# Be The Best You Can Be With CCSC

RETHE BET VOLCAN R

Week 14 - Monday 11th December 2023



FAVOURITE		Year	Event logs	Conduct logs	Best pupil with most ELs			
	With Mrs Parton		1382 🗸	103 个	Pimblott, Isaac 7ND (24)			
-			892 ↓	131 个		Jackson, Betha	ny 8DG (20)	
(English)		Y9	631 🗸	175 ↓		Harper, Layla 9MH (12)		
Film	Notting Hill	Y10	281 <u></u> ↓	159 ↓		Colclough, Case	y 10AO (11)	
Place	Sidmouth in Devon. It's where	Y11	376 ↓	73 个		Willcocks, Jack 11LTA (13)		
PidCe	I got married.	Total Event Logs =		3562 ↓ 17%		Conduct Logs = $641 \downarrow 4\%$		
Team	Go Sports!!		Zero Condu	ct 100%	/		Best form	
Chocolate	Cadbury's Fruit and Nut bar					Attendance		
			Logs	Attenda	nce		Attendance	
Cana	Coldplay- Sky Full	¥7	168 (81%)			<u>97.3% 个</u>	Attendance <u>7MK 97.3% ↓</u>	
Song		Y7 Y8		/ 160 (77%	6)↓	<u>97.3% 个</u> <u>94.3% 个</u>		
	Coldplay- Sky Full of Stars (My kids favourite too!) The Hobbit OR		168 (81%)	<ul> <li>160 (77%)</li> <li>109 (63%)</li> </ul>	6) ↓ 6) ↓		<u>7MK 97.3% ↓</u>	
Song Book	Coldplay- Sky Full of Stars (My kids favourite too!) The Hobbit OR The Harry Potter Series	Y8	168 (81%) √ 123 (71%) √	<ul> <li>160 (77%)</li> <li>109 (63%)</li> <li>111 (66%)</li> </ul>	%) ↓ %) ↓ %) =	<u>94.3%</u> 个	<u>7MK 97.3% ↓</u> <u>8LH 94.3% ↓</u>	
	Coldplay- Sky Full of Stars (My kids favourite too!) The Hobbit OR The Harry Potter	Y8 Y9	168 (81%) √ 123 (71%) ↓ 118 (70%) ↑	<ul> <li>160 (77%)</li> <li>109 (63%)</li> <li>111 (66%)</li> <li>112 (69%)</li> </ul>	6) ↓ 6) ↓ %) = 6) ↑	<u>94.3% 个</u> <u>92.2% 个</u>	<u>7MK 97.3% ↓</u> <u>8LH 94.3% ↓</u> <u>9MO 92.2% ↓</u>	

### What's on THIS week? Y11 Exams Week 2

Mon Biology Citizenship Geography Tue English Lang, Drama, Tech CWK Wed Chemistry Tech & Italian Thu Maths Music Fri Physic Art & Photography CWK

Y7 Y8 Fustal Comp – Monday 11th Chester Cathedral Trip – Tuesday 12th Pantomime NUL – Wednesday 13th Community Day – Friday 15th

### What's on Next Week?

### Careers Week

Y9 Space Trip Wednesday 20<sup>th</sup>

Y11 Mock Interviews Thursday 21st

End of term Lunchtime finish Friday 22nd

### **REMINDERS!!!**

Students grades and reports now live on Isams.

Trip Payments Y9 Macbeth March Y8 Y9 CLW June



### and Billy Speakman <u>7SB</u>

For representing the school impeccably on the school trip to the New Vic. These pair went above and beyond to help members of staff and their peers throughout the day. I am so proud of you both!

# Y8

### Zach Lightfoot 8DG

Zach has had a really positive week. He has also shown a great deal of maturity and I have been impressed with this. Great work, Zach! Keep it up!

#### Ocean Paige Burnett 8LH

A superb pupil who demonstrates the exact qualities that I want every pupil to have. Organised, well mannered, works hard and gets involved in extra curricular activities. So many staff have good things to say about Ocean! Well done!

# Y9

### Lacie Lea 9MO

For applying 100% effort, keep it up!

### Jervis Lin 9YM

Superb attitude to learning at the moment and really focused. This is great to see Jervis!

### Evie Dykeman 10CK & Lennon Booth 10KDR

Putting 100% effort in in their exams and coming out with grades that reflec

### Tiegan Hill 11LE

For consistently working hard in all of her lessons, coursework and exams.

Teigan has also given up her own time after school to help others with their coursework

grades that reflect tasks. Well done, Teigan!

### **Charlie Jones 11LE**

For excellent effort in everything he does. Charlie always works to the best of his ability and is always willing to participate in lessons. Well done, Charlie!



# Lucky Dip Winners 11<sup>th</sup> December



### Zero Conduct Log Winners

Y7 Shutt, Olivia 7ND Y8 Taylor, Ryan 8SWL Y9 Gerrard, Ruby 9MH Y10 Woodcock, Tom 10CK Y11 Hobbs, Georgiana 11HB Outstanding Work Stringer, Lilly-Mai 8LH Science Event Log Plus Pinches, Liam 9IR

100% Attendance Nelson, Nathan 7ND

Be The Best You Can Be Work hard and get noticed! £5 vouchers OR Front of Queue Pass to Canteen OR Free break food for a week! PLUS entry into the BIG prize draw

Be The Best You Can Be Work hard and get noticed!

Please email Miss Edwards <u>kedwards@ccsc.staff.sch.uk</u> With your choice of prizes from above.



Look who made a **BIG** impression this week!

It hasn't gone unnoticed and we couldn't be more proud of you!



