



Millfield MESSENGER

Belvedere Road, Thornton Cleveleys, FY5 5DG

Telephone 01253 865929



Issue No 25
18th June 2021

Important Dates

**Monday 21st to
Friday 25th June**
Year 10 Food and
Nutrition Exams
Revision Week—Year 8

Monday 28th June
Test week—Year 8

Lateral Flow tests to be carried out:

Sunday 20th June
Thursday 24th June
Sunday 27th June
Thursday 1st July
Sunday 4th July
Thursday 8th July

REMEMBER

If your child tests positive on a Covid lateral flow test, or a PCR (laboratory) test, please notify the school on admin@millfield.lancs.sch.uk.

Thank you.



Email admin@millfield.lancs.sch.uk
Website: www.millfield.lancs.sch.uk
Twitter page @millfieldhighsc
#BeExceptional
#TeamMillfield



Dear Parents and Carers



Our final term is quickly racing by in a haze of sunny days, happy students who are engaged in their lessons and enjoying the fresh air with their friends at break times. Our Year 9s have had individual meetings with Mr Humphreys to discuss their aspirations and their futures, and their futures are most certainly looking bright for when they begin their GCSE courses in September!

Our students have also been exceptional over the last fortnight and have fully engaged with their year groups' revision and test weeks. These useful skills, embedded from Year 7, will equip and prepare them for when they sit their examinations in Year 11.

Over these last few weeks of term, I would like us all to be mindful that we cannot be complacent. Whilst 30 million adults have now received their second vaccination, there are still rising cases of Covid and we have staff in school, and you will have family members at home, who have only had one vaccination or are yet to have one – depending on their age. Therefore, please can I urge parents not to send their child to school if they are poorly with any Covid symptoms; do not rely on the lateral flow tests and book a PCR test instead – these are more accurate in detecting Coronavirus.

If parents receive a self-isolation letter from me, they must ensure their child does not leave the house; we have had a very small number of parents not following the guidelines and allowing their child into our community – this puts everyone at risk. Making the decision to close a bubble group and ask students to self-isolate is a complex, time-consuming and difficult decision. On Tuesday 15th June, when we had to close a Year 9 bubble group, a very kind parent thanked the team and I for doing a 'great job'; this meant the world to us all.

Over summer, we have exciting plans to improve the school facilities. This includes a new art room; a new music room; an upgraded sound, lights and visual system in the school hall (bringing assemblies into the modern age!); fully upgraded IT facilities and, even more exciting, a huge canopy is being installed over the quad, which will give our students an additional, much-needed, dining area at break and lunch times.

In September we are planning to go back to our normal school life and our normal curriculum, which includes utilising specialist classrooms; we are aware that a number of schools have already done this at Easter. Please look out for my summer closure letter which will detail all the positive changes we will be keeping.

Best wishes,

N. Regan
Nicola Regan
Headteacher

Be Exceptional!



KEY STAGE 3



Welcome back to the last half term of the summer term and this academic year! We have four weeks left before the summer break.

On Wednesday 9th June, Year 7 took part in the RSE Day Drop Down Day. Their normal timetable was suspended and they spent the day learning about all aspects of relationships. It is our belief at Millfield, that all aspects of the curriculum need to be addressed including PSHE and Relationship Education; it is our statutory duty as educators to ensure that our pupils achieve a well-rounded education. We hope the pupils enjoyed the day and took away valuable information.

Options

All our Year 9 students have enjoyed having individual meetings with our Deputy Headteacher, Mr Humphreys, this week. They have been discussing their aspirations and option choices for September.

Mr Byrne
Head of Key Stage 3

Remember!

| | | |
|---------------|-------------------------------------|---------------------------------|
| Year 8 | Revision Week 21/06/2021 | Test Week 28/06/2021 |
| Year 9 | Revision Week 14/06/21 | Test Week 21/06/2021 |





KEY STAGE 4

On Friday 28th May we said an emotional goodbye to our wonderful Year 11 students. It was a fun-filled morning with various activities including face painting, Batak machines, a photobooth, an inflatable obstacle course and, of course, ice cream. We enjoyed a wonderful street food barbecue before an assembly featuring music performed by some of our students. We are very proud of how resilient, hard working and mature our Year 11s have been. We hope they enjoyed their leavers' morning and wish them all the very best in their future plans.

