

# Holy Trinity College



**JUNE EXAMINATIONS  
2021**

## **Year 9** **Revision Guide**

**Name** \_\_\_\_\_

**Class** \_\_\_\_\_



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## Prayer to the Holy Trinity



Almighty God, Father, Son and Holy Spirit,

Trinity of persons yet the one God,  
Bless our school community here at Holy Trinity College.

God the Father, source of all creation,  
Nurture in us a sense of true respect,  
support and friendship.

God the Son, our brother, Lord and Teacher, fill all of us who learn, teach and work with wisdom, understanding and love.

God the Spirit, Paraclete and Helper, guide us to seek the good in everyone and to celebrate the commitment and co-operation of all.

Most Holy Trinity, may our community share in your life and love as we journey in Faith and Hope,

# AMEN.

## 1.

Welcome to your Revision Booklet Year Nines!!

This booklet is going to be an important part of your daily routine over the next few weeks. Use it to the best of your ability and follow all the advice included by your teachers...they know how to help you achieve your maximum potential!! A lot of the information here will be backed up in your various Google Classrooms.

Some advice to help you over the next few weeks...

- Ask questions in class to make sure you understand the teacher.
- Take clear notes so you can review them later.
- Review your notes later. Rewrite them if they're messy or if it helps you to remember them.
- Study with friends, you can help each other.
- Don't be afraid to ask for extra help...Teachers will be happy to help!!
- Don't study in a setting with a lot of distractions eg in front of the TV
- Don't cram the night before. Plan ahead, set up a study schedule.
- Everybody has different studying techniques, figure out what works for you.
- Ask a friend, parent/guardian, or sibling to test you on the subject.
- Compare notes with the other members of your class.

2.

### The days before your exams....

Spend about 45 minutes going over your revision notes for each subject being tested next week.

If there is one exam day when you think the tests will be more difficult, then plan ahead for this by doing a little of one of those subjects earlier this week.

Go to bed early and make sure you have breakfast the next morning. You will not be able to concentrate if you have not eaten.

There may be time to study before some of the exams. Make sure you have notebooks and revision notes from those subjects with you.

This way you can refresh what you have learnt immediately before the test begins.

Take some time each evening to make sure you have enough pens, pencils, etc with you. It is disruptive to others when a pupil has to borrow during an exam.

Do out a revision plan for the week beginning **Tuesday 1<sup>st</sup> June** to study for the subjects you have next week. In your plan include some relaxation time, take a few hours off to watch T.V, meet your friends etc.

3.



## Maths

### **9EHU, 9SFO & 9DMG:**

Facts, figures and charts

Fractions and percentages

Personal finance

Algebra

Units of measurement

Angles and lines

### **9CSK, 9STE, 9MIM, 9CFO:**

#### **Facts, Figures & Charts**

Pupils will be able to:

Construct and interpret conversion graphs;

Construct and interpret stem and leaf diagrams;

Find averages (mean, median and mode) and range from a stem and leaf diagram;

Construct and interpret pie-charts;

Describe the correlation between two quantities;

Construct a scatter graph;

Draw line of best fit on a scatter diagram;

Use the line of best fit to make an estimate.

#### **Fractions & Percentages**

Pupils will be able to:

Revise material covered in Year 8;

Add and subtract fractions, including mixed numbers;

Multiply two fractions;

Multiply a fraction by a whole number;

Divide two fractions;

Divide a fraction by a whole number;

Calculate percentage increase and percentage decrease;

Use a calculator to add, subtract, multiply and divide fractions;

Solve problems that involve adding, subtracting, multiplying and dividing fractions;

Arrange fractions in order of size;

\*\*Calculate percentage profit, loss and discount;

\*\*Express one quantity as a percentage of another;

\*\*Calculate simple interest.

### Personal Finance

Pupils will be able to:

Make choices about spending and value for money;

Compare prices for similar goods with different quantities and identify the better value;

Understand the difference between a wage and a salary;

Understand how wages/salaries are calculated (hourly, weekly, annually, bonuses, overtime, commission, piecework);

Understand the difference between gross pay and net pay;

Understand what personal allowance, income tax, national insurance and pension contributions (superannuation) are;

Understand different ways to pay for goods and services and different forms of credit or debit arrangements (hire purchase, VAT);

Perform calculations related to household bills (electric, telephone..);

Understand how holiday currency is arranged and how to calculate conversion rates.

### Algebra

Pupils will be able to:

Know the difference between an expression, equation and formula;

Simplify algebraic expressions by collecting like terms;

Form algebraic expressions;

Substitute numbers for letters in an algebraic expression or formula;

Solve simple linear equations using functions or balance method;

Find the n'th term of a sequence;

\*\*Multiply and divide algebraic expressions;

\*\*Expand expressions containing single brackets;

\*\*Factorise simple algebraic expressions;

\*\*Solve linear equations involving positive and negative terms;

\*\*Form a linear equation for a problem and use it to solve the problem.

