BISHOP CHALLONER CATHOLIC COLLEGE

14th January 2020

Dear Parents/Carers

This term, Year 8 will sit their T1 assessments. These assessments will take place between 3rd February 2020 and 6thMarch 2020. Please note that some subjects assess students based on work they are completing in class and in these subjects there will not be a formal test. Students will be told the dates of individual assessments in advance by their class teachers. These assessments will be referenced when reports are written. However, this should not be highly anxiety-inducing; students should try their best.

One of the skills we are trying to teach our students is resilience: a 'can do' attitude. As such, we feel that this will give them an opportunity to learn and develop revision techniques which will be crucial for both these assessments and their future, more stringent, linear GCSEs. They will be taught revision techniques within class; however, they may need help in organising their time at home to revise effectively based on their homework and notes. Information for subjects outlining what topics to focus their revision on will also be circulated on the school website.

Assessments will take place in every subject. After this process, they will be marked and reported on at Parents' Consultation Day on Thursday 2nd April 2020. Appointments for this will be arranged shortly.

If your child is worried about this process or the assessments, please ask them to speak to their respective teachers, Miss Hunter or myself in advance of the exams.

Yours Faithfully,

Mrs Brown
Head of Year 8

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T1 Information Computing

A list of topics that will be on the T1 Computing assessment:

- Online safety
- Binary conversion
- Binary addition
- Simple binary shifts
- Python turtle
- Programming techniques: variable, loops and selection
- 3D modelling

T1 Information English

The tests will take place over two lessons in the last week before half term.

The reading test will involve reading a passage from some detective fiction (not seen in advance). There will then be some short questions on comprehension, inference and understanding vocabulary in context (just as Yr 7 P2), followed by an essay question requiring an extended, analytical response. Last term's assessment on The Number 1 Ladies' Detective Agency prepared student for this.

The writing test will be a creative writing assessment, inspired by a picture stimulus. They will be assessed on style, paragraphing and use of vocabulary, as well as accuracy and range of sentence structures, punctuation and spelling. Pupils are completing work on describing setting, character and creating intrigue this half term to prepare for this.

T1 information French

Pupils in X1, X2, X3:
Revise everything you have learnt from the beginning of the year:
Module 1: TV shows and types of films you watch, activities on the Internet, books you read
Module 2: activities in Paris naming some of its monuments and giving your opinion about them, how to use verbs in the perfect tense.

Pupils in Y1 and Y2:
Revise everything you have learnt from the beginning of the year:
Module 1: TV shows, types of films, how you use your phone/netbook on the Internet, what you do with your friends when the weather is nice/bad,
Module 2: activities we can do in Paris and what you like/dislike to do plus you will have to give their opinion.

The French department will update the website **frenchbc.weebly.com** where support will be available with links to Quizlet and more practice.

T1 Information Geography

Students need to revise the following:

- Where is Russia located?
- What are the major cities in Russia?
- What do the terms sparsely and densely mean?
- Which areas in Russia are sparsely and densely populated? Why?
- Why is pollution an issue in Russia?
- What types of pollution affect Russia?
- How does pollution affect Russia's economy and environment?
- What can be done to overcome problems of pollution in Russia?
- What is the capital city of Russia?
- What currency do they use?
- Who is the President of Russia?
- Why does Russia have an interest in the Arctic Ocean?
- How can oil and extraction be both positive and negative for Russia?
- What can be done to protect the Arctic?
- Why and how are Russia's coasts so different? (Climate, landscapes, human uses, topography).
- Is the Geography of Russia a benefit or curse for the country?
- Using compass directions to describe location.
- Four and six figure grid references.
- Measuring distance on a map.
- Interpreting simple graphs – bar graphs, line graphs, pie charts, scatter graphs.

Ways to revise:

- Mind map key topics.
- Make flash cards to help summarise information.
- Make a revision Powerpoint.
- Read and summarise your book notes.
- Test a partner verbally.
- Write out key vocabulary lists

T1 Information History

Students are completing an assessed piece of writing on the question "Was the Industrial Revolution a time of progress?"

They need to review their learning from the start of Y8 making sure they know what the Industrial Revolution was.

