Sacred Heart College Revision Book

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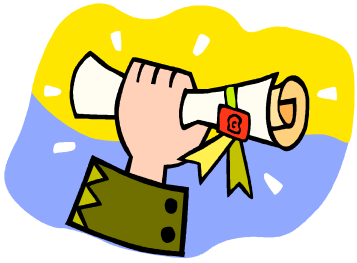
WELCOME

Welcome to the Revision Guide for Year 8 students.



Unfortunately, there is no easy way to pass tests, but we can give you lots of tips on how to use your study time more effectively. This guide has been written to remind students about how to revise and how to learn.

Although this booklet contains great tips and study skills, the guide isn't as important as the person reading it – YOU! It is you who have to put them into practice and apply them to your work.

You will find your exam timetable on Page 8

So, over to you – happy studying and good luck!

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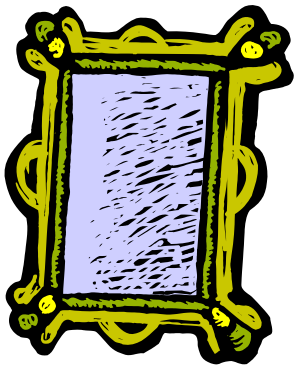
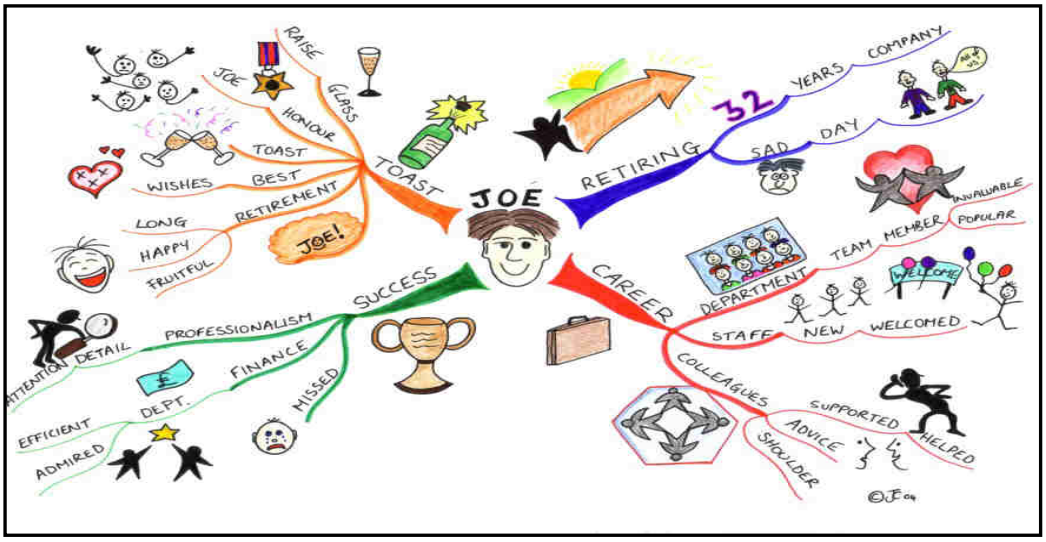
Revision means "to look at again". You need to look at things again as part of learning as well as in preparation for exams. But we need **active** ways to do this "looking again".



Revision gives time for reflection and learning. You can start to see the big picture, you can add in more details and examples.

The idea is to "revise" each major section of your work shortly after you have finished it. For instance, you could draw a Mind Map of each major topic you cover. Keep the Mind Maps because they will be very useful for revising before tests.



HOT TIP: Be active and change the way you think!

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WHY?

1. Revision helps learning
2. Revision increases your achievement in tests
3. Achievement in tests give you wider choices later on
4. Achievement will make everyone proud of you!
5. You will feel great!

It is important to be positive about yourself because people who think they can do well find it easier to learn.

HOT TIP: Get yourself a vision of success!

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WHEN?

Make sure you know when your tests are. Teachers will revise with you and give you advice about how much revision to do, what you should revise and many will give you special notes to help with revising.