All Year 10 students are currently competing in a "Blue Slip" competition. Students are awarded a blue slip for working well in lessons. At the end of the fortnight, the form with the highest

average number of slips will receive a celebratory pizza lunch.



As students move in to Year 11 it is important for the rest of the school to notice their different status in school. To that end Year 11 students wear a slightly different uniform. The senior student jumper which all year 11 students wear is available from Bispham clothing. Year 11 students also wear a red tie which is available through school via Parentpay at a cost of £5. Students have also received a letter about the purchase of a Leavers' hoody. These cost £25 which can be paid via Parentpay.

Year 10 are now the oldest students in the school and are beginning to assume the responsibility with that. Our fabulous Senior Student Team are currently writing a plan with lots of ideas to improve the school which they will present to the Senior Leadership Team next week. They are also working on various assemblies and projects. The team will also shortly be sending out a Google survey which they would like all students to complete.

We are looking forward to a successful few weeks with Year 10 in the run up to the summer holidays.

c.gower@millfield.lancs.sch.uk

Miss. Gower
Head of Key Stage 4

Deputy Headteacher's Maths Challenge

The Four 4s Problem

The challenge for this edition of the Millfield Messenger requires you to be very creative. Did you know it is possible to make any number between 1 and 100 using four 4s in the calculation? You can use +, -, ÷ or x and any other mathematical operation that you know.

So for example one way to get 15 could be:

$$44 \div 4 + 4 = 15$$

Or to get 17 you could do:

$$4 \times 4 + 4 \div 4 = 17 \text{ (remember to use the order of operations)}$$

See if you can make the remaining numbers from 1 to 20.



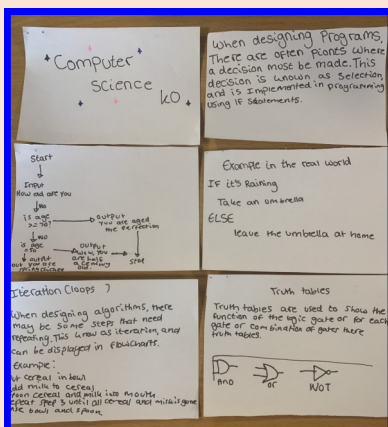
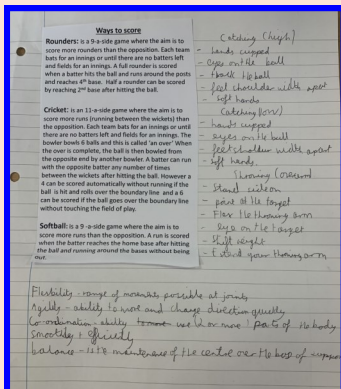
Please email your solutions to: b.humphreys@millfield.lancs.sch.uk

There will be a prize for the solution with the clearest explanation.

Excellent Knowledge Organisers

Year 8

Well done to Sophie Eden and Chloe Cantley for some excellent revision resources.



HOT CHOCOLATE WITH THE HEADTEACHER

Year 10

- Ella-Rae Bailey
- Isobel Farey
- Tillie-An Davenport
- Hannah Boden
- Jessica Broadbent
- Emily Roberts
- Emily Richards

All of the students have been nominated by Miss Kilmartin for their excellent work in Dance.

Be Exceptional!



VERY IMPORTANT

REMINDER ABOUT FACE COVERINGS

Please make sure your child has a face covering when coming to school. It would also help if you could send your child with a spare. Thank you.



YOUNG AT HEART? VOLUNTEERS NEEDED

Interested in joining a new & exciting group?

- Meet new friends
- Gain new skills
- Build your confidence
- Work in your local community
- Support the work of your local charity, Trinity Hospice
- Contribute towards your Duke of Edinburgh Award
- HAVE FUN!

Help form a new fundraising support group for Trinity Hospice

Help Trinity Hospice care for over 5,000 people a year, raising vital funds and awareness across the Fylde Coast

Get in touch today
 Elaine Midgley
 elaine4midgley@yahoo.co.uk
 07970 008762

Supporting Thornton-Cleveleys Friends of Trinity Hospice



Teaching and Learning Tips

This term we will focus on techniques to improve memory recall and effective revision strategies. This is to support our students as they prepare for summative assessments. Key stage 3 students have a revision and test week this term and key stage 4 students should be developing good study habits to learn and remember more in preparation for their final examinations or assessments.

