

Year 9 Revision List for September 2020

Here are the revision topics for each subject you are studying. You may not have learned them in as much detail as usual over the past few months. However, in September (week 3) there will be an assessment week. Your teacher will see if there are any gaps in your knowledge and then show you how to fill these gaps and/or extend your knowledge. You will find this document along with lots of helpful learning resources and all of the work set since March on our school website: <https://www.stmca.org.uk/key-information/closure-guidance/>

Art

- 1 Colour theory
- 2 Colour mixing
- 3 Colour application skills
- 4 Using clay making techniques
- 5 Different types of mixed media techniques
- 6 Gothic architecture key features.

Biology

Ecosystems
Genes
Organisms

Chemistry

Matter
Reactions
Earth

Revise using Educake, the online Science homework. There are lots of self-marking questions you can do to help your revision.

Computing

Safety

- using technology safely and responsibly e.g. online privacy, cyberbullying.
- reporting e-safety concerns.

Programming

- Variables
- Sequence
- Selection
- Iteration

Computer Networks

- What is a computer network?
- The Internet
- Searching the World Wide Web

Computer Hardware

- What is a computer?
- Embedded devices
- Input / Output Devices

Binary

- how to convert denary numbers into 8-bit binary numbers and vice versa.
- How to add two 8-bit binary integers

Algorithms / Computational Thinking

- Producing algorithms using flow chart diagrams.
- Interpret, correct or complete algorithms.
- Abstraction & Decomposition Thinking
- Algorithmic Thinking

English

AQA KS3 English Language Paper One

Paper One: Explorations in Creative Reading and Writing

Section A: Reading

One literature fiction text

1. Selecting information from a fiction text
2. Supporting ideas with quotations
3. Identifying and commenting on the effect of language techniques, including: simile, metaphor, pathetic fallacy, alliteration
4. Identify and comment on the structure of a text including: what happens at the beginning/ middle/ end? Is it written in chronological order? Where is the change of focus? Is foreshadowing used? What is the effect?
5. Evaluate the effectiveness of a text, providing your own viewpoint

Section B: Writing

Descriptive or narrative writing

1. Select vocabulary and language techniques for effect
2. How to structure your writing; using clear paragraphs
3. Apply a range of sentence structures, considering the effects on the reader
4. Use the correct spellings of familiar words, especially of homophones
5. How to apply a range of punctuation accurately, including ;:!,,"

Revise using GCSEpod, BBC Bitesize and Mr Bruff's YouTube Channel

French

8VP;8MK;8RL Dynamo Course Unit 3

- Weather in the present tense
- Verbs faire and jouer
- Free time activities
- Cultural topics – Fete de la musique/Bastille Day

8TC;8JB;8TL;8DB Expo Course Unit 4

- Food and drink
- Mealtimes
- Il faut + infinitive
- Shopping and shops
- Free time & TV (from unit 3)
- Cultural topics – Fete de la musique/Bastille Day

Geography

1. Focus on Africa topic: Location, landscapes, populations, Sahara Desert, Nigeria; contrasts, challenges and opportunities.
2. Skills; cross sections.

History

1. Trans Atlantic Slave Trade (focus- **source analysis**)
2. The Struggle for the Vote
(focus- **interpretations**)
3. Causes of World War One (lockdown)
(focus- **causation**)

Maths

Students can log into hegarty maths and use their account to search for the topic in the list below.

X1 and Y1 (Y8 teacher – Miss Hughes and Mrs Redmond)

- 1) Using calculator
- 2) Angles on a point
- 3) Prime factor trees
- 4) Ordering FDP
- 5) Percentage of amount
- 6) Expand single and double brackets
- 7) Simple substitution and solving
- 8) Volume and SA cuboids
- 9) Averages from set of data
- 10) Drawing a graph –fill in table

X2 and Y2 (Y8 teacher – Mrs Pavitt and Mr Grace)

- 1) Calculator use
- 2) Sharing in ratio
- 3) Area and circumference
- 4) HCF and LCM by listing
- 5) Rounding
- 6) Averages from a list of numbers
- 7) Expanding brackets
- 8) Solve equations and substitution
- 9) Adding fractions
- 10) Equivalent FDP

X3/X4 and Y3/Y4 (Y8 teacher – Mr Moore, Miss Morton and Mrs Florek)

- 1) Multiply/Divide by 10,100 and 1000
- 2) Calculator skills question
- 3) Solving simple equations
- 4) Simple substitution
- 5) Order of Operations
- 6) Prime factorisation
- 7) Simplifying/Equivalent fractions
- 8) Rounding
- 9) Long multiplication
- 10) Squares and cubes

Revise using hegarty maths, diagnostic questions and corbett maths. Y10 will have additional resources provided in their last face to face session

Performing Arts

Rhythm
Ostinato
Polyphonic/ Homophonic
Syncopation
Timbre
form
Music from other cultures
Keyboard skills and layout
Staff notation
Film music and music in the media

Use BBC Bitesize to revise Music

Physical Education

Revise the rules and regulations of sports you could be assessed in on your sports studies qualification.

Football

<http://www.thefa.com/football-rules-governance/lawsandrules>

Badminton

<https://www.badmintonbc.com/page/2888/The-Laws-of-Badminton>

Basketball

<https://www.fiba.basketball/basic-rules>

<http://www.bbl.org.uk/rules-of-the-game/>

Table Tennis

<https://tabletennisengland.co.uk/compete/rules-regs/>

<https://www.allabouttabletennis.com/official-rules-of-table-tennis.html>

Physics

Forces
Electromagnets
Energy
Waves

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Religious Education

See RE Revision Checklist and Summer Project for further details.

Discipleship and Role Models

Islam

Mission of the Church

Ethical Studies

Technology

1. Risk assessments
2. Workshop tools/equipment
3. Computer Aided Design
4. Target Markets
5. Analysing products
6. Health and Safety with sewing machines.
7. Natural and synthetic fibres.
8. Monster toy project.
9. Nutrients
10. Eatwell guide
11. How to make healthy changes
12. Food safety & storage