Make yourself a **revision timetable**.

- Fill in leisure, relaxation and family commitments
- Put in some sessions that you can devote to revision
- Share out the available revision sessions between your subjects
- Here's an example for *one* weekend:

	Morning	Morning	Afternoon	Evening
Saturday	Football	Maths; geography	Science; RE	Video
Sunday	English; tech	Lunch at gran's	Still at gran's	French; history

The ideal length to revise one topic is **25 to 45 minutes**. There is a blank revision timetable included for you.

HOT TIP: Stop and start – create brief breaks!

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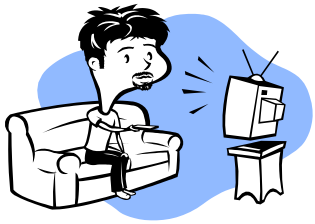
WHERE?

The ideal study room is light, airy and quiet; with shelves and a desk. Some people are lucky enough to have this and enjoy working in it. Don't worry if you haven't got this. You can still try to get some of the elements.

Vary your revision place. It's a good idea to put up posters, lists and post-it notes in other places in the house.

Some students find they revise well with friends and it is a good idea to do this sometimes as a bit of variety and fun.

Ban the television! Television is too distracting, so make sure it is turned off when you are working. Remember to keep a space in your revision timetable for your favourite programmes.



Lots of students find that some background music helps the revision process. Classical music such as Mozart can help to stimulate your brain waves. Avoid music with lyrics as you are likely to concentrate on these rather than your work!

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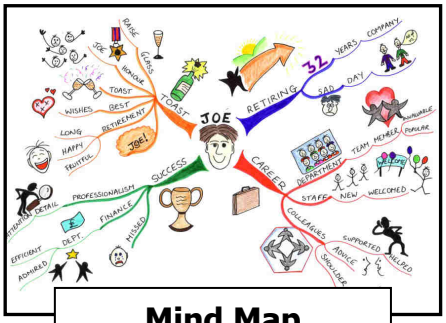
HOW?

There are three easy steps to doing revision well:

- ⋆ Change
- ⋆ Challenge
- ⋆ Treats



Mind Map

The first step is to try **change**. By changing what is in our exercise books or textbooks into a different form, we kick start our brains into action – we start thinking about new ways of presenting and digesting the information and start learning.

Ways to change things:

Outline Cards

- ❑ .
- ❑ .
- ❑

- ❑ Make diagrams
- ❑ Labelled drawings
- ❑ Time-lines (for history)
- ❑ Mind maps
- ❑ Charts and flowcharts (for processes)
- ❑ Audio tapes (great for languages)
- ❑ Outline cards
- ❑ Mnemonics
- ❑ Use colours and highlighters

HOT TIP:
Flick through outline cards before the test!

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End of Year 8 Test Timetable			
Summer 2022	**Test 1**	**Test 2**	**Test 3**
Monday 30th May	**Technology**	**English**	**Geography**
Tues 31st May	**History**	**Maths**	**H.Ec**
Wed 1st June	**RE**	**Science**	**CLASS**
Thurs 2nd June	***No School***	***No School***	***No School***
Fri 3rd June	***No School***	***No School***	***No School***

Equipment check

Please check that you have all the equipment you need for each day

Equipment	30th May	31st May	1st June
Black pens			
Red pen			
pencils			
Coloured pencils			
ruler			
rubber			
calculator			
protractor			
compass			

Home Economics – Yr 8

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- Safety rules and why they are important
- Hazards in the kitchen
- Hygiene rules and why they are important
- Equipment – name and use, parts of the cooker
- Nutrients – name of the nutrient and the job that the nutrient does
- Where food comes from
- Shops we buy food from
- Production of food e.g., flour to bread
- Nutrients and what they are needed for
- Eat Well Guide
- 8 tips for eating well
- Breakfast, why it is important, what problems could arise if you do not eat breakfast
- Key words from each unit

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You will be examined on:

- a range of the 4 communication skills: Listening, Speaking, Reading, Writing
- sentence structure
- vocabulary covered in class this year

❖ *Please refer to your notes for revision.*

❖ *Please use all the revision techniques you have been taught in class to revise for your summer assessment.*

Units of work:

1. Bonjour

   - Meeting and greeting people
   - Spelling in French

2. Quel âge as-tu?

   - Numbers 1-31
   - How old you and your friends are.

