



December 2024

Turnbull Times

Dear Parent/Carer

Welcome to the December edition of the Turnbull Times. As we approach the end of term, I hope you enjoy reading about events happening across our school community.

Catholic Education Week

Thursday 16th November marked the beginning of Catholic Education Week. Catholic Education Week takes place each year from the Feast of St Margaret of Scotland (16th November) until the Feast of St Andrew (30th November). This year, the theme of Catholic Education Week is 'Pilgrims of Hope'. This is also the theme of the Jubilee year in 2025.

Hope is an unshakable trust and assurance that the promises of God will be fulfilled.

Hope is placing our trust in God, based on what He has already done for us in the life, death, and resurrection of Jesus.

Hope is an absolute certainty that God's promises will come true.

During Catholic Education Week and into 2025, we are asked to reflect upon how we can all help support this pilgrimage of hope through our home, school and parish partnership.

Patronal Feast Day

On Tuesday 21st November, the community of Turnbull High School celebrated our Patronal Feast Day having consecrated our school to the Immaculate Heart of Mary on 21 November 2017.

The day began with a community breakfast and a whole school Catholic Education Week assembly. During the day there were opportunities to come together through prayer and community events. Our Caritas students led us in our school rosary and pupils participated in our inter-house quiz, staff karaoke and a wide range of lunchtime activities. A highlight of the day was

*"Mankind is a great,
an immense family...
This is proved by
what we feel in our
hearts at Christmas."*

Pope John XXIII

*May your Christmas
be joyful and your
New Year filled
with peace.*

*From the staff and
pupils of
Turnbull High
School*

Turnbull High School

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(Continued from page 1)

our Mary's Meals guest speaker, Geraldine, who shared her incredible experience of fundraising through her walk from Glasgow to Rome.

Monies raised through non-uniform donations will be used to support our new Mary's Meals school sponsorship of Chinkholowondyo School in Zambia. Donations of baby items have been used to support the work of the Cardinal Winning Initiative.

Senior Phase Prelims

Senior Phase Prelims are currently in progress. Our staff have worked hard to prepare our students for these National Qualifications. As parents you can help by:

- Talking over the order of their exams and helping them plan their study
- Buying post-it notes, study cards, highlighters etc
- Preparing a 'study area' within your home
- Keeping them calm and positive – do not let them talk themselves down
- Encouraging a decent night's sleep and appropriate recreation time
- Planning a post-prelim treat as something to look forward to.

Please pray for all our students in S4, S5 and S6 during this examination period.

Our pupil support staff are available to work with our Senior Phase students on dealing with exam stress. If your son/daughter requires any support in dealing with exam stress please contact their Pastoral Care teacher to arrange this.

Personalisation & Choice / Option Choices

Over the coming months students in S2 -S5 will be given the opportunity to personalise their course of study. Information Evenings for parents will take place as per the school calendar. In addition, information on option choices and the national qualifications can be accessed from various websites:

www.turnbull.e-dunbarton.sch.uk

www.myworldofwork.co.uk

www.sqa.org.uk

www.npfs.org.uk/downloads/category/in-a-nutshell-series/highers-in-a-nutshell/

www.npfs.org.uk/downloads/category/in-a-nutshell-series/nationals-in-a-nutshell-series/

Exam Prayer

Dear Lord, please help me in my examinations.

Help me to face them with courage, steady in nerves and keen in mind.

Please help me to grasp fully the questions that are asked, to remember all that I have conscientiously studied, to express my answers accurately and with the completeness desired.

Grant me, dear Lord, a due sense of timing, and let me not waste precious minutes in irrelevant asides.

Before I hand in my papers, give me the wisdom to examine what I have written, and the alertness of mind to detect and correct any mistakes I may have made.

Lord, grant me success if success is good for me.

But I know you know what is best for me.

With loving trust, therefore I say,

“Whatever the results, blessed be your holy will.”

(Continued from page 2)

Advent

Advent is a time of prayer and a season of hope. Our themes for the weeks for Advent are:

- Week 1 - Time for Preparation
- Week 2 - Responding to God’s Call
- Week 3 - Making God’s Love Visible

During December S1 – S3 RE classes will visit the Oratory for Advent Services.

Our Rorate Mass will take place on Wednesday 18th December at 8am. This will be followed by light refreshments in the school conference room. All families are warmly invited to attend.

Advent Charities

Our Advent Charity Campaign began with a ‘Dress-Down Day’ on the 29th November. Pupils and staff will be involved in numerous fundraising activities during this advent season. Watch out for details through our groupcall messaging service.

Arrangements for End of Term

Pupil attendance is expected up to the end of term. Attendance will be monitored as per normal procedures up to and including Friday 20th December.

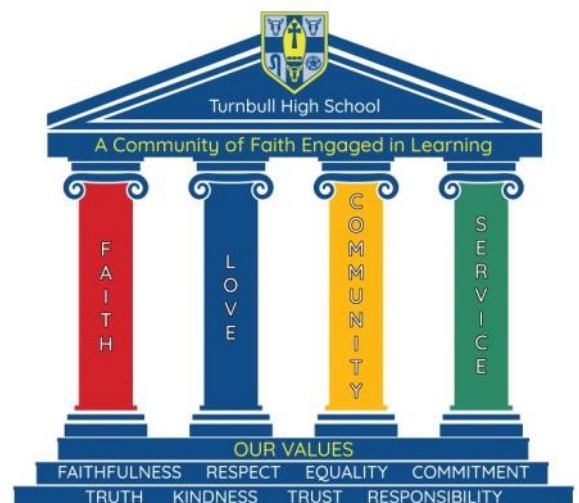
School will close at 2.30pm on Friday 20th December and will reopen on Monday 6th January 2025 at 9am.