### Units of Measure

Pupils will be able to:

Choose and use appropriate standard units to estimate, measure and record length, capacity, volume, 'weight'

Estimate and measure length, 'weight'/mass, working to an appropriate degree of accuracy;

Convert from one metric unit to another;

Read a variety of measuring instruments;

\*\*Use, convert and calculate measures involving metric and, where appropriate, imperial units capacity, volume;

### Shape & Angle Properties

Pupils will be able to:

Know the properties of the special types of triangles and quadrilaterals;

Find missing angles in triangles and quadrilaterals;

Know the angle properties of parallel and intersecting lines;

Know what is meant by a regular polygon;

Differentiate between interior and exterior angles;

Know that all the sides are equal in a regular polygon and that all the angles are equal;

Know that an interior angle and an exterior angle add up to  $180^\circ$ ;

Know that the sum of the exterior angles is  $360^\circ$ ;

Know that the sum of the interior angles of an  $n$ -sided polygon is  $(n - 2) \times 180^\circ$ ;

Find the number of sides in a regular polygon if you know the size of each interior or exterior angle;

Find the exterior or interior angles in a regular polygon if you know the number of sides.



### English Revision List

You will complete a standardised English test which will assess your reading and writing. You will complete exercises in the following areas:

- 1) Spelling
- 2) Punctuation
- 3) Grammar
- 4) Comprehension- reading for meaning
- 5) Vocabulary
- 6) Synonyms
- 7) Meanings of words

You should revise the following topics:

- Spelling rules, common mistakes with spellings, homophones, patterns of words, single and double letters, rules for plurals, prefixes and suffixes.



- Punctuation rules for the use of the full stop, comma, apostrophe, colon, semi colon, question mark, speech mark and exclamation mark.
- Grammar rules- tense, verbs, nouns, adjectives, adverbs and creating sentences.
- How to read for meaning.
- Infer meaning of new words from surrounding text.
- Make sense of unfamiliar language.
- Synonyms and antonyms.
- Meanings of different words.



## Science

**All classes except 9DMG & 9SFO:**

- Particle diagrams - elements, mixtures and compounds
- What is an element, compound and mixture?
- Conduction
- Convection
- Magnets
- Electromagnets
- Chemical symbols
- Atomic mass number (number of protons and neutrons)
- Atomic number (number of protons)
- Electronic structure of an element
- Name of groups in periodic table
- Fire triangle

## 9SFO/9DMG

### Atoms and Elements

- Structure of an atom
- Elements
- Periodic table

### Compounds and Mixtures

- Compounds
- Mixtures

### Simple Chemical reactions

- Physical and chemical changes
- Reactants and products
- Reactivity
- Burning

### Heating and Cooling

- Changes of state
- Conduction
- Convection
- Insulation

### Magnets

- Attract and repel

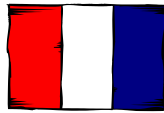


Irish:

All verbs in Past tense we have covered from return to school- 'I washed', 'I got up', 'I awoke', etc

All activities we do each day - past tense.

All work on Daily Routine .



## FRENCH

### Summer revision list-pages in workbook 'Le Sport' only.

1. Indoor sports- pg 5
2. Outdoor sports- pg 6
3. Verb jouer- pg 8
4. Hobbies- page 11
5. Verbs-page 11
6. Sports and hobbies with days of the week-pg 12
7. Opinions- pg 14 and 15
8. TV programs-pg 20
9. At the cinema- pg 21
10. Past and future tense-pg 22
11. On the computer- pg 23
12. Musical instruments-pg 24
13. Study pages 25 and 26



## Religion

### 1. Luke The Evangelist

Term 2 Lessons 15 - 19    Pages 131 - 141

### 2. Judaism

Term 3 Lessons 8 & 9    Pages 174 - 180



## History

The topics on the test are  
The Spanish Armada  
Explorers  
The Reformation

Please refer to the HTC History hub website for revision material and resources.

<https://htchistoryhub.wordpress.com/>



## Geography

### Keywords

Pupils will be given their keyword list in class add definitions and learn.

**Population density, sparsely populated, densely populated, population explosion, birth rate, death rate, natural increase, push factors, pull factors, conservationists, habitats, extinct, endangered, renewable, oil, non - renewable, fossil fuels, solar, geothermal, exploration, pollution**

### Extended Answer 1

Population - Population change, the causes of population change.

### Extended Answer 2

Positive and negative factors influencing where people live.

## Geographical Skills

Reading graphs on population change

## Map

Areas in Ireland with high and low density



## Music

There will be a short listening and practical activity assessed in music class. Your music teacher will explain the assessment. No revision needed- just your participation with the task!



## **Technology**

- Workshop safety rules.
- The Tenon saw
- Hardwoods, (oak, ash, beech, mahogany)
- Softwoods, (redwood, spruce, pine)

- Types of glues
- Cams (types of motion)
- Parts of pillar drill
- Stages when making the train.
- Drawing the train.



## Home Economics

1. Food safety- Page 73 (symptoms of food poisoning)
2. When you need to wash your hands and important temperatures. 76/77
3. Food storage. Pages 79,80 and 81.
4. Use-by, best-before dates. (Page 81)
5. Eatwell Guide Page 86
6. Water. page 60/61

## Revision Notes