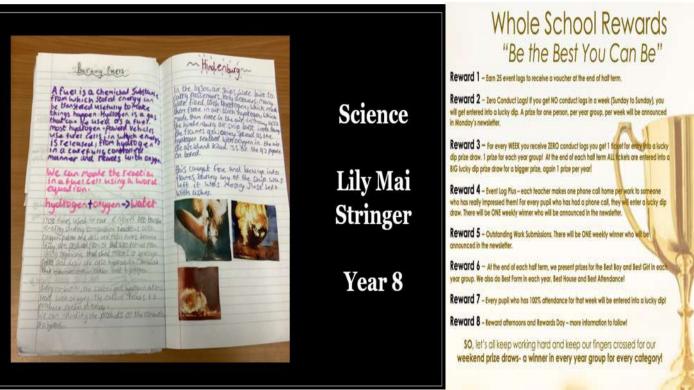
Booth, Eva	Jastrzebski,	Austin-Ryles,	Barker, Connor	Barlow, Ruby-
	Wiktor	Daniel		Mae
Colton, Angel	Lin, Jervis	Gough-Rhodes,	Finney, Lyla	Cooper, Ethan
		Joshua		
Sargeant,	Pinches,	Grant, Lee	Lench, Laci-	Goodwin-Shone,
Amelia	<u>Liam</u>		Jean	Ethan
	Smart, Zak	Knight, Alfie	Walklett, Lois	Mansell, Scarlett
	Warren, Brooke	Wilshaw, Bayley	Meral, Kuzey	McLaughlin,
				Kiera
	Vearsley	Young Tommy	Shone Leanne	
	MacKenzie	roung, ronning	Chone, Leanne	
	Colton, Angel Sargeant,	WiktorColton, AngelLin, JervisSargeant, AmeliaPinches, LiamSmart, ZakSmart, ZakWarren, BrookeYearsley,	WiktorDanielColton, AngelLin, JervisGough-Rhodes, JoshuaSargeant, AmeliaPinches, LiamGrant, LeeSmart, ZakKnight, AlfieWarren, BrookeWilshaw, BayleyYearsley,Young, Tommy	WiktorDanielColton, AngelLin, JervisGough-Rhodes, JoshuaFinney, LylaSargeant, AmeliaPinches, LiamGrant, LeeLench, Laci- JeanSmart, ZakKnight, AlfieWalklett, LoisWarren, BrookeWilshaw, BayleyMeral, KuzeyYearsley,Young, TommyShone, Leanne





A HUGE well done to all the pupils featured in this week's 'Outstanding Work'! We love seeing this each week..... Check it all out using the link

https://www.ccsc.staffs.sch.uk/index.php/news/556-outstanding-work-at-ccsc



# What has been happening?









This weekend, Year 8 Humanities able and talented pupils visited the Scottish Capital, Edinburgh. Whilst there, they visited Edinburgh Zoo, The Real Mary King's Close, the Christmas Markets and Fair, The Royal Mile and the Royal College of Surgeons. All pupils had a wonderful weekend and thoroughly enjoyed their time exploring Edinburgh .







On Wednesday our year 9, 10 and 11 GCSE PE students had a sports therapy careers session with Camille Davies. Camille gave the pupils an insight into what it is like to be a sports therapist in both a professional sports setting and clinic setting. Pupils learnt about daily tasks and different types of assessments sports therapists have to complete in order to carry out treatment. They even got to have a go and carry out some treatment on each other. One task was using tape to tape the ankle to support an injury where the ligaments had been damaged. Absolutely brilliant session for all pupils involved.

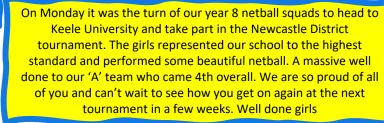


We took 170 of our Year 7 pupils to see The Nutcracker at @new\_vic\_theatre. The story followed Marie as she ventures with an enchanted Nutcracker to the Kingdom of Sweets. The performance was amazing and the pupils were enthralled throughout.





#### Tie Of The Week!!









### Year 11 Mock Exam Timetable - November/December 2023

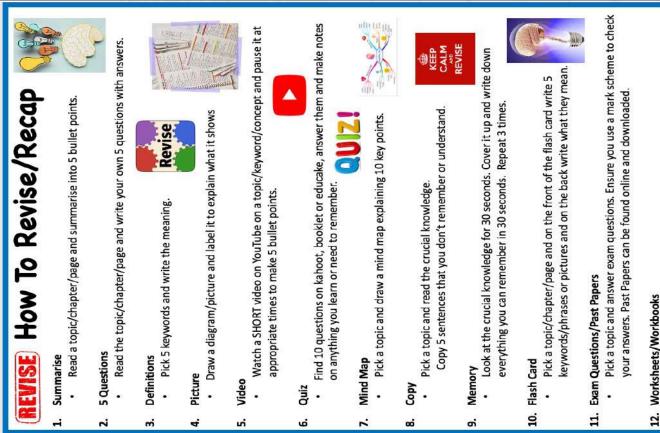
### NEW!!!

teacher and they will print/send you lots. Use your memory first and then use

other resources such as the crucial knowledge to help you.

