back on the 8<sup>th</sup> March.

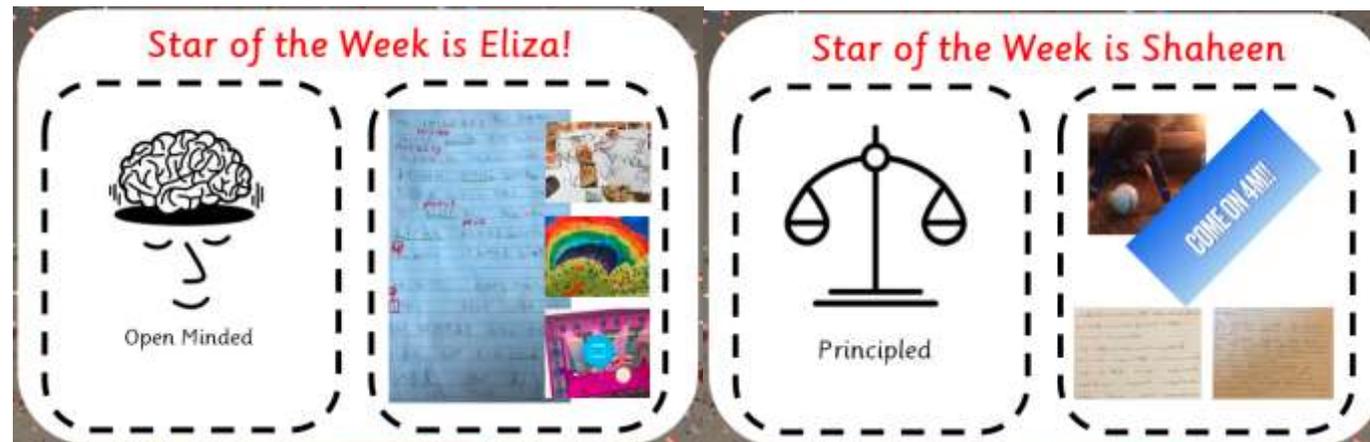
Keep reading with your child, giving them your time and loving them. I look forward to seeing you and your children soon.



Head of School, Primary  
Trinity All Through School

## CELEBRATION WORSHIP — SPOTLIGHT ON TWO STARS

Congratulations to all badge winners this week. Our two spotlighted winners this week are Eliza from 1K and Shaheen from 4M.



Head of School  
Primary

Mr. Darren  
Janes

WORLD  
**BOOK  
DAY**  
4 MARCH 2021

# WORLD BOOK DAY

Changing lives through a love of books and shared reading.

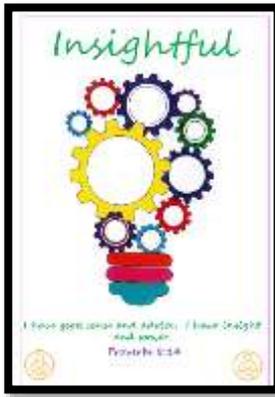
Join us on **Thursday the 4th of March** for our remote World Book Day! Reading is a passion here at Trinity so just like every year, we will be sharing a book as a whole school and using this to inspire us throughout the day.

### Trinity Primary World Book Day Rules:

1. Come dressed as your favourite book character.
2. Join our KS1 and KS2 Assemblies where we will read an amazing book all together.
3. Complete as many of Miss Apsey's World Book Day Challenges as you can on the day!

# IT'S WORLD BOOK DAY!





Welcome back Trinity family, the beginning of half term once again is unusual, with the uncertainty that surrounds us but in the season of Lent, it is important to take this opportunity to remember Jesus's fasting in the desert. It is a time of giving things up and a test of self-discipline. This half term our focus is on the theme of insightful for the first 3 weeks, we will be looking at what it means to be insightful, how insight can be developed but also how God provides us with insight and how we can gain insight from the world around us.