I wish you all a happy, holy and peaceful Christmas.

Yours sincerely

E Kennedy

Head Teacher - Turnbull High School
www.turnbull.e-dunbarton.sch.uk



Turnbull High School PARENT COUNCIL



Dear Parent/Carer

My name is Angela Murray and I am the Chair of the Parent Council and the Parent Teacher Association for Turnbull High. I would like to take this opportunity to explain to you the work of the Parent Council. If you are new to the school or have been here for a number of years, you may be unaware of the role of the Parent Council. We are a group comprised of parents/carers, Mrs Kennedy, the Headteacher, Parish representative and councillors, who meet at least once per term, to discuss a range of issues pertaining to the education of our young people. Our goal is to ensure that Turnbull High delivers the highest standard of education possible to each of our young people and that they are happy and enjoy their time learning. The parents/carers of the Parent Council represent you, the Parent Forum, and our role is to interact with the school management, the Church, the Education Authority and the wider community on your behalf. We have a page on the school website where you can read our Constitution and the minutes of previous meetings.

Our numbers have dropped very low and so we are appealing for new members to join us to ensure that all parents and carers views are represented.

The Parent Teacher Association is also in need of new members. We support the school by raising money to enhance, enrich and improve learning experiences for all of our young people. We host the S1 Halloween disco and the S5 and S6 Snow Ball and we provide teachers with funds to purchase a variety of items to allow them to enhance the learning of our children.

Please do try to come along to our next meeting. The dates are always listed in the Turnbull Times and a Groupcall is usually sent out on the day.

SOUND SLEEP LESSONS

Sleep is one of the most important indicators of a healthy lifestyle, yet today, in the UK, we are almost illiterate about the value of sleep. According to a survey carried out by The Sleep Council in the UK, almost one third of Britons now sleep for just five-to-six hours per night and up to 22% of people say that most nights, they sleep poorly. The cost of

being able to live a 24 hour lifestyle is very often our sleep. We believe that we can get by on less and less hours of rest so that we can watch more TV, interact on social media, do more shopping, work longer hours or spend more time with people we care about. However, as we become increasingly aware of the way the brain works and the finely tuned nature of our bodies, we are beginning to understand the importance of sleep and the vital role it plays in our emotional and physical wellbeing.



Recent research has shown that there are clear links between sleep deprivation and obesity, impaired learning and increasingly, depression. By highlighting the importance of sleep and the simple effective behavioural changes that can be made to ensure good quality sleep, we will help pupils to benefit in terms of academic success and the ability to deal with stress and anxiety. A child's physical and mental health is directly affected by the amount they sleep, but many are failing to get the hours of sleep they require.

This year in Turnbull High School we have introduced Sound Sleep lessons in all PSE classes to raise awareness of the importance of sleep for emotional and physical wellbeing.

We have surveyed pupils asking them about their sleep pattern and the results are attached for you. Clearly many of our young people are sleep deprived, with social media being the main distraction for our pupils at bed time. We will be discussing with pupils the importance of a good bed time routine and on the next page you can see some tips for good bedtime practice.

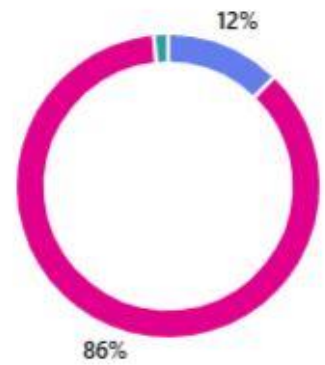
How long do you usually sleep for at night?

● Less than 6 hours	36
● Between 7 and 8 hours	176
● Between 8 and 9 hours	145
● More than 9 hours	35



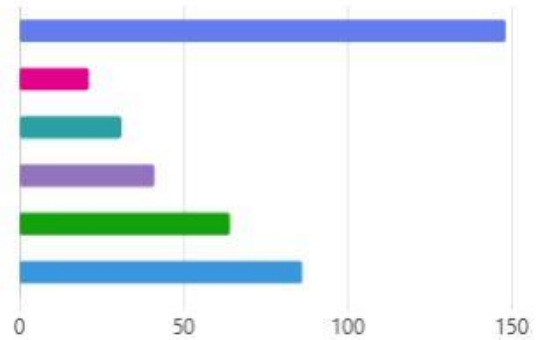
Do you share a bedroom

● Yes	48
● No	337
● Sometimes	6



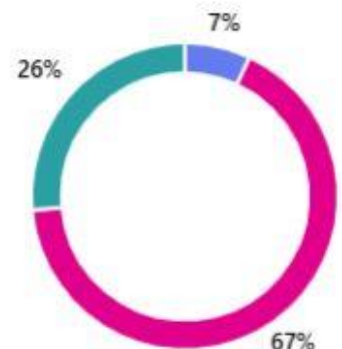
What is most likely to keep you awake?