3. Joyeux anniversaire

- Days
- Months
- Seasons
- When your birthday is

4. Dans mon sac

- What is there in your school bag
- Indefinite articles
- Plurals

5. Ma salle de classe

- Describing your classroom
- Orders
- Definite articles

6. J'adore le judo

- Talking about likes and dislikes

7. Les Couleurs

- Saying what colour things are
- Using adjectives

8. Tu as un animal?

- Talking about animals
- Using verbs in negative and affirmative forms

9. Ma famille

- Talking about your family
- Using possessive adjectives, mon, ma mes ...

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Irish

You will be examined on:

- a range of the 4 communication skills: Listening, Speaking, Reading, Writing
- sentence structure
- vocabulary covered in class this year

❖ *Please refer to your notes for revision.*

❖ *Please use all the revision techniques you have been taught in class to revise for your summer assessment.*

Units of work:

1. Beannachtaí - Greetings

2. An Seomra Ranga – The Classroom

   - Classroom objects
   - Saying where things are in the classroom – prepositions, aspiration, sentence structure
   - Classroom orders

3. Na huimhreacha - Numbers

- Counting up to 199

4. An t-Am – the Time

- Digital to Analogue
- Telling the time using Analogue time

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HISTORY

Unit of Work: The Normans

- **Events of 1066:**

Key people who wanted to be the new King

- **Battle of Hastings:**

Extended writing task on what happened in the battle

- **Bayeux Tapestry:**

Source work using the Bayeux Tapestry

- **The Normans take control:**

Source work on William's army marching to London to claim their throne

- **Feudal system:**

Understand how William controlled England and be able to label the Feudal system

- **Motte & Bailey / Stone castles:**

Understand life in a castle and be able to label both castles

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- **Life in a castle:**

How to attack and defend a castle

Technology & Design

Materials

Wood - Identify Hardwoods and Softwoods
(Hardwood – Deciduous trees; Example Beech & Oak
Softwood – Evergreen trees; Example Pine & Fir)
How a tree grows

Plastic - Types of plastics, ways of joining plastic – Nuts & Bolts, Glue, Screws
How to finish edges of Acrylic- (Crossfile, Drawfile, Wet & Dry, Polish)

Tools & Machines

Recognize different tools and machines you have used
Recognize safety signs and symbols, rules and regulations
Recognise different hand files

Electronics

Recognize Circuit symbols and be able to draw circuit Symbols
Positive / Negative wires
Recognize Output components (LED, Buzzer & Motor)
LED's – function, use, identifying legs

Mechanisms

Mechanisms; Levers & Linkages
Class of Levers, Load effort and Fulcrum
Types of Linkages

Maths in TD

Costing question
Converting CM into MM

Dimensions

Design Question –

Recognize Terms Design Brief, Specification; be able to write up a specification and draw / illustrate a solution

Geography

MAP SKILLS	WEATHER
• What are maps? • Direction • Distance/scale • Symbols/Key • Grid references	• What is the weather? • Elements • Measuring Components of the Weather • Microclimates • Local factors which influence temperature & wind • What is Climate • What is Britain and Irelands Climate? • How does it rain? • Weather forecasts

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• Tyrone and surrounding areas • N.Ireland • Ireland • Provinces • Ireland • Counties • World: • Continents • Oceans • Mountains • Rivers	**SETTLEMENT** What is a settlement? • Factors influencing the location of early settlements • What are the main functions of towns? • What are settlement patterns? • What are the different land use patterns in towns? • Descriptions of buildings found in different land use zones • Examples of land use zones in Omagh • What is a settlement Hierarchy? • Problems associated with settlement.