*Our memory verse is "I have good sense and advice, I have insight and power"*



This week we began our #liveent campaign. Each week Trinity pupils and families will be sharing in the Lenten journey. There is a daily reading, reflection and prayer which is shared with our Trinity family. It would be great if you could get involved with as many of the challenges as possible. I have attached week 2 below (W/C 1<sup>ST</sup> March). It has been great to see many of the challenges completed this week. You can see below the great work of year 1 and— a huge thank you to Ms Adams and year 1 who made their sheep and completed the Lost Sheep parable activity. Year 9 with Ms. Diricci and primary Trinitarians Leo and Millie made some great emoji stories. You can see examples below.

## Week 2: Stories of Transformation

Monday 1 March	<b>Go Home and Tell</b>	Mark 5:1-20	"Go tell it on the mountain" is a song about telling the good news of Jesus. Either sing it together or do an internet search and listen to it together. Try making up some extra verses to tell more of the story of Jesus.
Tuesday 2 March	<b>The Power of a Personal Story</b>	Acts 4:1-22	Ask one of your church leaders (or youth group leader) to tell you the story of how they knew God wanted them to do what they are doing.
Wednesday 3 March	<b>Sharing Our Story</b>	John 4:1-42	A cross reminds Christians of Jesus. Have a "Cross hunt" around your home. How many can you find? If there aren't any, make or draw one and place it where everyone can see. You could use twigs, pipe-cleaners, construction toys or tear one out of paper.
Thursday 4 March	<b>Attentive Listening</b>	Acts 17:16-34	St Paul loved telling people about Jesus. Who tells you the stories of Jesus? (It might be someone at church, or school, a member of your family or a friend.) Send them a card or text to say "Thank you".
Friday 5 March	<b>Be Prepared</b>	1 Peter 3:13-16	Find the hymn "Amazing Grace" in a hymn book or online. John Newton wrote it to tell people about the difference being a Christian made to him. What difference does following Jesus make for you and your family?
Weekend 6-7 March	<b>Living Your Story</b>	1 Thessalonians 2:4-8	Do something loving or kind for someone this weekend as a way of sharing Jesus' love.

**What does insight mean to you and your family?**



Here is what insight means to Jasmine, one of our Trinity pupils

Although we have now finished focusing on our theme of resilience it is important to remember we should be trying to always be resilient. Amelia has done a lovely reflective piece on resilience.



Cutting out their sheep ready to hunt them down after Ms Adams hid them



# All Parents

The importance of  
keeping our pupils and  
families safe.

Pupils travelling to  
school

**MUST**

still follow the social  
distancing guidelines,  
wear their masks and  
refrain from group  
gatherings with their  
friends.

Police will be  
Monitoring and issuing  
fines to parents



Dear Parent/Guardian

The Metropolitan Police Safer Schools Team based at Lewisham Police Station are asking parents/guardians to support the police by encouraging their children to not breach current government COVID restrictions before and after school. This is for the protection of themselves and others during this global pandemic.

Safer Schools police officers will be patrolling before and after school in the Lewisham High Street, Forest Hill, Deptford/New Cross and Catford Broadway areas to enforce any breaches of COVID-19 restrictions. We will be engaging with any groups and encouraging them to leave the area and explain to them the importance of social distancing.

If a student is seen to breach COVID-19 restrictions, officers will contact the student's school for appropriate sanctions to be taken, in line with the Education Act. Should the advice be ignored and public safety is compromised, officers have the option to take enforcement action. This includes the option to issue fixed penalty notices to parents or guardians of children who are not following the rules.

Current regulations can be found at [www.legislation.gov.uk](http://www.legislation.gov.uk).

We would ask parents and guardians to take the practical steps to check the current position and ensure your child is not committing an offence by breaching COVID-19 restrictions.

We all need to continue to do our part to prevent the spread of the virus.