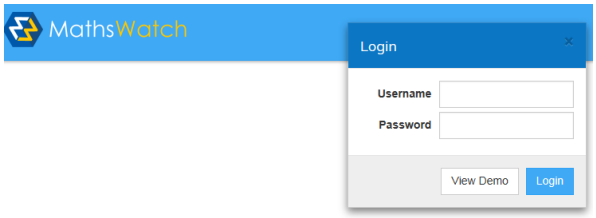
Topics that they need to know for their assessment include:

- Living conditions in Industrial cities and Public Health improvements
- Working conditions for men, women and children (mines & mills)
- How the slave trade supported the Industrial Revolution
- Politics in the 1800s - Chartism and reform.
- Irish potato famine.

T1 Information Maths

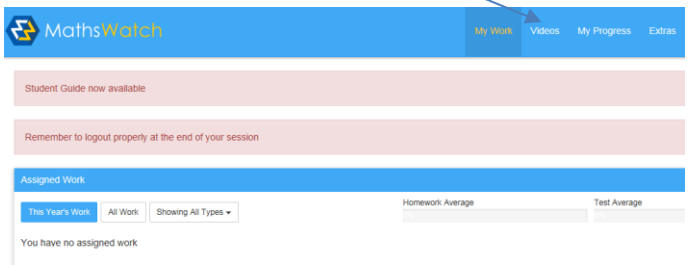
You will be undertaking your P1 in the week beginning 3rd February.
Your assessment will consist of Three papers, each 1 hour long.
We recommend that you use MathsWatch to help with your revision. Below are the clips that are relevant to the T1 topics that are to be tested.

Reminder: MathsWatch is at **www.vle.mathswatch.co.uk**

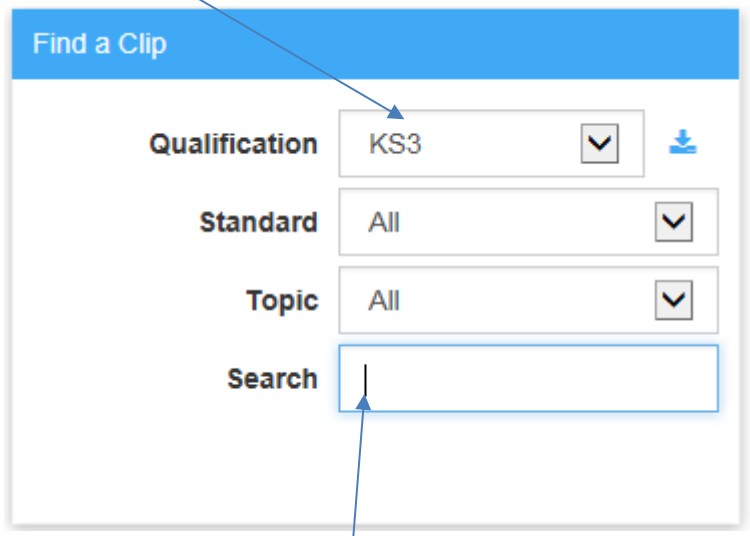


Your username is the same as your **Mymaths username @bishopchalloner**
Your password is **bishop**

When you log in, click on **Videos**



Select **KS3**



Search by entering the **Clip Number**

Your time on MathsWatch topics is recorded on the website; your teacher will be able to see how much revision you have done on Mathswatch!

If you want to revise other topics, you can search for them by topic.

The table below consists of all topic you need to revise to be successful in your T1 assessment. Along with each topic title is the Maths Watch clip reference number and a checklist you can fill out before beginning revision.

Topic to revise	**Maths watch clip number**	**I can do this well**	**More revision needed**
I can order numbers including decimals and negatives	N2a, N2b		
I can add and subtract integers (whole numbers)	N3a,N3b, N4a,N4b, N13a,N14a		
I can add and subtract decimals	N13b,N14b		
I can multiply and divide by 10,100,1000	N17		
I can read negative numbers from real life tables	N18		
I can add and subtract negative numbers	N19a,N19b		
I can use BIDMAS to correctly answer calculations	N20		
I can use Long Multiplication and division	N28a,N28b,N29a,N29b		
I can multiply and divide decimals between 0 and 1	N40a,N40b		
I Can use correct Algebraic vocabulary	A2		
I can write formulae expressed in words	A3		
I can multiply and divide algebraic terms	A7a,A7b		
I can collect like terms	A6		
I can substitute numbers into algebraic expressions	A10		
I can Rearrange Formulae	A13a, A13b		
I can solve basic equations with unknowns on one side	A12		
I can expand brackets	A8		
I can form and solve equations	A17		
I can find shade in shapes to show fractions, find equivalent fractions and simplify fractions	N23,a,b,c		
I can add and subtract fractions	N36		
I can multiply and divide fractions	N42a,N42b		
I can find a percentage of an amount	N24b		
I can increase/decrease by a percentage using a multiplier	R9a/R9b		
I can change to a percentage	N39a		
I can round numbers to nearest 10,100,1000	N27a		