Year 8 Religion

Class	Topic	Resources
8SOH, 8SMQ 8SGE	*The Bible:*Old Testament New Testament Contents page Bible References:How to find chapters and verses *Palestine in Jesus' Time*: Map and main areas, towns, lakes and rivers	Term 1 booklet Term 2 booklet

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	At Home in Nazareth Work in Home The Market in Nazareth The Synagogue Bar – Mitzvah The Resurrection Pentecost The Mass	Term 3 booklet
8CDO 8IFR	*Topic 1-The Bible:* Background information on the Bible Old Testament The Dead Sea Scrolls New Testament Using the Bible Stages in the Writing of the Gospels The Evangelists Topic 2- Baptism Remembering Our Baptism The Meaning of Baptism Things Used In Baptism Topic 3- Advent and Christmas An Advent Wreath Mary Gets Ready for Christmas The First Christmas *Topic 4-The Political, Social and Religious* *Background to Jesus' Mission*	Term 1 booklet Term 1 Booklet Term 1 Booklet Term 2 Booklet

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	Tensions in the Land of Jesus' Birth The Geography of Palestine Jewish Sabbath The Synagogue and Temple Jewish Religious Leaders The House in Nazareth Jesus At School	Term 2 booklet
	Topic 5-Lent and Holy Week Lent Jesus Shares Meals The Passover Meal The Last Supper In The Garden of Gethsemane Jesus' Trials: Before the Religious Council;Pilate	Term 3 booklet
	Topic 6- Easter and Pentecost The Empty Tomb Resurrection Appearances: Mary Magdalene The Eleven	Term 3 booklet
	Topic 7-Our Catholic Faith The Mass Leadership in the Catholic Faith	

	Organisation of the Catholic Church Getting to Know your Parish	

Science

Introducing Science

Safety rules for working in the lab
6 Hazards symbols and their meanings
Using apparatus safely
That mass is measured in g and kg (1000 = kg)
Use of top-pan balance to measure mass
That volume is measured in ml/cm^3 and litres (1ml = 1 cm^3) **and 1000 ml/cm^3= 1 litre**
To use a measuring cylinder to measure volume
The uses of the different Bunsen flames
Planning and carrying out investigations

Use of a thermometer to measure temperature
Use of temperature sensors and data loggers
Bar charts and line graphs

ENERGY

The different forms of energy
The meanings of potential, kinetic and gravitational
That energy can change/transfer from one form to another
Drawing energy transfer diagrams
Energy is measured in units called Joules (1000J = 1KJ)
Food is an energy source
Calculating the energy content of different meals
How to measure and compare the amount of energy in different foods
Different activities require different amounts of energy
Coal, oil and gas are fossil fuels
How fossil fuels are formed
Non-renewable energy resources = resources that will run out
Renewable energy resources will not run out/are always being replaced
Wind, waves, tides solar and hydroelectric are examples of renewable energy resources

Acids and Alkalis

Acids have a sour/sharp taste
Strong acids and alkalis are corrosive
Examples of common acids and alkalis
Acids and alkalis are chemical opposites
Neutral solutions are neither acidic nor alkaline
Indicators change colour to show whether solutions are acidic, alkaline or neutral
Litmus indicator is red in acids and blue in alkalis
How to make an indicator
How to use universal indicator and the pH scale to measure the strength of acids and alkalis

Acids have a pH<7 and the lower the number the stronger the acid
Alkalis have a pH>7 and the higher the number the stronger the alkali
Neutral solutions have a pH of exactly 7
The colours of universal indicator at different pH values
Acids and alkalis will cancel each other out in neutralisation reactions if mixed in the right proportions
Some egs of neutralisation reactions
Acid rain - how it is formed, what are its effects and how can it be reduced