Revision strategy 4: Knowledge Organisers

Why are knowledge organisers useful?

A knowledge organiser is a great way to organise important information. It shows you what is essential to learn.

How to create a knowledge organiser:

- Get a template from the school website (or make your own using an A4 sheet of paper).
- Each grid must have an overall theme.
- Write a key term and a short explanation in each box.
- You can include diagrams to support your learning

SH Angles and Trigonometry
So Polygons, angles and parallel lines

Important ideas:

- The sum of the interior angles in a polygon can be calculated by finding about the number of triangles that can be made in the polygon. This is always 2 less than the number of sides.
- It doesn't matter how many sides a polygon has, the exterior angles always add up to 360°. This is true for all polygons.
- When solving angle fact problems you must use three-letter angle notation. Use either line notation or state every angle used. You can't tell the 'position' of where you solved the problem.
- Consecutive angles share one side. They form an angle that contains it. They are not necessarily adjacent and you can't use all the angles they form.

Important vocabulary:

- Polygon:** A closed shape with 3 or more straight sides.
- Regular polygon:** A polygon with all sides equal in length and all interior angles equal in size.
- Hexagon:** A polygon with 6 equal length sides. The six interior angles are equal in size.
- Equilateral triangle:** A triangle with three equal length sides. The three interior angles are equal in size.
- Interior angle:** An angle between two adjacent sides inside a polygon.
- Exterior angle:** An angle between a side of a polygon and an adjacent side extended outward. Lines that form the exterior angles are supplementary between them. They never intersect.

Key facts to memorise- polygon angle facts

Properties:

- 3 sides: Triangle
- 4 sides: Quadrilateral
- 5 sides: Pentagon
- 6 sides: Hexagon
- 7 sides: Heptagon
- 8 sides: Octagon
- 9 sides: Nonagon
- 10 sides: Decagon

Polygon angle facts:

- Sum of interior angles in a polygon with n sides is $(n-2) \times 180$
- Sum of exterior angles in a polygon is 360°
- Interior angle + exterior angle = 180°

Key facts to memorise- basic angle facts

Basic angle facts:

- Angles around a point add up to 360°
- Angles on a straight line add up to 180°
- Vertically opposite angles are equal
- Angles in a triangle add up to 180°
- Angles in a quadrilateral add up to 360°
- Base angles in an isosceles triangle are equal
- Angles in an equilateral triangle are all 60°

Key facts to memorise- angles in parallel facts

Angles in parallel lines facts:

- Corresponding angles are equal
- Alternate angles are equal

Learning objectives knowledge structure

Historical importance:

000 BC: Greek mathematician Euclid wrote a collection of 13 books called the Elements. These introduce and prove angle facts and important ideas in number theory, geometry and basic arithmetic and algebra. Most mathematicians use the Elements as the most important work in their series. It introduced the idea of using logic to prove theorems in maths.

1600 BC: Babylonian user of trigonometry. Theorems in trigonometry to find upper and lower bounds for the value of π . The first method to be described by a regular polygon method. Theorems in trigonometry to find the circumference of the circle. The first method to be described by a regular polygon method of sides touching the circumference of the circle. By calculating the areas of the polygons and knowing the area of the circle was possible. This value is used to find upper and lower bounds for the value of π .