● Social Media	148
● Computer games	21
● TV	31
● Homework	41
● Feeling worried/stressed	64
● Nothing	86



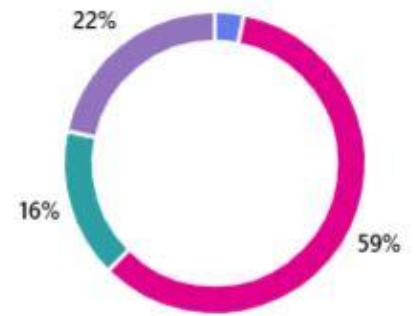
Do you go for a sleep when you come home from school?

● Yes	27
● No	260
● Sometimes	103



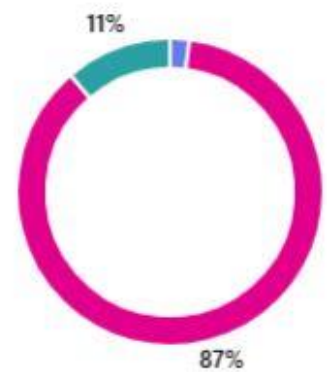
How often are you tired in school?

● Never	12
● Sometimes	231
● Rarely	62
● Always	84



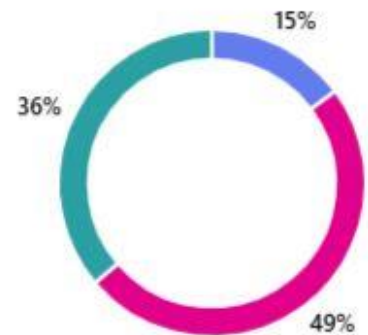
Are you late for school because of a lack of sleep?

● Yes	8
● No	339
● Sometimes	44



Does a lack of sleep affect your concentration levels in school?

● Yes	58
● No	192
● Sometimes	142



These results show that nearly 40% of our pupils are sleep deprived due to social media use at bedtime. Other distractions include computer games and feeling worried/stressed. Unsurprisingly, nearly 60% of our young people sometimes feel tired in school. Based on the advice of the National Sleep Foundation, the recommended hours of sleep are 9 to 11 hours for children aged 11-13 years and 8 to 10 hours for teenagers aged 14-17. Please use the good bedtime practice information sheet on the next page to help your child adopt a healthy bedtime routine. If you are concerned about your child's sleep pattern please do not hesitate to get in touch with their Pastoral Care Teacher.

Good Bedtime Practice



See below for an example of a bedtime routine for a 14 year old who is getting up around 7am.

This can be used as a rough guide, but you might want to adjust timings and activities to suit you. Remember that consistency is key - try to keep your routine the same each day!

A Good Bedtime Schedule

Time	Activity
4:00pm	After school clubs / time with friends
5:30pm	Evening meal
6:00pm	Stimulating activity - exercise, screen time, complete homework
8pm	Snack/supper, if needed
8:45pm	Wind down activity
9:00pm	Relaxing bath
9:30pm	Read or listen to music or an audio book
9:45pm	Lights out

Average Sleep Needs

Age	Recommended
Early secondary-aged children 11-13 years	9 to 11 hours
Teenagers 14-17 years	8 to 10 hours
Young adults 18-25 years	7 to 9 hours

Based on recommendations by the National Sleep Foundation.

These are guidance, but everyone is different. Not sure how much sleep you need? Use a school holiday to sleep as long as you need to, to find out how much sleep you really need.

Before Bed:

Avoid sleeping after 2pm

No TV etc. an hour before bed

Quiet, wind down time

Snack if required, e.g. toast, cereal, milky drink

Avoid sweets/ biscuits, fizzy drinks, tea, coffee, hot chocolate

An hour before bed, aim to leave the day behind and prepare for sleep onset

Bedtime:

Consistent bedtime and waking

Carry out steps in same order each night

Have a bath, wind down, chill out

Read, or listen to relaxing music

Try a relaxation technique to help drift off

Keep bedroom dark and cool

Use subdued lighting

Crucial elements

Consistency

Timing

Diet

Exercise



Turnbull High School
EAST DUNBARTONSHIRE

Senior Awards Ceremony

Our Annual Senior Awards Ceremony took place on Tuesday 8 October 2024. It was a fantastic evening during which the high levels of attainment and wide ranging achievements of so many of our young people were recognised through the awarding of certificates and prizes of our current S5, S6 and 2024 leavers.

The awards were given in several categories including subject attainment (for the pupil who received the highest mark in the final exam), subject achievement (for the pupil in each subject whom the teachers feel did exceedingly well) and wider achievement (for pupils' achievements in extracurricular activities).

As well as these there were awards for General Excellence for pupils who received 6+ As at National 5 level and for pupils who received 4+ As at Higher level.

Other awards which were presented included the Neil Roarty Award for Volunteering, Jim McKenna for Chemistry, Brenda McGee for Physics, Multilinguist Award, the School Dux and the Turnbull Prize. Pupils were also recognised for their work for the Caritas Award.

It was yet again a huge success, and we wish a huge congratulations to all of this years winners.