Pick a topic and complete a placemat or worksheet on that topic. Ask your

				_			_					
Day	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
Monday 27th Nov. ober	2 hours - (1 hr exam each paper) 1 (Benort Dance studio 8:35) (				1hr 30m (report d	Citizenship - Paper 1 1hr 30mins Exam (report dance studio 11:05)		Lunch	Lunch Music Listening Exam 1hr 15mins of 11 (resource room 31 - 13;3		3;35)	
Tuesday 28th November	1hr 45mins Exam Report (Hall/Dance studio/Librar, 2-25)				Higher 1 Report 1	German Reading and listening Exams Higher 1hr45, Foundation 1hr 20 Report 11:05 - Venues TPP			Lunch	GCSE PE Exam - Paper 1 1hr 15mins exam Report Dance Studio 1:35		
Wednesday 29th November	1hr 30mins Exam Report (Hall/Dance studio/Library 8:50)				Report D	Soography - Plan 1			Lunch	Normal lessons		
Thursday 30th November	Combined (Ren	Biology Pape d - 1bs 11 m mes TBA.)	riple 1hr 4		1hr 45m Report D	Dance studio	11:05		Lunch	1hr 30min (report D	S 13:25) - e	early lunch
Friday 1st December	Higher 1h	eading and li ar45, Foundat all/Dance stu	tion 1hr 20	0	Food Exa 1hr 50m Report D		11:05		Lunch	Higher 1h	h15, Found ance Studio	tion1hr
Monday 4th excember	Combined (Report ti	Chemistry Pa d - 1hr 15 - Tr mes TBA.)	riple 1hr 4	5	Normal I				Lunch	Normal le		
Tuesday 5th December	2hr 15mir Report (H	torature - Paj ns Exam Iall/Dance stu	udio/ Ens	v 8:35)	1hr 45m Report D	Geography - paper 2 1hr 45min Exam Report Dance studio/Library11000			Lunch	GCSE PE Exam - Paper 2 1hr 15mins exam Report Dance Studio 1:35		
Wednesday 6th December	Combined (Report ti	Physics Pape d - 1hr 15 - Tr mes TBA.)	riple 1hr 4	5	Italian Re Report 1	eading and 	ding and latening Exams as, Foundation 1hr 20 05 and 1985 TBD			Normal lessons		
Thursday 7th December	Maths parties 1 hr 30 min	per 2 - Calcu		y 8:50)	RE Exam 1hr 45m	am _ paper 2 Smin Exam t Dance studio 11:05			Lunch	1hr 30min	er Science - ns Exam IS 13:25) - e	
Friday 8th December	Higher 1h	Vriting Exams 15, Foundati all/DS/Librar	<b>s</b> ion1hr	Normal	History E 2 hours -	Exams - Pape - (1 hr exam			Lunch	Normal le		
Monday 11th December	Combined (Report ti	Biology Pape d - 1hr 15 - Tr mes TBA.)	riple 1hr 4	5	1hr 30m (report d	h <b>ip - Paper 2</b> lins Exam dance studio			Lunch	Geography - paper 3 1hr 15min Exam Report Dance studio/Library 13:3		o/Library 13:35
Tuesday 12th December	1hr 45mir Report (H	all/Dance stu	udio/Librai	y 8:35)		in Exam Dance studio	11:05		Lunch	Selected p		
Wednesday 13th December	Combined (Report ti	Chemistry Pa d - 1hr 15 - Tr mes TBA.)	riple 1hr 4	5	1hr 50m Report D	Technology Exam 1hr 50min Exam Report Dance studio 11:05			Lunch	Higher 1h	riting Exam h15, Founda ance Studio	lation1hr
Thursday 14th December	1hr 30mir Report (H	all/Dance stu	udio/Librai	y 8:50)	Specific t	Music Performance Exams Specific times for pupils			Lunch			
Friday 15th December	Combined	Physics Pape d - 1hr 15 - Tr mes TBA.)		5	Art & Ph	otography D	Day - selected	d pupils	Lunch			



