



St John Plessington Catholic College



ISSUE 15

W/C 13 MARCH 2017

NEWSLETTER

Coming Up

This Week - W/C 13.3.2017 (Week 1)

Mar 13 British Science Week
Yr 11 Beta Biology / Additional Science
ISA

Mar 15 British Science Week
Year 8 Enterprise Day

Mar 16 British Science Week
D of E Qualifier
Demo Day '17
Liverpool Philharmonic Orchestra
Key Stage 3 Concert
Year 12 UCAS Info Evening

Mar 17 British Science Week
D of E Qualifier
World Challenge India, School Leader
Training Day

Next Week - W/C 20.3.2017 (Week 2)

Mar 20 PSHE P3
Oxford and Cambridge University
Conference

Mar 21 Cambridge - Magdalene College
'Achieving Excellence' event

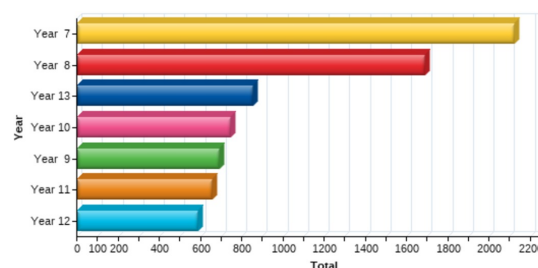
Mar 22 BTEC PE External Examination
RAF Stem Day
Year 10 Maths Feast 2017

Mar 23 BTEC PE External Examination
D of E Qualifier

Mar 24 BTEC PE External Examination
D of E Qualifier

VIVO REWARDS

St John Plessington Catholic College

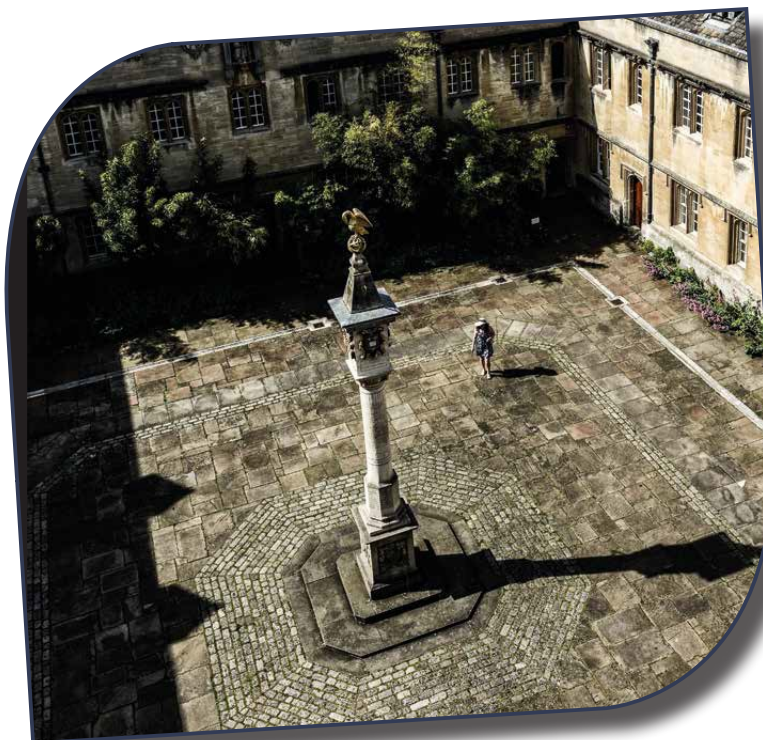


Oxford University Visit

Nine lucky Year 10 students recently enjoyed a trip to Oxford University. Accompanied by Mr Wellens and Miss Doyle (TA), they visit several of the campus sites, including the world famous Corpus Christi College, founded in 1517.

A students account below nicely summaries the day:
"It was an early start for everyone, but as the journey progressed our tiredness was replaced with anticipation for the famous university. We arrived in the picturesque town of Oxford, and after struggling for a parking spot, we found ourselves in a modern auditorium in St John's College. We were shown around different colleges, getting a great taste of university life. All the students were extremely friendly and it really helped us all to consider our future at university, possibly this university."

An added bonus on the day was Mr Wellens learnt how to use 'Google Maps' on his mobile phone - an educational day all round.



Thornton Science Park



"When I went to Thornton Science Park for a STEM trip with the RAF we caught cyber criminals, diffused bombs and built air ships! It was really fun because we got to decode messages and run around the building searching for bombs and USB sticks containing information vital to the criminal investigation."

A number of our girls attended a STEM trip during which they learnt all about how we can intercept messages and stop cyber criminals, they also had the opportunity to build their own air ships using circuit boards and gigantic helium balloons. A fantastic time was had by all and there were some budding engineers in the team.



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LITERACY CORNER

Dictionary Time!

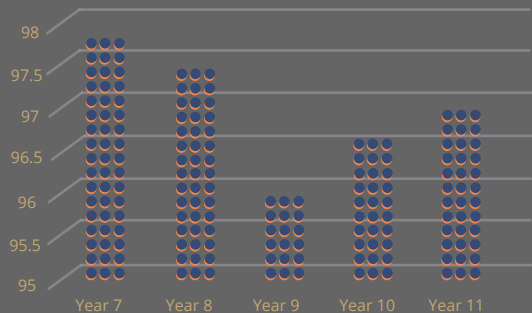
Here are three words which you will need to look up in a dictionary. If you can write all three definitions down, and write the words in a sentence, you will win a prize!



a) Ablution b) Soporific
c) Odious

See Mrs Connolly with your definitions and sentences!