Turnbull High School
EAST DUNBARTONSHIRE

Senior Awards Ceremony

TURNBULL TROPHY WINNERS – 2023/24



D Gbemudu
School Dux



O Bruce
Turnbull Prize



TURNBULL TROPHY WINNERS – 2023/24



H Welsh

Multilinguist Award – Modern Languages



E McGonigle

The Neil Roarty Award for Volunteering

O Moonesawmy
Jim McKenna Award – Chemistry

E Wong
Brenda McGee Award – Physics



SUBJECT AWARDS - FOURTH YEAR (2023-24)

Subject Attainment and Achievement Awards

A Bryson	C Di Lieto	L Elliott	E Friel
C George	M Gillion	J Griffiths	A Halliday
K Harkins	N Heaney	S Horrocks	T Jackson
E Kilshaw	A Letham	C MacLeod	J McAnally
K McDaid	E McDermott	G McGinty	Z McGoldrick
L Miller	S Miller	O Moonesawmy	C Murray
S Murray	S O'Neill	L Orr	J Ruddy
M Scarse	A Temple	B Watson	L Watson
E Wong	K Woods		

Excellence Awards

C Brockett	J Davidson	E Friel	J Griffiths
K Harkins	N Heaney	A Letham	C MacLeod
Matthew McCann	A McGinley	I McManus	S Murray
L O'Connell	A Temple	L Thomson	B Watson
J Wilson	E Wong	K Woods	

SUBJECT AWARDS - FIFTH YEAR (2023-24)

Subject Attainment and Achievement Awards

J Anderson	M Baku	Z Broomfield	T Donaghy
L Flavell	M Fox	M Gallacher	D Gbemudu
P Goldie	L Gordon	C Hoffmann	J Kiehlmann
L Kompara	O Leebody	G Lockhart	S Lowis
F McSparran	B Murphy	C Murphy	M Pace
T Rennison-Brown	D Samuel	J Shi	A Snell
J Walker	H Welsh		

Excellence Awards

J Anderson	O Brady	L Dow	C Fox
M Fox	M Gallacher	D Gbemudu	L Gemmill
P Goldie	L Gordon	C Hoffmann	James Kiehlmann
L Kompara	O Leebody	G Lockhart	S Lowis
A Macaulay	E McCormack	A McDonald	F McSparran
M Miller	S Miller	C Murphy	H Murphy
K Murray	M Pace	A Parkes	A Pyrz
T Rennison-Brown	I Riley	J Shi	A Snell
K Walker	A You	H Young	



SUBJECT AWARDS - SIXTH YEAR (2023-24)

Subject Attainment and Achievement Awards

E Brown	H Bruce	E Connor	A Cowan
E Devlin	P Docherty	R Gaughan	S Hadfield
A Hendry	K Kennedy	I Letham	V MacKenna
M Marshall	M McGinty	E McGonigle	K McHugh
N Murray	A Okpokiri	J Parayil	R Robertson
S Rooney	D Ruddy	F Sawalhi	T Stevenson
C Stewart	P Ward	G Watson	O Wilson

Outstanding Achievement Award

F Sawalhi	H Bruce	A Hendry	M Marshall
M McGinty			

WIDER ACHIEVEMENT AWARDS

Contribution to Whole School Life and Ethos - School Bands

H Bruce	G Darley	R Friel	A Hendry
C Stewart			

COMMUNITY AWARDS

Caritas Awards

A Cowan	G Darley	S Hadfield	E O'Hara
A Okpokiri	D Ruddy	T Stevenson	



WIDER ACHIEVEMENT AWARDS

Contribution - Whole School Life and Ethos – Sustainability

R Halpin
L Margiotta

E Holland

J Nowak

A Lee

Contribution - Whole School Life and Ethos – Musical Achievements

M Fox
C Mullan
E Bellard

R Hannon
C Murphy
H Bruce

D McKinstry
H Murphy
V MacKenna

L Monaghan
K Walker
C Stewart

Contribution - Whole School Life and Ethos – Eco Schools

D Gbemudu

A Hendry

K Kennedy

F Olawuyi

COMMUNITY AWARDS

Caritas Awards

C Brammer
C Hill
C Savage
O Webb

N Cummings
C Murray
J Scarse

S Di Bona
C Okeyelele
C Stafford

M Fielding
T Orumwense
E Trotter

GLASGOW HIGH SCHOOL MASS



On the evening of 28th October, Turnbull High School was represented at the annual Glasgow High School Mass with pupils from all year groups in attendance. This Mass took place in the Cathedral in Glasgow's city centre and was celebrated by our Archbishop William Nolan. It was a real honour for our pupils to be invited to provide the music liturgy for this special celebration of Mass attended by learners and teachers from Catholic schools around the Archdiocese.

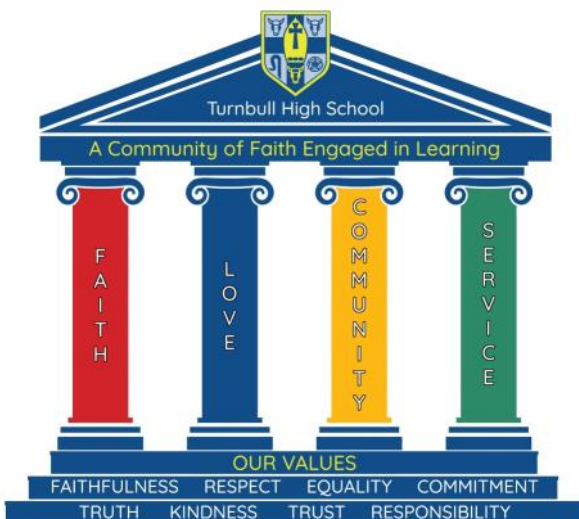


S1 WELCOME MASS

The faith journey of our young people begins every year with our First Year Retreats and Welcome Mass.