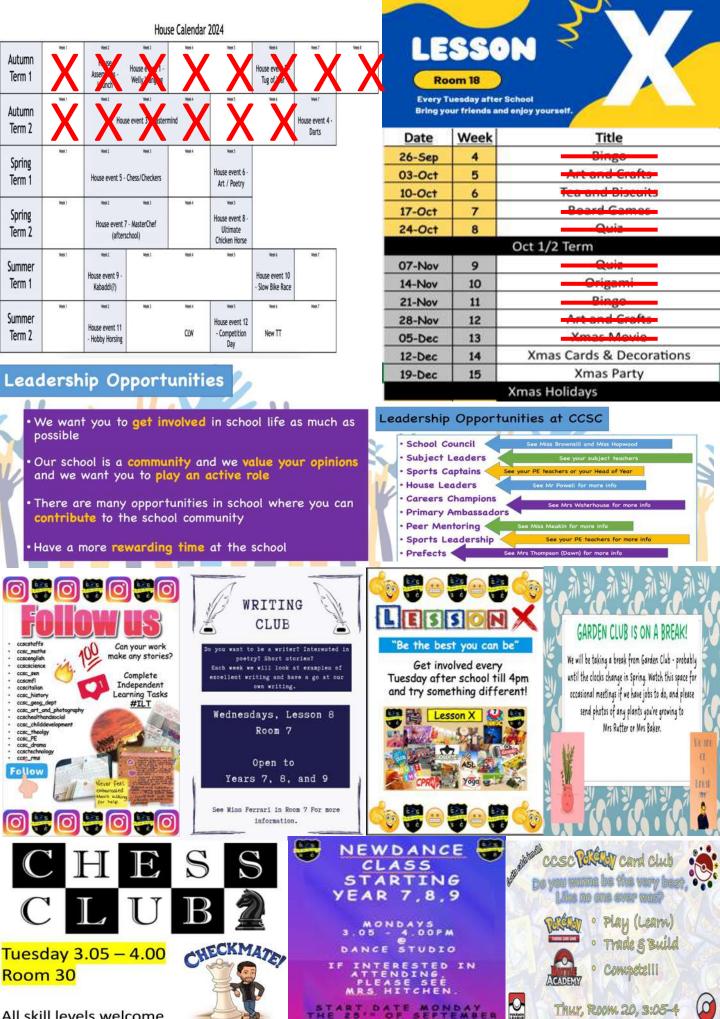
# After School Clubs & Extra-Curriculum

Extra Curricular (23-24)									
	Monday	Tuesday	Wednesday	Thursday	Friday				
Lunch	Peer Mentoring Y10/Y11 - Room 9		Peer Mentoring Y7/Y8/Y9 - Room 11	Writing Club Y7/Y8/Y9 - Room 7	Book Club  Y7/Y8 - Library 1				
After	Book Club - Library 1	Lesson X - Room 18	Garden Club - Room 3	Pokemon Club - Room 20					
<u>School</u>	Dance - Dance Studio	Chess Club - Room 30	Drama Club - Room 34						
<u>3:05</u> <u>- 4</u>									
		Boo	<u>sters (23-24)</u>						
	Monday	Tuesday	Wednesday	Thursday	Friday				
	Drama - Room 34	English - Rooms 5-9	English - Rooms 5-9	Business Y10 - Room 26	History - Room 24				
	Anna 20 pt a teach			the state of the statement					
	Music - Room 33	Business Y11 - Room 26	Science - Room 30	Spanish & French - MFL	Italian - MFL Rooms				
After School 3:05		<b>Religious Studies</b> - Room 34	German - MFL Rooms	D&T/iMedia - Workshop					
<u>3:05</u> <u>-4</u>		D&T/iMedia - Workshop	Health & Social/Child Development - Room 27	Health & Social/Child Development - Room 7					
				<b>Maths</b> Foundation - Room 11 Higher - Room 14					
		D	<u>Detentions</u>						
	Monday	Tuesday	Wednesday	Thursday	Friday				
Lunch Y7-Y9	Hall	Hall	Room 33	Room 2	Room 33				
<u>Lunch</u> <u>Y10-Y11</u>	Room 32	Hall	Hall	Hall	Hall				
<u>After</u> <u>School</u>		Uniform Quiet Room		Lates Canteen					
	· · · · · · · · · · · · · · · · · · ·		/	**					

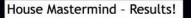


# 2023-2024 Winter Term. PE Extra Curricular Timetable.

Time	Monday	Tuesday	Wednesday	Thursday	Friday
Year 7, 8 & 9 Lunchtime	Astro	Astro	Astro	Astro	Astro
Year 10 & 11 Lunchtime	Astro	Astro	Astro	Astro	Astro
After School (3:05-4:00pm)	Staff Meeting Night	Badminton (All Years) – PS & LEH (LV) Girls Football (All Years) - AG. Boys Rugby (Year 10 & 11) – LEH (Starting in November)	Boys Football (U16) – PS, LEH, RD & LV Swimming (All Years) - AG Netball (Year 7, 8 & 9) – SB & GF	Netball KS4 – SB & GF Boys Football (U16) Fixtures	



All skill levels welcome





# Elgar





es 10/10

7111IN



Evie Y10 - One Direction 10/10 Lucas Y9 - Carpentry 8/10

ristmas

COMPETITIO

**DECEMBER 4-15** 

Create a video recapping the 3 house events so far:

> Welly Wanging Tug of War

> > Mastermind



House Mastermind - Results!



470 questions asked 347 correct answers 5 perfect scores - 10/10

# Tournament

And we have our first finalist...

The semi-final between Riley Critchlow and Jacob Ainscough was closely contested but in the end it was a magnificent win for Riley. Have a look at the checkmate he delivered ....



Semi-final - Result

Semi-finals (names drawn randomly for the white pieces)

1. Nathan Perry v Logan Hood

2. Riley Critchlow v Jacob Ainscough

1-0

#### Next week...

The hotly anticipated match between Logan Hood and Nathan Perry - both unbeaten in the competition so farl





### Exciting Opportunity!!!

### **Build and race**



The Largest Hydrogen **Competition in the** 

a hydrogen powered car



We are after the next engineers, race car drivers and leaders.

18 6 -Want to have a chance of racing the next gen hydrogen powered car to victory and earning your place in the Las Vegas showdown then see Mr Farr before Friday 1st December

We need two teams of





where Cornerstone Community Ce High Street Silverdale, ST56LY



World





HOLIDAY CLUB FOR GIRLS 5-16 HOLIDAY ACTIVITY AND FOOD CLUB

WHEN: OAM - 12PM 2ND - 5TH JANUARY 2024

juste

family





**Registration and Booking** www.staffordshire.gov.uk/ holidayactivities

For more info: Telephone -07825 265459

ACTIVITIES

ISAMS

All students can track their event logs,

conduct logs and attendance using the isams app which can be found in self service or from the App store.

Students log in details......

Username: firstname.surname Password: FSurname1234 (First initial, Surname followed by their ipad pin)

End of Term Reports are now live on Student and Parent Isams for you all to view.

Any problems with logging in please text or ring the office.

You can download the App or visit the website.

https://shorturl.at/chBH8

Be Prepared



Be the Best You Can Be Follow Instructions

# Know More, Remember More Understand It, Apply It



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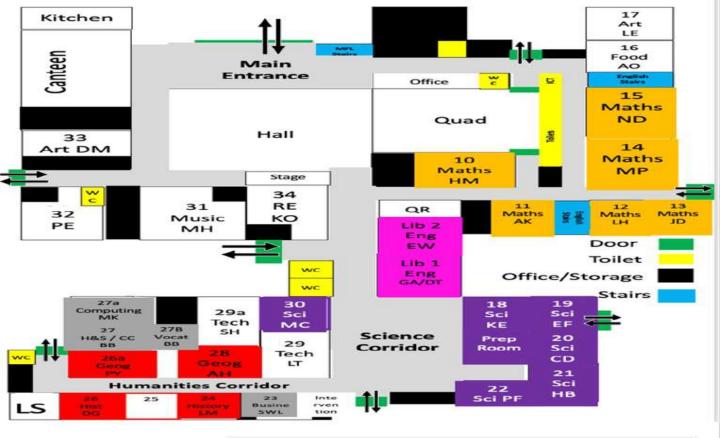
Don't forget to check your Emails and Teams notifications every day, especially your year group team page!!

8:20am – Arrive to school – Go to your form room 8:30am – You are in your form room – School gates close

BE ON TIME FOR SCHOOL

Pupils should be in their form room before 8:30am each day.

20	LATES If you are late to lesson	<b>2</b> 00	Lunch Times (Wet Weather)		
• 3 Late to Less			Period 8 (Y7, Y8 & Y9)	Period 9 (Y10 & Y11)	
→ Lunchtim	ne detention (HoY/KSL) + after-school detention (30 mins) son CLs	Monday	Sports Hall Library	Sports Hall	
→ Lunchtim	ne detention in Quiet Room + after-school detention (1-hour)	Tuesday	Sports Hall	Sports Hall	
<ul> <li>9 Late to Lesson CLs</li> <li>→ Day in Quiet Room + after-school detention (1-hour)</li> </ul>		Wednesday	Main Hall Room 27	Sports Hall	
12 Late to Le	sson CLs	Thursday	Sports Hall Library	Sports Hall	
→ <u>AT LEAST</u> time) + pare	2 days in Quiet Room + after school detentions (RS decides ent meeting	Friday	Sports Hall	Dance Studio	





# **Astro Rules**

Only pupils playing football should be on the astro – if not playing football, pupils must be **outside the astro fence**.