Yours faithfully

PS Aaron King

Lewisham Safer Schools Partnership



**PLEASE NOTE CHANGE OF DATE  
FOR PUBLISHED INSET DAY  
PRIMARY & SECONDARY**

**Trinity's published inset date  
was set down for the  
19<sup>th</sup> April 2021.**

**This has now been changed to  
3<sup>rd</sup> March 2021**

**(School will not have restarted on this date)**

**Normal school attendance will  
now take place on  
19<sup>th</sup> April 2020**

# How GCSEs, AS and A levels will be awarded in summer 2021

## Working out your grade



Graded by teacher judgement



Not graded by an algorithm



School and college assessments can continue



You'll only be assessed on what you've been taught



Your teacher will tell you what evidence is used to grade you



Private candidates to work with a school, college or exam centre to provide evidence for them to be graded

## Evidence



Mocks, tests and work already done can be used as evidence



Non-exam assessment should continue



Non-exam assessments can be used as evidence even if incomplete



Art & design grade based only on your portfolio



Teachers can use question banks provided by exam boards if they want to



Results will be based on completed and future work, so keep doing your best

## Results and appeals



### Results days

AS and A level 10 August  
GCSE 12 August



If you're unhappy with your grade, you can appeal it. First step is to submit an appeal to your school or college.

You can find out more details from your school, college or exam board, or by visiting the Ofqual website



[www.gov.uk/ofqual](http://www.gov.uk/ofqual)



## **AWARDING OF GCSE GRADES** **SUMMER 2021**

As you will have seen in the press this week, the Department for Education & Ofqual (the regulatory body for exams) announced their plans for how GCSE & A Level grades should be awarded to pupils this year in lieu of examinations. The full document can be read here but I wanted to update parents and pupils in Year 11 on the plans we have at Trinity to ensure that every pupil has the opportunity to achieve the grades they have the potential for.

<https://www.gov.uk/government/publications/awarding-qualifications-in-summer-2021/awarding-qualifications-in-summer-2021>

In January 2021 when I last wrote to Year 11 parents & pupils we already knew that qualifications would be awarded on the basis of some form of teacher assessed grade which was evidenced through the submission of pupil work. This has now been confirmed and the range of evidence that teachers can draw upon to inform their judgements of pupil grades includes –

1. pupil work produced in response to assessment materials provided by the exam board, including groups of questions, past papers or similar materials such as practice or sample papers
2. pupil work produced in centre-devised tasks that reflect the specification, that follow the same format as exam board materials and have been marked in a way that reflects exam board mark schemes - this can include:
  - substantial class or homework (including those that took place during remote learning)
  - internal tests taken by pupils
  - mock exams taken over the course of study
3. records of each pupil's progress and performance over the course of study.

As you may know, we had begun from 25<sup>th</sup> January 2021 a fortnightly remote assessment cycle to collect exactly this type of evidence about the performance of Year 11 whilst working at home. This assessment cycle will now revert to being undertaken in school when we open fully to all pupils from 8<sup>th</sup> March. This means that face-to-face teaching can resume which we are all hugely looking forward to and that the planned next set of full exams can be taken in school in the week commencing 15<sup>th</sup> March. An exam timetable will be sent out shortly to Year 11 pupils. I would once again emphasise that the results from the ongoing assessment cycle will form the foundation for the evidence teachers will use to determine overall subject grades over time for pupils. It is vitally important that your child actively engages with the assessments for each subject so they are enabled to demonstrate their knowledge, understanding & skills.

Exam boards will publish guidance in March, so teachers have a clear understanding of how to make fair and consistent judgements. The exam boards will provide assessment materials at the end of March. These questions will be provided with mark schemes, exemplar responses and data on past performance where available, to assist teachers in making fair and consistent judgements of the standard of a pupil's performance. We hope these assessment materials will be released in time for us to use alongside the wealth of materials staff can already access.

You will also know that we have been using for all year groups and weekly for Year 11 "Engagement Tracker" reports– these are to keep you informed and aware of how well your child is participating in online virtual lessons, if they are completing class & homework, are punctual to the lesson and their overall performance. We will be continuing with these reports for Year 11 in order to use them as one of the pieces of evidence we consider for grade allocation. We will also be using the engagement tracker reports as reference documents for 6<sup>th</sup> form reference requests.