Forces

Identify different types of forces
Forces can make objects: start moving, speed up, slow down, stop moving, change direction, or change shape
The difference between a contact force and a non-contact force
Upthrust is a force that enables objects to float
Force meters are used to measure the size of forces
The size of a force is measured in Newtons (N)
Describe the effects of a force on a stretching spring

Living Things

The 7 characteristics of living things
Labelling diagrams of plant and animal cells
Describe the function of cell membrane, cell wall, chloroplasts, nucleus, vacuole etc
Know how to use a microscope
Know that cells have different functions
Know how some cells are specialised
Understand the term classification
Identify the differences between plants and animals
Understand the terms vertebrate and invertebrate

Identify the 5 vertebrate groups
Know the characteristics of the 5 vertebrate groups
Know how to use keys to identify unknown things
Understand the terms cell, tissue, organ, system and organism

Environment

The meanings of the terms habitat, environment, biotic and abiotic
Animals need warmth, shelter, food, water and oxygen
Plants need water, light, space, warmth and air
Animals and plants are adapted to their habitats – well suited to survive there
Conditions in a habitat change on a daily and seasonal basis
How organisms survive changing conditions eg migration and hibernation
Use keys to identify organisms
Sampling plant numbers with quadrats
Sampling animals – pooters, tree-beating, sweep nets etc
Food chains and webs
Meanings of biodegradable and non-biodegradable
Recycling saves raw materials, energy, money, landfill space and provides employment
The materials that can be recycled
Conditions needed for rotting - microbes, warmth, water and oxygen
Mining, peat-cutting and quarrying may cause noise, dust and visual pollution, destroy habitats and may reduce tourism
Mining, peat-cutting and quarrying provide useful materials and employment

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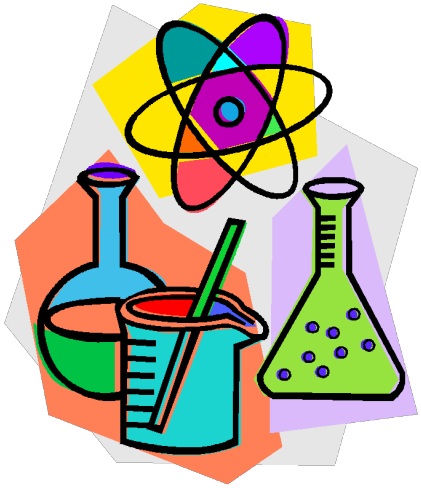

Mathematics

Revision Strategies for Maths

When revising a particular topic pupil should:

- Read through the notes in the text book and exercise book.
- Use the Key terms highlighted in purple throughout each chapter.
- Try out some practice questions from My Practice, My Review or Test yourself sections.
- Use the My Maths online resource, in particular the Booster Packs at the required Level.
- Try some easier questions and gradually increase the level of difficulty.

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Exam technique for Maths

- Read each question carefully.
- Show working out clearly.
- Leave any question you cannot complete and return to it later.
- Check your answer.
- Check if units are needed.
- Check accuracy required if necessary.
- Start a question even if you cannot complete it as this will gain some marks.

Bring in all equipment needed for the exam.

- Pen, pencil, ruler, rubber and protractor

Year 8 Revision List

Topic 1 Chapter 8 Statistics.	Topic 2 Chapter 1 Number	Topic 3 Chapter 2 Measures
Reading charts and tables. Frequency tables Mean, Median, Mode and Range.	Ordering numbers Negative numbers Type of numbers Worded problems Written methods of + - x ÷	Perimeter of a 2D shape. Area of a rectangle, triangle and parallelogram.
Topic 4 **Chapter 3 Expressions**	**Topic 5** **Chapter 4 FDP**	**Topic 6** **Chapter 5 Angles**

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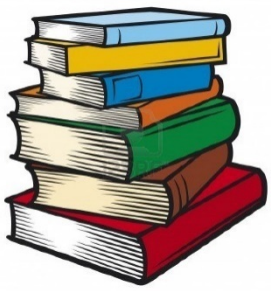
Collecting like terms Writing expressions	Mixed numbers and improper fractions Equivalent fractions Fraction of amount + and - fractions Changing between fraction, decimal and percentage Percentage of amount Percentage increase	Types of angles. Angles in a quadrilateral Properties of quadrilaterals Drawing and measuring angles.
Topic 7 **Chapter 6 Graphs.**	**Topic 8** **General Number**	**Topic 9** **Reflection and symmetry**
Co-ordinates in all four quadrants Drawing straight line graphs	Written methods of + - x ÷ including decimal calculations	Lines of symmetry on shapes Drawing reflections.