In the lead up to the S1 Welcome Mass, the S1 Retreats are an opportunity for young people to reflect on their faith at the start of this new episode in their lives. The retreat draws on the impact of the Sacrament of Confirmation and what it means to be involved in evangelisation through living out school values of faith, love, community and service.

Our First Year Welcome Mass took place in September. We were delighted to have this opportunity to come together as a community of faith and thank Father Alex for celebrating Holy Mass with our new S1 pupils and their parents and families.



Thomas Muir Symposium at Turnbull High School



This annual event took place at Turnbull High School this year celebrating the life and legacy of Thomas Muir from East Dunbartonshire. Various departments participated using a cross curricular approach, including contributions from the school Jazz Band, Art and Design, Humanities, and Leadership.

S3 Art and Design pupils explored the history of slavery in Scotland, focusing on how Scottish ports were involved and how many people in Scotland gained wealth and opportunities from the slave trade. They also learned that this history is still seen today in Georgian buildings, statues, and street names. To express what they had learned, S3 pupils created artwork and held an exhibition at the event to showcase their posters, allowing the Thomas Muir Symposium audience to see and reflect on Scotland's connection to slavery.



We are very proud of all their hard work and our guests thought so too with many commenting on their fantastic drawing skills!

S6 Humanities captains presented to the Thomas Muir Symposium audience their findings of Glasgow's links to the slave trade. The captains worked in pairs and small groups to each research a different street in Glasgow to learn about its history and origins. They presented about Buchanan Street, Glassford Street, Ingram Street and Buchanan Street and how these were named after the wealthy trade merchants of the era. This links to our current school curriculum through the UN CRC Article 35. Many of the attendees complemented how confidently our pupils presented.



HUMANITIES DEPARTMENT

S1 History Stirling Castle and Wallace Monument



S1 Pupils of 1HK visited Stirling Castle, Stirling Bridge and Wallace Monument as part of our studies into Medieval History, William Wallace and a focus of 'Famous Resistance in History'. The class were led by Mr Milne, Mr Lindsay and Ms McGinnis.

The first stop was Stirling Castle where pupils walked around the castle and stopped off at the Great Hall (completed for James IV in 1503) with everyone taking turns to sit on the thrones as King or Queen of Scotland. They also got to hear the historical stories around the handwoven tapestries of the 'Unicorn Hunt' by the excellent staff of the castle.



We then visited Wallace Monument – which all pupils agreed was the highlight of their trip.



Pupils ascended the 246 narrow, spiral staircase (220ft!) where they stopped off at different sections to find out more about William Wallace. The highlight was seeing the sword that Wallace supposedly used that measures 1.68m and weighs 3kg. When they reached the windy top, pupils were rewarded with panoramic views in all directions across Scotland's historic heartland of the Forth Valley.

Pupils feedback about the Wallace Monument that they enjoyed:

'It was so cool to be able to see his sword up close and being at the top of the Wallace monument

'I like the movie and the fact that it was William Wallace's real sword! And the sights were beautiful'

'It was so cool and made me learn a lot – the stairs were scary but it was so worth it when I made it to the top'

Overall, a very successful trip and the pupils manners and respect of the community were a testament to the high standards of Turnbull High School.

HUMANITIES DEPARTMENT

S3 Modern Studies

Scottish Parliament Trip

On Thursday 10th October, S3 Modern Studies visited the Scottish Parliament for First Ministers' Questions accompanied by Mr Thompson (Modern Studies) and Miss Hogg (BECS). The day began with a train journey to Edinburgh and a walk from Waverley Station taking in some of the sights of Edinburgh's Old Town.

The group arrived on time to gain access to the chamber for General Questions where Transport Secretary Fiona Hyslop was questioned over the successes and failures of the Young Persons Free Bus Travel Scheme. This was a topic that had been discussed previously that week in class as part of our look at Scottish Government policies that have been introduced. The questions focused on the need for free bus travel and the links between the scheme and a rise in anti-social behaviour, a topic which was part of our class discussion. This was an excellent opportunity for young people to see their learning in action as well as Democracy in Action and how the Government can be held to account.



At First Minister's Questions, pupils listened to a variety of questions from opposing party leaders on topics such as early release for prisoners, NHS waiting times and a number of transport issues including rail travel prices and road construction progress. The questions became quite fractious at times which added to the spectacle of the visit! Pupils enjoyed seeing the types of issues that get discussed and responses to these as well as applying their understanding of political viewpoints to the reasons behind the stance of some parties on different issues.

Once FMQs was finished, the group made their way out of the building to enjoy a packed lunch on the grounds of the Parliament. Scottish Labour Leader Anas Sarwar made his way over to say hi to everyone and ask what they thought of FMQs. Once lunch was finished we made our way back to the train station to return to Turnbull High School.

An enjoyable and interesting day was had by all who got to witness real life democracy in action.

MATHEMATICS DEPARTMENT

S1 Bridge Building

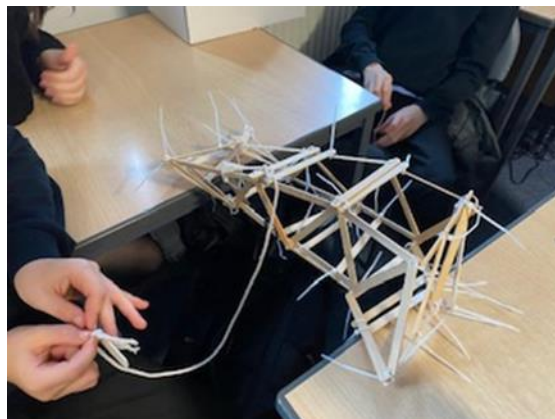
In October, S1 pupils took part in a bridge building competition. Class teachers set the scene with a lesson on the engineering behind building bridges, focussing on the importance of the triangle shape when building a bridge.