Please be aware that if there are too many pupils on a pitch, staff will stop play and reduce the numbers by moving some to another pitch.

Before footballs are handed out, the goals should be placed **on the lines** for each pitch and the **nets pulled across**.

Rules for games on the astro:

- Physical contact during the games should be minimal no slide tackling, shoulder barging, pushing, etc.
- Games should be played to the lines and the dividing net and games should restart with goal, corner kicks and throw ins
- o There should be no food eaten on the astro and pupils should not leave litter
- The whistle to end the game should be blown five minutes before the end of lunchtime and pupils should stop the game and leave the astro **immediately**
- There should be no:
  - football chanting
    - play fighting



### Independent Learning Sessions How should I use my time?



### Learn/test your Crucial Knowledge

- Pick a subject, then use the Crucial Knowledge resources to test yourself and learn anything you don't know
- You can find all the resources here: <u>https://www.ccsc.staffs.sch.uk/index.p</u> <u>hp/2013-09-25-09-25-35/all-</u> <u>files/crucial-knowledge</u>

### Read a book

- Improving your reading skills will help you in all subjects
- Find lots of books on the Sora app

### Make corrections and improvements

- Look at teacher comments in your exercise books or Class Notebooks
- See how you can improve previous work and have another go at it
- Look at any quizzes that your teachers have returned. Make notes on anything you got wrong and learn

### Complete all your Crucial Knowledge quizzes

- Work through all set Assignments in Teams
- Work through Educake, Kahoot, etc. quizzes set by your teachers

### Work through extra subject resources

- Go to your Teams classes
- Work through the extra resources that your teacher has put in your class Teams
- These resources will help to extend your subject knowledge

### Independent online revision

- All subjects: http://www.bbc.co.uk/bitesize
- All subjects: https://quizlet.com/en-gb
- All subjects: www.educake.co.uk
- All subjects: Kahoot! (For Science, search keccscb1, keccscc1, etc.)
- All subjects: <u>https://senecalearning.com/en-GB/</u>
- MFL: https://www.language-gym.com
- Maths: https://www.onmaths.com

### Make a 'to-do list'

- In OneNote (top of the page)
- Using 'Notes' on your iPad
- Or just on paper!

### Organise/tidy your notes

- Organise and tidy up work in vour OneNote notebooks
- Group pages together so your notes are in order
- Turn pages into subgroups so that topics are together

### Complete classwork & coursework

 Complete any work in your OneNote notebooks, exercise books, folders, OneDrive, etc.

### Complete exam questions/papers

 Check the exam board with each of your subjects, then search for past exam papers and mark schemes

Crucial Knowledge (all subjects): https://www.ccsc.staffs.sch.uk/ index.php/2013-09-25-09-25-35/all-files/crucial-knowledge

Curriculum Intent Documents: https://www.ccsc.staffs.sch.uk/ index.php/information/curricul um-and-gualifications

CCSC Parent Information Video: <u>https://www.youtube.com/wat</u> <u>ch?v=3I88V5qNVDk</u>

isams Information Video: https://www.youtube.com/wat ch?v=VEioIb-YHH4

Careers & Post-16: https://www.ccsc.staffs.sch.uk/ index.php/information/careerspost-16 A polite reminder. Leggings are not to be worn. If there is a problem with your child's uniform please contact the office in the morning.



for extra warmth)

# **English Department**





### English Stars Of The Week

EW: Teaghan Eardley, for always working incredibly hard in English, and having amazing creative ideas

KDR: Connor Downing – for his incredible description for 'My Teacher's a Witch' and his enthusiasm to share his writing with everyone.

**GA: Cole Beech!** For a solid effort in his recent Literature exam. Cole worked to the best of his ability for the duration of the exam and recognised the importance of asking for help when it is needed.

**<u>RF: Kian Miller</u>** for making really positive contributions this week and working hard to understand unseen poetry.

<u>AP: Levi Sarg-</u> He has tried so hard in his English exams over the last few weeks. I am really proud of him. ⊖

<u>NE: Noel Garside 7.2y</u> - constantly contributing in every lesson. He always gives 100% effort and is such a lovely boy to have in the classroom xx

KM: Angel Colton for the use of her amazing SMARTPERSON techniques in her non-fiction writing. Brilliantly composed and confidently read aloud too! Dead impressed.



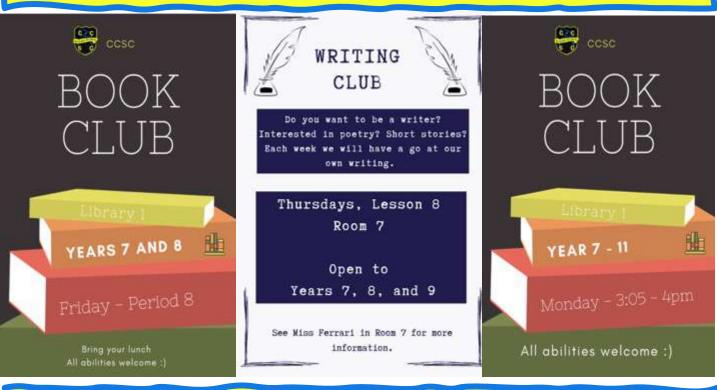
**£20.50** TUESDAY 5TH MARCH '24 REGENT THEATRE, STOKE

MACBE

Week		Tuesday	Wednesday	Week		Tuesday	Wednesday
1	Date	07-Nov			Date	05-Dec	
	Staff		KD		5. 4	RF	MDR
	Foll	P205	ACC - plot,		Focus	-15	ACC -
			character,				verty
			theme				
				6	Date	12-Dec	13-Dec
	Data	14 10-10	15-N		Staff	KM	NE
2	Date Staff	14-Nov	NF NF		Focus	P2Q2	ACC -
	lidii	boost					family
		DUC		7	Date	19-Dec	20-Dec
	Fr 45		ACC -		Staff	EW	GA
			cha. ster		Focus	P2Q3	ACC - key
			of				quotation
-	Date	21-Nov	NOV				s
	Stan	GU	GA				
	P.us	P2Q3	ACC -				
			context				
4	Date	28-Nov	29-N				
	Staff	KM		6 <b>1</b>	VF'	W!	
	Focus	-4	ACC -			~~ .	

demptio

# **English Department**



### **November Winner**

Winner: Phoebe O'Donnell

The Bookshop on Halfpenny Lane



Because it's the season of giving, we're going to give you an extra choice of what to write this festive season!