English



In your English exam there will be two sections:

- **Section A – a READING test**
- **Section B – a WRITING test**

In Section A, the reading test, you will be presented with a poem to read. You will then be required to answer some questions on the poem - this will test your understanding and knowledge of what you have read.

In your answers you will be required to:

1. locate information in the extract;
2. explain what has happened in the extract using inference;
3. analyse the writer's methods and the language used

You will be required to use evidence from the poem to support your answer.

In Section B, the writing test, you will be asked to write a piece of personal writing.

In your personal writing you should be able to:

1. address the question clearly;
2. offer engaging detail;
3. use correct spelling, punctuation and grammar

Art

In the Art Exam pupils will be doing a drawing.
To prepare for this the Art Dept. encourages the following;

Practise drawing skills, proportion, measuring and perspective.
Map out drawing using basic shapes, check measurements and proportions before drawing form, add detail and finish with tone.

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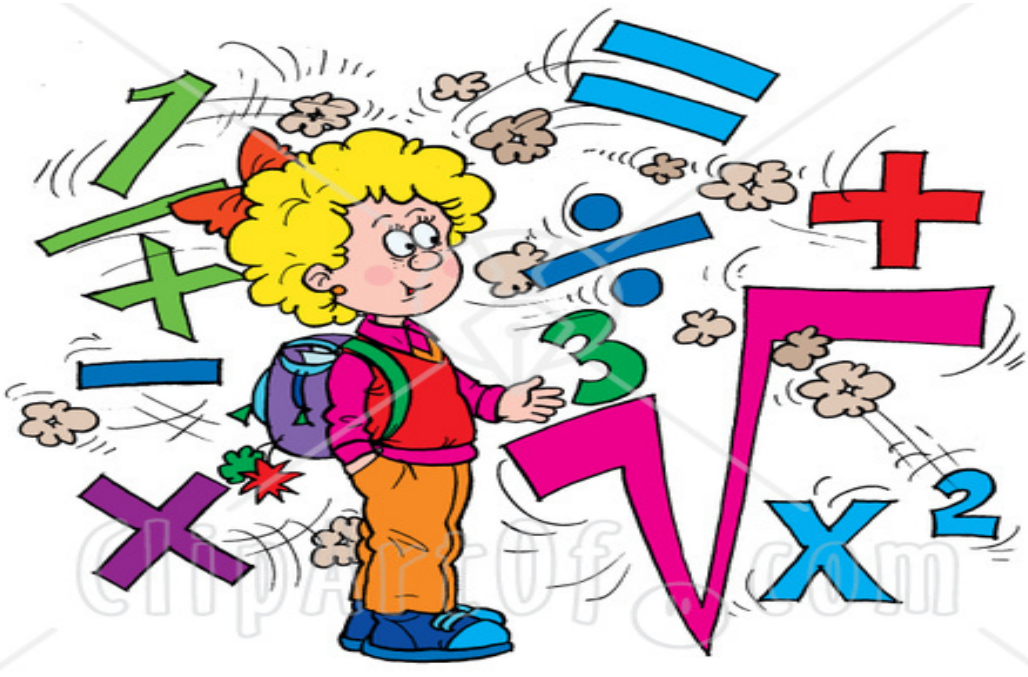

As you revise, record your progress using the table below

DAY/ DATE	SUBJECT / TOPIC CONTENT

DAY/ DATE	SUBJECT / TOPIC CONTENT

DAY/ DATE	SUBJECT / TOPIC CONTENT

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