| History Knowledge Organiser: Britain, Health and the People | | | |
|---|---|---|---|
| 1. Britain: health and the People Timeline: | | | |
| Period | Beliefs | Key developments and events | Individuals |
| 1. The Middle Ages 476-1453AD | A period of turmoil and recovery after the fall of Rome. The rise of the Catholic Church. | Fall of the Roman Empire The Black Death | Bacon Rhaese Ibn-Sina Ibn Nafis Galen (Ancient Greece) |
| 2. The Renaissance 1445-1750AD | An age of discovery, where people rediscovered on education, and beauty. | The Printing Press The Great Plague Challenging Galen | Vesalius Harvey Park Paracelsus Gutenberg |
| 3. The Enlightenment/ Industrial Revolution 1750-1900AD | A period with a huge boom in population, a focus on science and eventual government help. | Disection Cholera outbreaks Germs theory | Jenner Hunter Pasteur Koch Simpson Lister Hulsted Snow Chadwick |
| 4. Modern Day 1900AD-Today | A period of governmental involvement in public health and science and technology. | Major flu/cris World War One World War Two | The welfare state The NHS Antibiotics Ehrlich Lloyd George Beveridge Beech Gilles McIndoe Flaming Flory & Cham |
| 2. Galen and Hippocrates: | | | |
| <ul style="list-style-type: none"> - Before the Middle Ages, two doctors had been extremely important in the empires of Ancient Greece and Ancient Rome: Hippocrates and Galen. - Before Hippocrates and Galen, most people believed that diseases were supernatural punishments from the Gods, which could be healed through offerings and prayer. - Hippocrates is known as the "father of medicine". He argued that doctors should observe patients to find out what was wrong with them. - Hippocrates believed that there were four fluids in the body, called humours, which needed to be kept in balance to keep patients healthy. This could be achieved by controlling exercise and diet. Medicine was seen as a last resort. - Galen, a Greek doctor in the Roman Empire, built on Hippocrates' ideas and made them popular. - Both doctors wrote a huge number of books, many of which remained in use up to the 19th century. | | | |

Year 10 Virtual Work experience with Victrex – June 2021

During the May half term, some of our Year 10 students took part in a Virtual Work Experience with the local business Victrex. The aim of the work experience was to inspire the next generation and showcase some of the roles within STEM (Science, Technology, Engineering and Maths), busting some of the common myths through a fantastic opportunity, bringing together students and the best in practice Industry experts through a 2-day virtual work experience programme.

Students on the programme were tested on their creativity and problem solving skills and learnt more about what a career within Product Design, Project Management, Sustainability, Research, Science, Technology or Engineering could look like. Students developed their decision making and team working skills and this is what our learners said about the fantastic experience:



- ⇒ “From my Experience at Victrex I learnt about the company and what they actually do. I also learnt about how you could write a CV and what questions would be asked at an interview.” **Liam Howarth-Maney**
- ⇒ “I learned more about the education journey.” **Josh Bentley**
- ⇒ “I expanded my understanding of the business and how it runs. I also got a further understanding of an apprentice is, as this is what I want to pursue in later life.” **Stuart Hadgraft**
- ⇒ “From my Victrex experience I have further improved my problem solving skills and my knowledge of the industry.” **Logan Shaw**
- ⇒ “From my Victrex experience I learnt to work under pressure and I have improved my teamwork skills. I have also learnt about what Victrex does and I have improved my problem solving skills.” **Gabriel Lukose**
- ⇒ “When I was doing the Victrex work experience I learnt more about how Victrex works and have expanded my problem solving and communication skills.” **Bradley Howarth-Maney**



Pastoral and Wellbeing



I can't believe we are so close to the end of the school year! I think we would all agree that this year has had its challenges but it is also has provided many opportunities. We've spent some time reflecting on what has worked well this year and I am really pleased to share the following with you:

- ◆ Students have told us that being separated from different year groups has been a positive and so, whilst we will continue to encourage students to mix year groups whilst in the canteen, the outside spaces will have designated zones for each year group.
- ◆ Each year group will be based in an area of the school for form time. This will enable us to run inter-form competitions within a year group much more easily.
- ◆ We will have a new behaviour policy that is linked to the rewards system to ensure that *all* students can be rewarded every single week. I will be giving your more information on this in the final edition of the Millfield Messenger.
- ◆ Key stage 3 and 4 will have different toilets at social times.
- ◆ The House system will continue but we have divided them into year groups so that, for example, the year 10 Bears will compete against the Hawks, Sharks and Rhinos. This will ensure the competition is fair with all students, regardless of year group, able to win lots of rewards and prizes for being exceptional.
- ◆ In line with the above point, the House Intervention Managers will now be assigned to a particular year group. Again, I will be providing more information on this in the final edition of the Millfield Messenger.
- ◆ The new Student Leadership Team have been appointed and they have already been very proactive. These exceptional students will be assigned to form groups in year 7 – 9 to provide advice, support and guidance for our younger students.

It really is such an exciting time and I can't wait to get back to normal and see how the students flourish. As the Charlie Mackesy drawing says, "this storm will pass" and when it does we will have a learned a lot, created new opportunities, and have a lot to celebrate with our exceptional students.

Mr. Deaville
Assistant Headteacher in charge of Behaviour and Safeguarding





Be Exceptional!