I can round numbers to a given number of decimal places	N27b		
I can use correct Units	N7		
I can identify factors, primes and square numbers	N10,N30a		
I can write numbers as a product of their prime Factors	N30b		
I can use Index laws for multiplying/ dividing/raising to a power	GCSE 29 and 82		
I can simplify Ratio	R5a		
I can share between a given ratio	R5b		
I can express Ratio as fractions	R3		
I can use scale factors from maps	R6		
I can solve problems using direct proportion including unit pricing	R4,R8		
I can draw and interpret Pie Charts	S9		
I can calculate and interpret averages including mean, mode and median	S6,S7		
I can draw and interpret charts such as bar charts and pictograms	S1a,S1b,S2a,S2b		
I can calculate area and perimeter of 2d shapes including rectangles, triangles and compound shapes	G8a,G8b,G9,G17,G20a,G20c		
I can describe properties of quadrilaterals and Special Triangles	G14,G16		
I can describe properties of 3D shapes	G12		
I can calculate angles using basic angle facts	G13, G17		
I can plot and Identify co-ordinates in all four quadrants	A1a,A1b		
I can find the next term in sequences and can work out the nth term	A11		
I can draw straight line graphs	A14		
I can use the probability scale	P1		
I write probability outcomes as fractions	P2a,P2b		
I can use relative frequencies to predict expected amounts	P7		

T1 Information RE

In RE the T1 will be on the unit: Why do Christians suffer?

Students will be expected to secure knowledge on the following:

- Specialist Language (Key Words)
- Moral & Natural Evil
- Atheist & Humanist perspectives
- The Fall of Man
- Catechism of the Catholic Church
- Freewill
- Temptation
- Salvation

Key concepts:

- Why evil causes problems for religious believers
- How Christians respond to the problem of evil
- Why Jesus is a role model for Christians
- The origins of evil
- The importance of forgiveness and salvation
- Non-religious response to evil

Students have been provided with a revision sheet with all the necessary information and class time has been dedicated to preparing the students for this assessment.

Science T1 Assessment

There are two papers both are an hour long. **The assessments will be completed between 3rd February and 14th February.**

Paper 1 looks at breadth of knowledge asking short answer questions across a wide range of biology, chemistry and physics topics.

Paper 2 has longer questions which require the recall of knowledge learnt in lessons in detail, apply their knowledge to specific examples or unfamiliar contexts and to analyse and interpret information.

The science department have key stage 3 revision guides for sale.

Paper 1 content for revision

- The structures and functions of components of animal and plant cells
- The parts of a microscope
- Plant structures involved in pollination and the mechanism of pollination
- Plant germination
- Deficiency diseases
- The function of the skeleton and the role of muscles in movement
- Types of drug and addiction
- Role of the placenta and effect of alcohol on a foetus
- Elements, compounds and the arrangement of atoms in these substances
- Test for carbon dioxide
- Particle theory for solids, liquids and gases
- Changes of state
- Definition of diffusion
- The reactions of metals and alkali's with acid
- Universal indicator for measuring pH
- Thermal decomposition of metal carbonates
- Definition of luminous
- Wavelength and amplitude
- Law of reflection and refraction of light by water
- Colour and the dispersion of light using a prism
- Series and parallel circuits
- Magnetic metals and the benefits of using electromagnets
- The structure of an atom
- The production of static electricity

Paper 2 content for revision

- Breathing, the structure of the lungs and the effect of smoking
- The function of sperm cell structures
- Nutritional content of foods and the role of the different food groups
- Particles theory of gases and the effect of temperature on gas pressure

- Universal indicator solution as a measure of pH
- Neutralisation reaction between acids and alkalis
- The production of copper sulfate crystals from a solution
- Conservation of mass
- Exothermic reactions
- Forces – gravity and air resistance
- Calculations of weight
- Colour and why specific colours are seen
- Definition of ultrasound and calculation of speed of sound
- The resistance of a wire and calculations of resistance
- Changing the strength of electromagnets