The final submission dates to the exam boards is 18<sup>th</sup> June with GCSE results day nominated as August 12<sup>th</sup>. Exam boards will complete checks of the evidence for a sample of pupil grades in a sample of subjects, in a sample of schools and colleges over June and July. Exam boards will decide whether the grades determined by the centre following quality assurance are a reasonable exercise of academic judgement of the pupils' demonstrated performance. Exam boards will not re-mark the pupil's evidence or give an alternative grade. Grades would only be changed by the board if they are not satisfied with the outcome of an investigation.

So now that we have some clarity around the process schools are expected to undertake to award grades and are confident that we have been doing this properly and a date for the return of pupils to school it only leaves me to say that I would like to sincerely thank you again for all your help & support in together doing all we can to alleviate pupils concerns around their GCSE grades and Post-16 provision. It is crucial that just like last year, the most important thing is that Year 11 pupils remain positive, optimistic and continue to study to make sure that they are awarded grades that they can be proud of. Please do contact Ms. Clarke or myself should you have any further questions and we look forward to Year 11 back in school.

Rhona McLaughlin  
Deputy Headteacher - Curriculum

You can find out more  
details from your school,  
college or exam board, or by  
visiting the Ofqual website



[www.gov.uk/ofqual](http://www.gov.uk/ofqual)

Dear Trinity Family;

On Tuesday 23<sup>rd</sup> February, we had an exciting event for some of our students. They participated in a BBC **Sport** webinar with reporters, commentators and producers. It was part of the Digital Cities Virtual program to discuss different careers, in this case, sport journalism.

You may have heard of commentators **John Murray**, **Seb Hutchinson** and **Sarah Orchard**. The webinar was a great opportunity for young people to hear from the experts and ask questions about the skills they need if they want to work in sport.

You can find below the feedback of some of our students.

Kind regards,

*Mr Cruz*



Participating in the BBC Sports webinar zoom call was an interesting experience for me because it taught me how BBC Sports use the most trending things in their own way, so they can show it to the younger audience. The digital producer, Chris, mentioned how they publish information around the world, by the use of social media. He explained that the internet is the best place to post all your ideas for people to see it. Also, it made me think how interesting sports journalism is, as I kind of had no interest before the zoom call. It showed that using other platforms to presents it is not only good, but for the younger generation like myself to be inspired by it. Overall, this was good opportunity from my teacher for me to learn that there more about sports journalism and how it can present in ways that is not complicated.

Kishan Alagaratnam (Y10)



On Tuesday 23<sup>rd</sup> February, I participated in a careers event organised by the BBC YOUNG REPORTER SCHEME. I have aspirations of becoming a professional player and also a sports journalist. There was a full day of three key webinars from 10am – 2.45pm. The first webinar detailed how to become a sports reporter. There was advice on the actual steps you can consider and the qualifications required to pursue your dreams. Lauren Moore from BBC sports, was one of the guest panelists and started her career from being involved in the young reporter scheme at her secondary school. Lauren confirmed that there are many women working in the BBC but for a long time it was a male dominated industry. You could use the chat function to pose questions directly. I posed a question which was selected and it also went on to open a debate about creative ideas and IP.

The second webinar covered the Six Nations Rugby Tournament. The BBC Sports Commentators, also work on Match of the Day and BBC Five they predominantly use their voices only, from time to time they may appear in front of the camera so must be prepared at all times for any eventuality. They retold stories about World cup commentating and working alongside international journalists. It is very important to look after your voice as a commentator. We were encouraged to write about subjects we liked and to read varied literature. {This segment was covered by BBC journalists John Murray, Seb Hutchinson and Sara Orchard}

The final webinar covered BBC digital storytelling, social media, music and visual effects. Digital producer, Chris Pugh explained why social media and video journalism is so important for BBC Sports. He showed examples of TikTok, Instagram and Snapchat by explaining how you adapt stories for different social media sites and audiences. I have attended many webinars and this was by far one of the very best online events. The language was very easy to understand and he went into greater depth about his job role and why he is happy creating content for us to enjoy.

Sport has a magical way of uniting people locally, nationally and internationally. Physical movement is great for your mental health and wellbeing.