The brief was to build a bridge which:

- spans 30cm.
- is made from lollipop sticks, cable ties, string and card only.
- cannot be tethered or stuck to the table in any way.

The bridges were assessed on durability (how many water bottles can it hold), aesthetics, cost (all materials were recorded and an overall price was given) and how well the team worked together.

Over the course of a week, pupils worked in teams to build their bridges, starting with a design day where pupils considered the bridge they wanted to build and worked out the materials they would need.

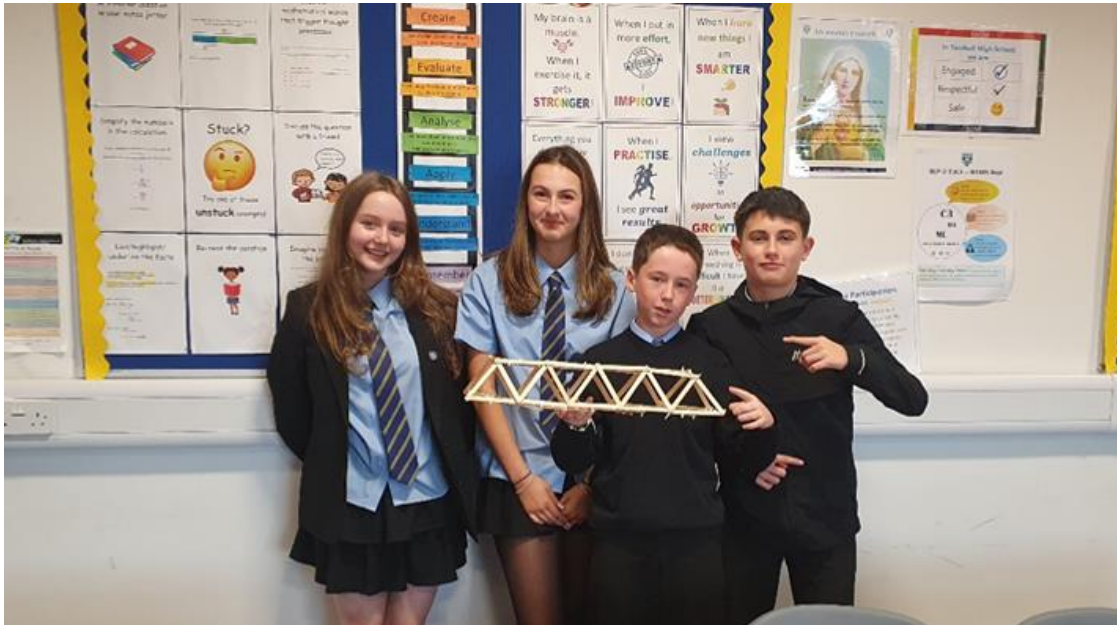


Over the next few days they worked on building their bridges and, at the end of the week the bridges were tested in classes to decide the strongest in each house group. These bridges went through to the grand final with Miss McDonald judging the overall winner.

MATHEMATICS DEPARTMENT

(Continued from page 20)

Three of the four bridges could hold more than 6 bottles of water without breaking and two were very strong, holding 10 bottles each! To decide the winner, cost and aesthetics were considered and the winning team was from Miss Young's class.



*Well done to everyone who took part and a special well done to the winning team who, for the **THIRD** year in a row were from:*



Marian House

SCIENCE DEPARTMENT



S1 Whitelee Windfarm Trip

Once again this October, we took S1 to visit the biggest onshore windfarm in the UK just South of Glasgow. We went for a full day this year taking packed lunches and having some time to wander round the site which is a great place for walking and biking in case you're looking for a day out. Thankfully we had two days that were mostly dry for exploring. This was a real life example of the Energy Generation learning we have been doing in school and gave us links to jobs in the workplace learning about the engineers who service the turbines, the Scottish power electricity trading as well as the land management. We all enjoyed our learning as well as a day out of school.

Mrs Fleming



SCIENCE : ENVIRONMENTAL SCIENCE

S3 Environmental Science Pupils Explore Wind Energy

S3 Environmental Science pupils were delighted to be invited to join the S1 science classes on their trip to Whitelee Windfarm.

Wind energy is one of core sustainable energy types to be studied in the S3/4 Environmental Science course. The pupils need to be aware of the requirements and considerations for siting wind farms and the trip gave them an ideal opportunity to explore the largest wind farm in the UK.

The students completed an information gathering challenge using the information both inside and outside the visitor centre. They then completed a walking tour, led by Ms Torrance, to note the land uses and considerations.

The mini-bus tour then stopped at points around the site to allow the pupils to get 'up-close' to the turbines. They also had the opportunity to ask questions of the knowledgeable tour guide.

Finally the students undertook wind turbine blade experiment in the lab. They were each able to conduct their own experiment to find out which shape / number of blades produces the most electricity.

Thank you to Mrs Fleming for making space for the first ever S3 Environmental Science class to join in on the trip!!