ATTENDANCE 06.03.17 - 10.03.17



WEEKLY THEME "TRANSFORMATION"



Matthew 17: 1-9

Six days later, Jesus took Peter, James, and John, the brother of James, up on a high mountain by themselves. While they watched, Jesus' appearance was changed; his face became bright like the sun, and his clothes became white as light. Then Moses and Elijah appeared to them, talking with Jesus.

Peter said to Jesus, "Lord, it is good that we are here. If you want, I will put up three tents here—one for you, one for Moses, and one for Elijah."

While Peter was talking, a bright cloud covered them. A voice came from the cloud and said, "This is my Son, whom I love, and I am very pleased with him. Listen to him!"

When his followers heard the voice, they were so frightened they fell to the ground. But Jesus went to them and touched them and said, "Stand up. Don't be afraid." When they looked up, they saw Jesus was now alone.

As they were coming down the mountain, Jesus commanded them not to tell anyone about what they had seen until the Son of Man had risen from the dead.

BRITISH SCIENCE Week



This week is British Science Week and the theme is "Change". Year 7, 8 and 9 are invited to complete a poster to win year prizes and to be entered into a national competition to win bigger prizes! Make sure you complete and hand in your poster to your form tutor for Friday 17th March to be in with a chance to win. You will also get the opportunity to learn about some British Scientists in your lessons.

On Thursday we have Demo Day! All pupils who have Science will be able to watch some fantastic and explosive demonstrations.

All of our normal extra-curricular clubs are running:

Tuesday PM - the Bright Ideas Challenge - Year 9
Wednesday lunch - STEM Club - Spaghetti Challenge all years
Wednesday PM - STEM Club- Forensics - Year 7,
Eco-rollercoaster - Year 8 and Sustainable Fuels - year 10.



Particle and Accelerator Physics Masterclass Daresbury Laboratory

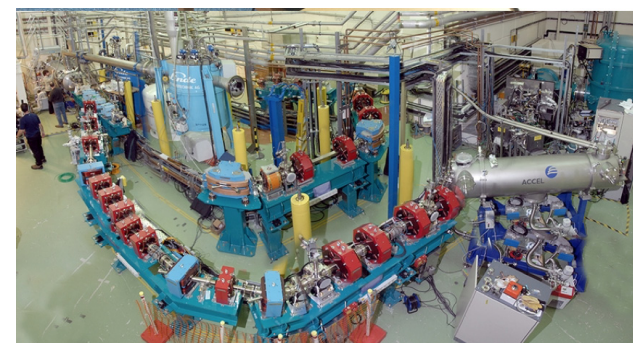


Our year 12 and 13 Physics students had the opportunity to attend a Particle and Accelerator Physics Masterclass at Daresbury Laboratory, which is a world-renowned centre of excellence specialising in particle accelerator technology. The laboratory has many international collaborations which include close links with CERN, and works to exploit and push the cutting edge of particle accelerator technology, which underpins research in particle physics. It was a fabulous opportunity for year 12 and 13 physics students to get a real insight into the technologies which underpin 21st century particle accelerators, and to see how these machines are used to push the boundaries of scientific technique and knowledge.

Staff from the Institute led the masterclass which combined lectures, demonstrations and hands-on practical sessions. The aim was to give an overview of basic accelerator technology and how this has been used to deliver the ALICE accelerator (Accelerators and Lasers in Combined Experiments) which drives the UK's first free-electron laser (FEL) – a state-of-the-art tuneable laser light source.

The masterclasses included:

- a history of the Daresbury Laboratory and the accelerator facilities it has hosted, augmented by a 3D visualisation of the ALICE FEL accelerator facility, and a tour of the actual machine
- a 'brief history of particle physics' lecture delivered by the University of Manchester
- an accelerator optimisation exercise to maximise particle beam collision rates in the LHC
- a data analysis exercise to extract particle signatures from real LHC collision data
- demonstrations of vacuum and superconductivity – both critical enabling technologies in modern accelerators
- a Virtual Reality interactive tour of the VELA particle accelerator.



SIXTH FORM SUPPORT SESSIONS

YEAR 12

After School

Monday	Tuesday	Wednesday	Thursday	Friday
	Media	Geography	Geography	Geography
	Physics	Maths	Chemistry	P.E (unit 1 & 2)
	Computer Science	Computer Science	Computer Science	DT*
	ICT BTEC	ICT BTEC	ICT BTEC	Maths
	Business Studies	Business Studies	Business Studies	Music*
	Music	Biology	Psychology	
	Sociology		English	
	Art		Applied Science	
	DT		DT	
	Ethics		Art	
	Geography		History	
			Further Maths	
			Art	

*By appointment

Lunch Time

Monday	Tuesday	Wednesday	Thursday	Friday
PE				
Performing Arts (Drop in Session)				

YEAR 13

After School

Monday	Tuesday	Wednesday	Thursday	Friday
	Eng Comb	Biology	Art	PE
	Eng Lit	Spanish	Chemistry	Philosophy & Ethics
	Physics	Maths	Applied Science	Health and Social
	Business Studies	Business Studies	Business Studies	
	ICT	ICT	ICT	
	Art		Sociology	
	Geography /WD		History	
	Psychology	Geography/WD	Geography/WD	Geography/WD
	DT PD/Textiles	DT PD/Textiles	DT PD/Textiles	DT PD/Textiles by app
	Perf Arts		Health & Social	
			Further Maths (x2 pupils)	

Lunch Time

Monday	Tuesday	Wednesday	Thursday	Friday
PE				
Perf Arts	Perf Arts	Perf Arts	Perf Arts	Perf Arts