This undoubtedly was one of the finest career advice days, I have a greater understanding of how to achieve what I want to become.

Emmerson Sutton (Y9)  
House Captain – Gabriel

# BINGO – HALF TERM CHALLENGE

Congratulations

to

Moses Barker

YEAR 8

who successfully completed the Half Term BINGO challenges.



Moses Barker wrote

'I went on a walk from hither Green to Greenwich, I wrote a letter and posted it to my grandma, I tried a bit of yoga, I played a boardgame (the game of life:Simpson edition), I did some gardening (repotted plants) , I read a book and wrote a review (Harry Potter and the philophopus stone), I watched and wrote a review for the film: Wonder, I visited a virtual aquarium and wrote a review.'

What a Terrific Trinitarian – Living Life in all its fullness!



## Green Chain Interactive Map

From the riverside at Thamesmead, Erith and the Thames Barrier to Crystal Palace Park and Dulwich Park

A network of footpaths link together many of the open spaces in South East London. This is one of the city's strategic walks within the capital and it also links with other paths to create the Capital Ring – a continuous circular walk around London within 10 miles of Big Ben.



# Weekly Step Challenge...

resumes



## Weekly activity – House Step Challenge:

House members completing minimum of 5000 steps a day can submit a picture of their watch or mobile phone with the step count, however, it must contain the date of the achievement. The number of steps will be counted and added together. House with the best average (total number of steps divided by numbers of house members) will win the challenge.



### Evidence:

Upload a picture as evidence to your House Teams, house captains will add all the steps for their year group and Senior House Captains will calculate the final result.

### How points will be awarded?

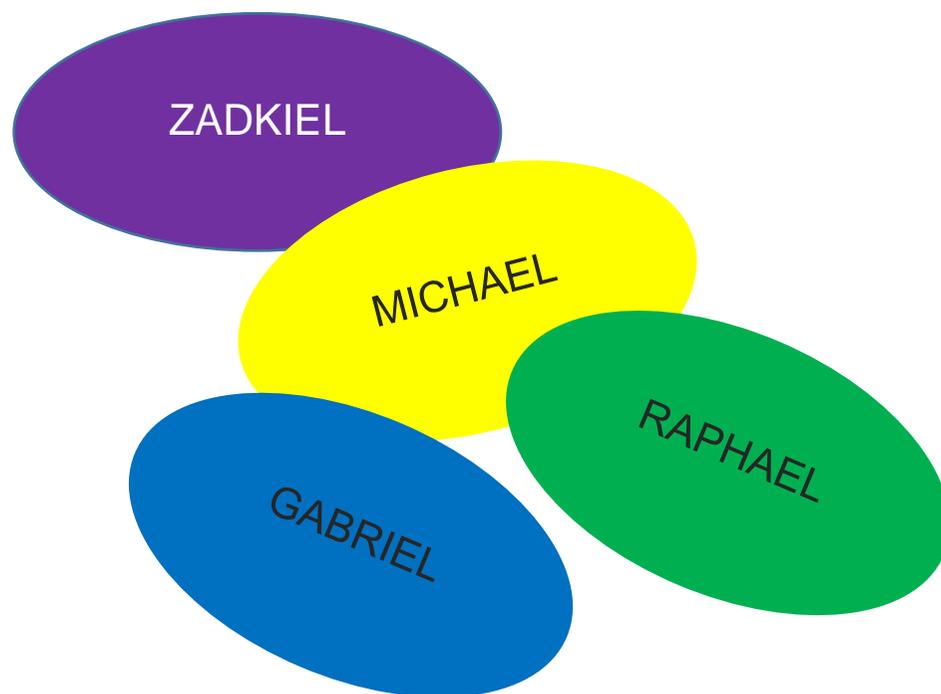
House with best average steps will win! Please submit your picture by **Wednesday 3<sup>rd</sup> March**.

**Good luck and keep moving!**

Dear Trinity Family,

We had our 3<sup>rd</sup> Remote House Challenge this week, congratulations to **Gabriel House** who narrowly beat **Michael House** to top spot and it is retaining the top spot of the Remote challenges.