Ms Torrance points out the turbines



Tour Guide Talk



**Did you know...
the Whitelee turbines
are painted a very
specific light grey, to
blend in with the
dreich Glasgow
skyline!**

ENVIRONMENTAL SCIENCE

Is a combination of:

SCIENCE and GEOGRAPHY

and can be chosen as a course option at Turnbull in **S3** onwards.

We offer **National 4/5** and **Higher for S5/6**.

The S3 course introduces new core topic of sustainability as well as incorporating elements of other subjects such as Geography, Biology and Physics.

SCIENCE : CHEMISTRY DEPARTMENT

Turnbull High School Pupils Embark on Young Chemical Ambassador Programme

Five S3 pupils from Turnbull High School have embarked on the prestigious Young Chemical Ambassador programme at Strathclyde University. As part of this initiative, they recently participated in a full-day workshop filled with hands-on activities and experiments, inspiring talks from university lecturers, and an in-depth exploration of ethical engineering. The students learnt about the essential role of engineering in society, with a focus on its ethical implications.



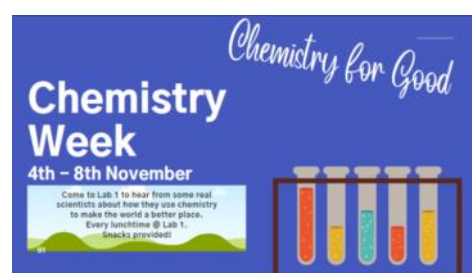
Following the workshop, each student was introduced to their PhD mentor, who will visit the school weekly to guide them through their research project. The students will explore the science and engineering behind mobile phones, delving into ethical concerns such as the scarcity of metals like titanium, sourcing alternatives, and the working conditions in countries where these materials are mined. They will present their findings at a prize-giving event on 17th December at Strathclyde University's Engineering faculty.

The pupils described the experience as "invigorating" and "fun and interactive," with one student adding, "It was a great experience to learn about Chemistry and Engineering outside of the classroom." This programme has given them a unique insight into real-world applications of chemical engineering.

SCIENCE : CHEMISTRY DEPARTMENT



Chemistry Week



During Chemistry Week, from the 4th to the 8th of November, we hosted five insightful lunchtime career talks featuring professionals from the chemical sciences. Across the week, almost 50 learners from S1 to S6 attended with many attending multiple sessions. We invited a variety of speakers from Strathclyde University and local chemical companies to talk to us about how chemistry improves lives and helps us live more sustainably. Our learners gained a deeper understanding of the various career paths available and the positive impact of chemistry in our world. We learned about how chemistry is helping us live more sustainably by helping us recycle plastics using Green Chemistry Principles, how individualised medicines can be made using oligonucleotides and how catalysts are important for the future of the hydrogen fuel economy.



Claire from CPI telling us about how oligonucleotides can be used to make individualised medicines.

SCIENCE : CHEMISTRY DEPARTMENT

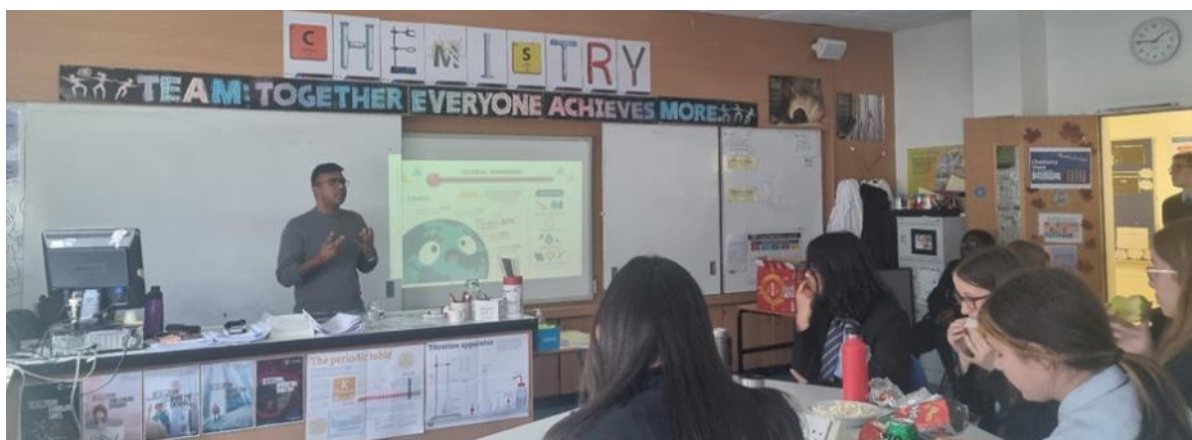
(Continued from page 25)



River telling us about how his research can recycle 'unrecyclable' plastics.



Shiva discussing the issue of finite metallic catalysts and the impact this has on hydrogen as a renewable fuel.



Shyam's research focusses on capturing atmospheric carbon dioxide and converting it into useful products.

SCIENCE : CHEMISTRY DEPARTMENT

(Continued from page 26)



Julienne's research focusses on using micro robots to collect microplastics which can then be separated and recycled.

Learners celebrated the end of chemistry week with a Pizza and Poster event on Monday 11th November and we look forward to sharing the winning posters soon.