You have the choice of writing an acrostic poem that's inspired by the Christmas cheer. Or you can write a dystopian story in which Christmas doesn't exist anymore.

> For example: Sound numbing, Nature's blanket, O' how the children love it, White as a Christmas Night.

> > Or

Christmas. That was a word that had long been forgotten, many moons ago, by many people. But not all.

There was a collective of people who still secretly celebrated the ancient celebration. These people opposed the government's strict regime of no festivities, in order to feed and maintain the government's war machine, now sowing siege on the rest of the galaxy.

That was what humanity had become. Distilled down to a ravenous, all consuming obsession to survive by invading and extinguishing all threatening species.

Yet hope survived.

And it was tonight, on Christmas Eve, that the collective was to meet again ...

Email all Entries to Miss Ferrari-Evans by 13th of December



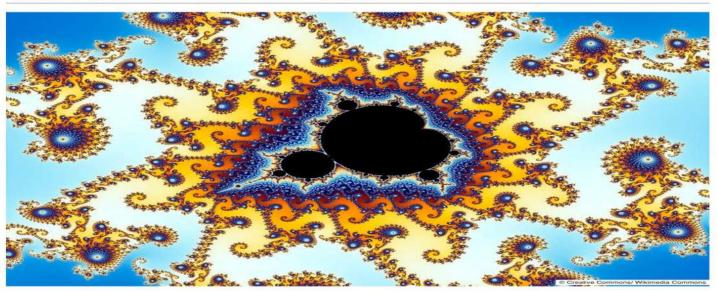


9 August 2022

#### Imaginary numbers are real, say physicists -The Day

theday.co.uk/imaginary-numbers-are-real-say-physicists

#### Imaginary numbers are real, say physicists



The Mandelbrot set: An aesthetic marvel created with imaginary numbers.

#### Is maths an art? For many, the idea of numbers that you cannot count seems bizarre. But now scientists are proving that we need imaginary numbers to understand the world we live in.

Maths can often be hard, but numbers, it seems to us, are easy. After all, we can see numbers in nature: you can count the number of apples on a tree, or fingers on your hand. Even some intelligent animals, like chimpanzees and dolphins, can count. Can maths really be so complex, we ask, if it is based on such simple foundations?

But it turns out this is too good to be true. The numbers that we can "see" in the real world – known as "**natural numbers**" – are only part of the story. In fact, many other kinds of number exist in the world.

One of the most important types of unnatural numbers today is **imaginary numbers**: square roots of negative numbers. They are particularly important when it comes to quantum physics, the branch of physics that studies the behaviour of tiny particles, like electrons. At this level, natural numbers all but disappear. If an electron could count, it would count in imaginary numbers.

It took some time for quantum physicists to embrace imaginary numbers. But now they have, they are discovering that imaginary numbers are more present in nature than we might have thought. They are vital for many calculations in the real world: they can explain how electric currents work and guitar strings work, and why things swing back and forth.

All this talk of imagination and tiny worlds has some asking if we need to rethink maths. They argue that maths is really an art.

Maths has always been integral to art. Leonardo da Vinci made use of the mathematical concept of the golden ratio in many of his most famous works, including the Mona Lisa and the Vitruvian Man.

The alliance between maths and art grew ever stronger in the twentieth century. Russian abstract artist **Wassily Kandinsky** made grand paintings using straight lines, concentric circles and triangles.

And Dutch painter **Piet Mondrian** became known around the world for his minimalist, geometric paintings, composed of nothing but coloured squares. He thought that this very abstract kind of painting was the truest form of art, because it emphasised art's distance from and superiority to ordinary reality.

But some go still further. They think maths is actually a *kind* of art.

For example, it is much harder to visualise negative numbers: no-one has ever had negative three fingers.

And so-called **irrational numbers** – usually the **square root** of a natural number – play an important part in our everyday lives. One of the most famous irrational numbers, **pi**, is essential for building anything containing circles. We could not have invented the wheel without understanding irrational numbers.

The definition of art has always been controversial. But one idea that has become more prominent in recent times is the idea of art as a practice. According to this idea, 'art' is a process by which we apply a consistent set of principles to produce something beautiful.

And maths, some argue, is exactly the same: applying rules systematically to create beautiful patterns from nature.

Is maths an art?

#### **Going round in circles**

Yes: Although we think of maths as analytical and stuffy, in reality mathematicians have access to a whole wonderful world of imaginary things. They are closer to artists than scientists.

**No:** Maths might be more impressionistic than we first thought, but it is still a rigorous process of discovery. Art is about invention and creativity. The two have completely different aims.

**Or...** Whether or not we consider maths a kind of art, the most important lesson to draw is that we can find art and beauty in everything, be it an abstract painting or a mathematical equation.

#### **Reading Levels**

Level 4

Level 3

# **MFL Department**

## El Día de los Muertos competition



Well done and thank you to the following students for their fantastic entries and for embracing Hispanic Culture. Our language leaders found it difficult to pick a winner, as we had some lovely work entered. Our winning entries are from: Mia Gould-Smith yr 8 Megan Cartwright yr 8

There are also runner-up prizes for the following students: Scarlett-Mia Wainwright yr 8 Phoebe Arrowsmith yr 7 Taylor McCutcheon yr 7 Brooke Kirby yr 8 Lucy Taylor yr 10 Lilly-Rose Windsor yr 8 Come to room 4 in the MFL department next Wednesday lunchtime to collect your prizes from Mrs Knight. Well done everyone!