Remote House Challenges									
	Number of staff	Number of students	Total	Challenge 3 Average Result	Points 3	Challenge 3 Participation	Challenge 3 Participation %	Points 3	TOTAL
Gabriel	19	123	142	2.633	10	60	42.25%	7	52
Michael	21	134	155	2.492	5	67	43.23%	10	42
Raphael	18	116	134	2.489	3	49	36.57%	5	28
Zadkiel	20	120	140	2.568	7	51	36.43%	3	28



## THIS WEEK'S HOUSE QUIZ QUESTIONS

Answers in next week's newsletter

**1 - What are the colours of the following respective Houses: Michael, Zadkiel, Gabriel and Raphael?**

- a) Green, Purple, Blue and Yellow
- b) Yellow, Blue, Purple and Green
- c) Green, Blue, Purple and Yellow
- d) Yellow, Purple, Blue and Green

**2 - What does the "SIM" in SIM card stand for?**

- a) Subscriber Identity Module
- b) System Internet Module
- c) Subscriber Identity Method
- d) Sending Internet Module

**3 - According to Billboard.com, which song ended 2020 at the top of the chart?**

- a) Don't Start Now - Dua Lipa
- b) The Box - Roddy Ricch
- c) Blinding Lights - The Weekend
- d) Circles - Post Malone

**4 - Which London borough has been awarded the title of London Borough of Culture for 2021?**

- a) Bromley
- b) Croydon
- c) Greenwich
- d) Lewisham

### The answers from last week quiz are?

1 - Who is your Head of House?

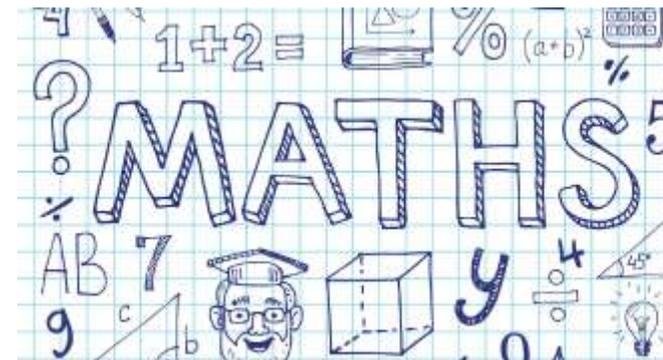
- a) Miss Betancort
- b) Miss Bowen-Evans
- c) Mrs Ashdown
- d) Miss Williams

2- I am an odd number. Take away one letter and I become even. What number am I?    Answer: Seven

3- Three pieces of deep-fried chicken with chips could contain 900 calories, how many minutes a 14-year-old girl running at 6mph (9.7 km/h) must run to burn this amount of calories?    Answer    c) 90min

4- What is the best-selling videogame of all time?    Answer : d) Tetris

# YOUR MARVELLOUS MATHS WEEKLY ROUND-UP



## Puzzle of the week

*Pitch your mathematical wits against 93 schools in 23 countries!*

This week's puzzle is on the left – one you think you have a solution, visit

<http://www.puzzleoftheweek.com/>

To submit your answer.

**Current student lead  
SHENG YU in Yea 9 –  
well done Sheng!**

Each shape stands for a different number between 0 and 12.

$$\begin{array}{l}
 \text{Blue rectangle} \times \text{Blue rectangle} = \text{Orange parallelogram} \\
 \text{Black circle} \times \text{Blue rectangle} = \text{Red trapezoid} \\
 \text{Yellow hexagon} \times \text{Red square} = \text{Purple semi-circle} \\
 \text{Purple oval} \times \text{Orange parallelogram} = \text{Purple oval} \\
 \text{Teal diamond} \times \text{Red trapezoid} = \text{Red trapezoid} \\
 \text{Red square} \times \text{Black circle} = \text{Green triangle} \\
 \text{Red square} \times \text{Red square} \times \text{Red square} = \text{Green triangle}
 \end{array}$$

What is  $\text{Yellow hexagon} \times \text{Purple semi-circle} \times \text{Red trapezoid} \times \text{Teal diamond} + \text{Purple oval} ?$

## Episode 17

### A conversation between Devin & Paris

Devin Runneals & Paris Toews chat about their experiences in Mathematics and the effect of being a woman in an educated or non-educated environment.