Some quotes from our learners:

'Chemistry is relevant to everyday life and makes the world a better place' S1 pupil AL

'Chemistry is very important, it helps us with simple things like working out if a liquid is safe to drink and also it helps us cure diseases' S3 pupil ES

'I found chemistry week very interesting' S3 pupil HS

'I have seen that chemistry is so advanced but very interesting' S1 pupil NF

S4 STUDY SKILLS EVENT 2024

In October 2024 our S4 pupils participated in our annual S4 study skills event. This was led by our S5 subject ambassadors in the assembly hall. S5 and S6 pupils were chosen to share their best tips of how to succeed in their chosen subject. This included a focus on retrieval practice, a strategy of recalling facts, concepts, or events from memory in order to enhance learning. The act of retrieving something from your memory actually strengthens the connections holding it there, making it more likely that you'll be able to recall it in the future.



Modern Languages Ambassadors explained to S4 pupils they used apps to practice their speaking skills as well as recording their answers for their speaking test. At another stall, Modern Studies pupils were shown the best way to use flash cards to ensure success in the upcoming exams. Music ambassadors suggested the best times to study different elements of the course and helped with the literacy section such as time signatures. Our Chemistry ambassadors signposted S4 students to use appropriate resources and websites while English focused on the best ways to analyse quotes and learn command words.



This event showcased our S5 and S6 pupils playing an active role in the school and taking on leadership roles, including leading learning.

The feedback from S4 pupils was very positive as expressed in the following quotes:

'It will help me study more effectively'

'You need to practice past paper questions. Don't just read your notes!'

'You can use flash cards to study for lots of subjects. I'm going to use them for English, French and Modern Studies'.

'The study skills event was enjoyable and very helpful.'

'Brilliant!'

'Use your study planner to plan your day. Turn your phone off whilst you're studying'



DATES FOR YOUR DIARY

Month	Event	Date
December	Advent Service/Christmas Concert	Wed 18 December 2024
	S4/S5/S6 Prelims end	Thu 19 December 2024
	Last Day of Term	Fri 20 December 2024
	Christmas/New Year Holiday	Mon 23 December to Friday 3 January 2025
January	Pupils Return	Mon 6 January 2025
	S2 Personalised and Choice Evening	Tue 7 January 2025
	Parent Council Meeting (SIP)	Mon 13 January 2025
	S4 Parents' Meeting	Tue 14 January 2025
	S4/S5 Options Evening	Tue 14 January 2025
	S5/S6 Parents' Meeting	Tue 21 January 2025
	PTA Meeting	Tue 28 January 2025 (7pm)
February	S2 Parents' Evening	Tue 11 February 2025
	Holiday	Mon 17 and Tue 18 February 2025
	Inset Day 4	Wed 19 February 2025
	PTA Meeting	Tue 25 February 2025 (7pm)
March	Parent Council Meeting	Mon 3 March 2025
April	Holiday (Easter Break)	Mon 7 to Mon 21 April 2025 (inclusive)
	Pupils Return	Tue 22 April 2025
May	Holiday (May Day)	Mon 5 May 2025
	Inset Day 5	Tue 6 May 2025
	Pupils Return	Wed 7 May 2025
	Parent Council Meeting	Mon 12 May 2025
	Holiday (May Weekend)	Fri 23 May and Mon 26 May 2025
	P7 Induction Day 1 and Day 2	Wed 28 May 2025 and Thu 29 May 2025
	P7 Induction Evening	Thu 29 May 2025
June	End of Term	Wed 25 June 2025
August	Pupils Return	Thu 14 Aug 2025

<https://www.eastdunbarton.gov.uk/residents/schools-and-learning/school-holidays>



Prayer for the School Community

Lord, enlighten with your Holy Spirit the minds and hearts of all those who participate in Catholic education. Help them to act justly and wisely in all that they do, according to Your plan of love and in the service of Your kingdom. Bless and guide parents, priests, teachers and all those whose words and actions will influence the future of Catholic education. Be their strength and courage in their responsibilities and by their Christian witness, may they pass on to our children and young people an appreciation of Your love.



Amen

Turnbull High School

A Community of Faith Engaged in Learning

Our Values

FAITH

LOVE

COMMUNITY

SERVICE

St Matthew's Parish Parish Priest: Father Alex Mpagi	2 South Crosshill Road, Bishopbriggs, G64 2LZ Tel: 0141 772 1619 Parish Email: stmatthew@rcag.org.uk Website: www.stmatthewsbishopbriggs.co.uk
Sunday Masses:	Evening Vigil: 5.30pm Morning: 9.30am Morning: 11.00am
Weekday Mass:	Monday to Friday: 10.00am
Confessions:	Friday after 10am Mass and 5:00 pm before Vigil Mass

St Dominic's Parish Parish Priest: Father Chiedozie Ezeribe	21 Kirriemuir Road, Bishopbriggs, Glasgow, G64 1DL Tel: 0141 762 1154 Parish Email: stdominic@rcag.org.uk Website: www.st-dominics.org.uk
Sunday Masses:	Evening Vigil: 5.00pm Morning: 10.00am Midday: 12.00pm
Weekday Mass:	Monday - Friday 9.30am
Confessions:	Immediately after weekday Masses

St Andrew's Parish Parish Priest: Father Michael Maloney	29 Roman Road, Bearsden, G61 2SN Tel: 0141 942 4635 Parish Email: standrew@rcag.org.uk Website: www.standrewsbearsden.co.uk
Sunday Masses:	Evening Vigil: 5.00pm Morning: 10.00am Morning: 12.00pm
Weekday Mass:	Monday to Friday: 10.00am
Confessions:	Saturday Afternoon: 4.15pm - 4.45pm Sunday Morning: 9.15am - 9.40am and on request.