MORE PLACES NOW AVAILABLE - SPEAK TO YOUR SPANISH TEACHER TO FIND OUT MORE!

Creative Learning Week

OLeaving on Sunday 23rd June 2024

OArriving Wednesday 26th June 2024

- Fly from Birmingham to Barcelona on Sunday
- See all the main sites including the Sagrada Familia cathedral, parks, food markets, marina, museums and a
- trip to an amusement park (Tibidabo)
- Stay at the BCN sport Hostel in the city centre
- Flights, transfers, 1 suitcase, breakfast and evening meals all included.
- You need money for lunch, snacks and shopping
- Return Wednesday afternoon
- Cost £640. Contact the MFL department to find out about when the payments are due



Miss Moscati's Star of the Week Jack Sadler for working very hard in lessons and completing his work to an exceptional standard.

> Mr Whitehead's Star of the Week Aimee Price for working well in lessons and making good progress

Mrs Knight's Stars of the Week Harry Austin for his consistent hard work and contribution in lessons



Mrs Orton's Star of the Week Kuzey Meral for a brilliant effort in his Spanish Mock Exams achieving outstanding grades. Keep up the good work Kuzey!

Mrs Rutter's Stars of the Week Alishia Maddock for always working hard in both Spanish and French

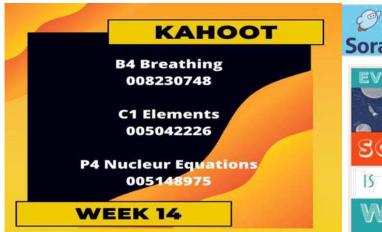


### MFL Boosters

All Year 11s for exam prep, and Year 10s for support.

Thursday, Room 2 3.15 – 4pm

# **Science Department**





16

The title is a bit controversial! This is an entertaining book that debunks popular science myths. Hair does not continue to grow after we die!

There are not only 7 colours in the rainbow!

And lots more ... Read this if you like annoying your science teacher!

**Science Book of the Week** 



**Best Class** 

7/1x Double



1Pn

Questions

7,505

% Correct Don't forget to log Year 7 76.2% into Educake

Educake

EVERY week and complete your weekly Crucial Knowledge Quizzes			65.4%       87.1%       73.7%       78.6%       77.1%       Qs Answered	1,447 2,616 818 257 12,643 <b>% Correct</b>	8/1y & 8/1x 9/1y & 9/1x 10/2y Double 11/1x Double Qs Set Themselves
			× ^	~ ^	<b>~</b> ~
1 Isaac Pimblott *	7	7/1x Sci KE	264	99%	0
2 Olivia Shutt	7	7 set 3 Sci EF	247	80%	0
3 Amaya Atkinson *	7	7/1x Sci KE	198	95%	0
4 Logan Wheeler *	7	7/1x Sci KE	184	92%	34
5 Lewis Shaw *	7	7/1x Sci KE	165	93%	0
Student	Year	Class(es)	Qs Answered	% Correct	Qs Set Themselves
1 Jacob Ainscough *	7	7/1x Sci KE	33	100%	0
2 Seth Kosturczak-Parry	9	9 set 1y Sci KE	15	100%	0
3 Shelby Churchill *	7	7/2y Sci MC	23	100%	0
4 Grace Sumner *	7	7/2y Sci MC	25	100%	0
5 Mikayla Walker *	7	7/2y Sci MC	28	100%	0

# **Maths Department**

### This weeks weekly crucial knowledge quizzes on Educake



## CCSC Maths Educakes

Complete this weeks Maths Crucial Knowledge Quiz EL's for 100% correct EL's for the leaderboard

	Name / Main Topic					End Date
	y9 crucial knowledge	9	Year 9 maths	0 / 167	15-10-2023	3 20-10-2023
(	Y8 Approximation	8	Year 8 maths	0 / 173	15-10-2023	3 20-10-2023
9	Converting metric units	7	Year 7 maths	0/208	15-10-2023	3 20-10-2023
-	Y11 Outcomes and probability	11	Many	0/45	15-10-2023	3 20-10-2023
	Y11 Fractions, decimals, Factors, Probability	11	Many	0/63	15-10-2023	3 20-10-2023
- 6	Y10 Crucial Knowledge Quiz	10	Many	0 / 119	15-10-2023	3 20-10-2023
	Y11 Fractions decimals Factors	11	Many	0/65	15-10-2023	3 20-10-2023
5						

Entry Requirements

# our future. Your wa



- se -3 subjects (or 2.8.1
- 5 days per week (15
- s) arily exam based anding entry lirements CSEs at Grade 5-9 ne A Levels require a

You must have GCSE English & Maths at Grade 5 or above

#### **T-Levels**

- ALevels

You must have GSCE English & Maths at Grade 5 or above

gineering & Sport

You must have GSCE English OR Maths at Grade 4 or abov

Vocational

Programmes

ubject broken into units udy 3-5 days per week (14-1)

alent to 3 A Levels (Le

#### Apprenticeships

- If you know exi

- - You must have GCSE English OR Maths at Grade 4 or above

#### **Progression & Skills** Pathways

#### ck overview:

**GCSE Maths & English** 

# Year 10 Work Experience

# **MONDAY 24TH JUNE** – FRIDAY 28<sup>TH</sup> JUNE

- Work Experience
- Find your own place!
- Deadline for information is Monday 5<sup>th</sup> February
- You will receive two forms tomorrow -**TAKE THEM HOME!**