<https://soundcloud.com/damien-adams-662584563/episode-17-a-conversation-between-devin-paris>

SPOTLIGHT ON....



This podcast is an effort to promote visibility of women in mathematics



# 5-minute meditation

Let go of thoughts of the past or worries for the future with a mindful look at paintings with the 5-minute meditation series from **The National Gallery**. Escape to the sandy bank of a quiet shore with **Bonington's 'An Estuary in Northern France'**, feel the mistral of Southern France in Van Gogh's **'Wheatfield, with Cypresses'**, or take a moment to soak in the serenity of a tranquil Finnish lake with **Gallen-Kallela's 'Lake Keitele'**.



5-minute meditation  
Bonington's 'An Estuary in Northern France'



5-minute meditation  
Van Gogh's 'Wheatfield, with Cypresses'



5-minute meditation  
Gallen-Kallela's 'Lake Keitele'



5-minute meditation  
Redon's 'Ophelia among the Flowers'

Visit: <https://www.nationalgallery.org.uk/stories/5-minute-meditations>

## SCIENCE MUSEUM KITCHEN SCIENCE

Visit the **Science Museum online** and explore science at home with things found in your kitchen! From gravity defying water to bouncing eggs, try a range of fun science activities and experiments, with step-by-step instructions that are safe and easy to at home.



### GRAVITY-DEFYING WATER

Can you make water defy gravity?



### TABLECLOTH TRICK

Can you pull out a tablecloth without sending cups and saucers flying?



### BOUNCY EGG

Can you make an egg bounce?

Visit: <https://learning.sciencemuseumgroup.org.uk/resources/kitchen-science/>



21 AMAZING ASTRONOMY EVENTS IN 2021!

From meteor showers and a super full moon to a space telescope launch and Mars rover landings, visit the **Royal Observatory Greenwich online** as their astronomers pick their 21 amazing astronomy highlights in 2021. You can also take a tour of the Universe and experience the wonders of the night sky with an online **Planetarium show** or visit the **Royal Observatory Greenwich YouTube Channel** as their astronomer's journey through time and space, exploring our wonderful Universe. Whether you are an astronomy whizz, or barley know one end of a telescope from the other, there's something here for everyone!



Mission to Mars



Solar System Discovery | Virtual Planetarium Show

Visit: <https://www.rmg.co.uk/royal-observatory>

## Our Broken Planet: How We Got Here and Ways to Fix It

The natural world is in crisis. As our demand for food, materials and energy soars, forests are becoming farmland, plastic is filling our oceans and the climate is heating fast. Join the **Natural History Museum online** as they debate why and how our relationship with the natural world needs to change. Explore the programme of live events where panellists including scientists, farmers, entrepreneurs, fashion designers, journalists, photographers and activists discuss the key challenges we face in building a greener future.



Biodiversity  
What is biodiversity?



### Bye Bye Plastic



Anthropocene  
What is climate change and why does it matter?

Visit: <https://www.nhm.ac.uk/visit/our-broken-planet.html>

'In the week before half term the science department hosted the house challenge. We held a virtual science and computing based quiz which pupils were trying to earn as many points as possible for their houses. Some of the questions included a scientific spot the difference. (see below), periodic table decoder and guess the famous scientist. Pupils were also able to earn bonus points for their houses by completing home science experiments or presentations and submitting.'

**Lava Lamp**



**Tianna's**

**Mento's & Coke**



**Noruwa's**

**Mento's & Coke**



Science spot the difference

Find the 12 differences between these 2 pictures.

**Fiona's**

**Lava Lamp**



**Chedon's**

**Ice cream in a bag – using ice & salt**



**Diamonds are fascinating**

These beauties are almost made of carbon (99.95%)  
And in total there is 1.85 billion carbon in the world  
which proves why diamonds are reasonably rare