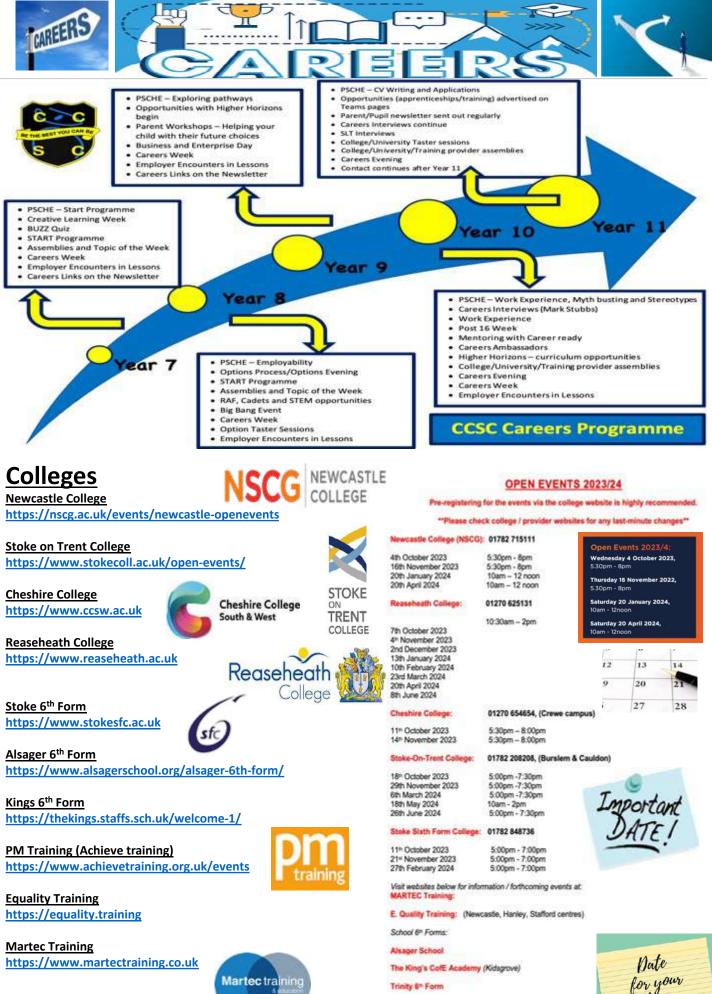
1.20	Electorian Community Sports College
	Employer Agreement Ferm
Section 8	
Name of Pupil	
Name of Company/Org	anisation:
Address	2020-0-0-22
Yalephone:	
tmail:	
Name of Contact:	
Section 3	
	he company named in Section 3 of this agreement, I agree to participate in the some for Chesterion Community Sports College.
Section 3	
Work Act and all delegat	any/organisation acknowledges its responsibilities under the Health and Safety a ted legislation, to ensure, so far as is reasonably practicable, the health, safety an duration of the work experience placement.
Section 4	
	ng a suitable risk exentment a significant risk remains within the workplace, the or undertake any of the following tasks:
(a) work that is beyond	physical or psychological zapacity
(b) work involving harm	ful exposure to agents which are tasic or carcinogenic
(c) work involving harm	oful exposure to radiation
(d) work exposing them	to extreme cold, heat, mone or vibration
(e) work involuing the ri- safety, lack of experience	${\bf k}$ of an accident which cannot be recognized, owing to their lack of $\ $ attention ${\bf t}$ or training
Section 5	



Work Experience Programme



Chesterton Community Sports College



St Joseph's College: (Trent Vale)

for your Diary

### New Trick Every Week!

### Magic trick of the week - try this!!!



### 10. The 'magnetic pencil' trick!

Get right to the point with this magic trick! You will need two pencils.

- 1. Hide pencil underneath your watch and sleeve (see picture below)
- 2. Hold pencil in left fist. Have audience facing back of left fist.
- 3. Hold left wrist with right hand.
- 4. Open left-hand fingers (right hand holds pencil to wrist).

5. Hide pencil underneath watch and sleeve. Only this time, extend the pencil from your sleeve and use it to hold the pencil in place.

6. Open left fingers, then remove right hand leaving pencil stuck to palm.

7. Ah haa! Your audience is now amazed and wondering how you got the pencil to stick to your hand. Well, That's the trick! Pretty easy?!

### I Have a Right (We all have Rights..... and Responsibilities).

#### A Right to Education

Article 28 of the United Nations Charter on the Rights of Children says that every child has the right to education. Receiving the right education is the key to unlocking a child's enjoyment of many other rights, and helping to ensure that children reach their full potential, ensure their well-being, and participate actively in society.

This comes with a Legal Responsibility on Parents/Carers of children to ensure their child both attends School and is not late without the Schools permission.

#### A Right to Free Speech

Under Article 10 of the Human Rights Act 1998, "everyone has the right to freedom of expression" in the UK.

A number of different UK laws outlaw hate speech. It an offence for a person to use "threatening, abusive or insulting words or behaviour that causes, or is likely to cause, another person harassment, alarm or distress". This law has been revised over the years to include language that is deemed to incite "racial and religious hatred", as well as "hatred on the grounds of sexual orientation" and language that "encourages terrorism".

#### A Right to Choose

Article 12 of the United Nations Charter on the Rights of Children says that every child has the right to express their views, feelings and wishes in all matters affecting them, and to have their views considered and taken seriously.

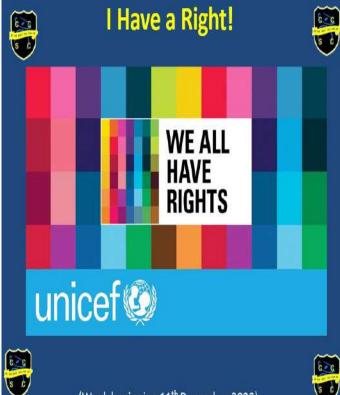
Schools are responsible for keeping children safe at school, and for providing the best education they can. To help them do this, they have certain legal rights with regard to applying disciplinary sanctions for unsafe and unacceptable behaviour.

eme of

the week

I have a

**Right!** 



(Week beginning 11<sup>th</sup> December 2023)



### Don't forget to check you emails and Teams DAILY to complete your homework quizzes/assignments!







Have an idea, event or news that you want to share in next week's edition please email Miss Edwards kedwards@ccsc staffs sch uk