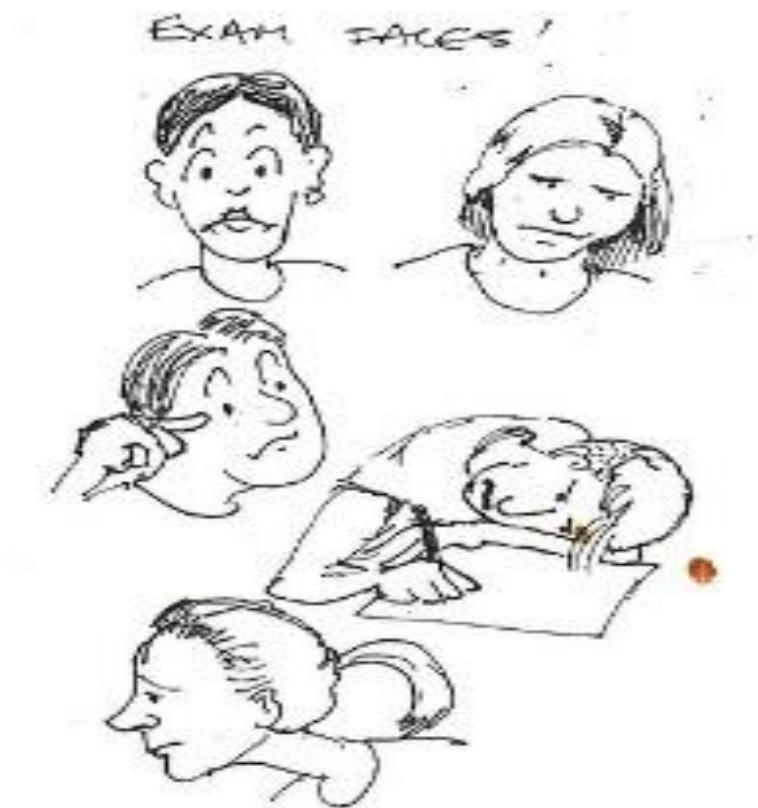




HEYFORD PARK
FREE SCHOOL
BONUM COMMUNE COMMUNITATIS

REVISION BOOKLETS

Year 7



MATHEMATICS



Revision ideas

Khanacademy.org

YouTube clips

Mathswatch CD (available from schools for £5, refundable upon return of CD)

Year 7		
Topic	Strand	Revision
Place Value	Number	https://www.bbc.com/education
Factors, Multiples and Primes	Number	
Decimals and Fractions	Number	
Expanding and Simplifying Brackets - Single Set of Brackets	Algebra	
Simple Proportion	Ratio	
Percentage of an Amount (Calc.)	Number	
Fractions, Percentages, Decimals	Number	
Averages and the Range	Statistics	
Stem And Leaf Diagrams	Statistics	
Coordinates	Algebra	
Calculating Probabilities	Probability	
Solving Equations - Balancing	Algebra	
Simplifying Expressions	Algebra	
Solving Equations using Flowcharts	Algebra	
Angles in a Triangle	Geometry	
Simple Proportion	Ratio	
Subject of a Formula using Flowcharts	Algebra	
Introduction to Powers/Indices	Number	
Time Series	Statistics	
Frequency Tables and Diagrams	Statistics	
Distance-Time Graphs	Ratio	
Compound Interest and Depreciation	Ratio	
Area of a Triangle, Rectangle, Circles	Geometry	
Perimeters	Geometry	
Sequences - nth term	Number	
Straight line graphs	Algebra	



All the end of year assessments in English will follow the GCSE English Language curriculum. AQA, the exam board we follow, has designed specific differentiated papers for years 7-10 which we will mark to gain an understanding of both reading and writing skills needs linked specifically to GCSE assessment objectives across all year groups. This data will inform our curriculum planning and intervention for next academic year.

YEARS 7

Year 7 will complete a Paper 1 assessment of 1 hour and 45 minutes. This is separated in to Section A (reading) and Section B (writing) and having 80 marks available.

For Section A, students get either a 20th or 21st century extract (approximately 1 side of A4) and they must answer 4 questions based on this extract.

Q1 (4 marks)- list 4 ideas from the beginning of the extract

Q2 (8 marks)- analyse language in a part of the extract

Q3 (8 marks)- how the whole extract uses structure to interest the readers

Q4 (20 marks)- to what extent do you agree with a statement about a section of the text

For Section B, students get a choice of 2 descriptive writing tasks (1 has a picture as a stimulus, the other gives them a topic to write about) and this is marked out of 40 marks.

Revision ideas

- BBC Bitesize GCSE English Language AQA <https://www.bbc.co.uk/education/examspecs/zcbchv4>

-see Miss Marin in FB01 for further revision materials you might require



In the summer term, all year 7 students will sit a one hour end of year assessment. This will contain a mixture of multiple choice, calculation, short and long answer questions.

The assessment could include any of the topics covered this year in science:

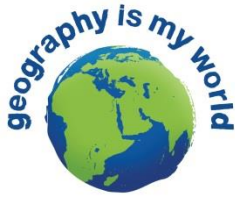
1. **Forces**
Balanced and unbalanced forces, speed, distance-time graphs, gravity.
2. **Electromagnets**
Potential difference, resistance and current, series and parallel circuits.
3. **Energy**
Energy in food, energy resources, energy and power.
4. **Waves**
Sound waves, loudness, amplitude, pitch and frequency; light, reflection and refraction, the eye and vision.
5. **Matter**
The particle model and states of matter, changes of state, diffusion and gas pressure; pure substances, mixtures, solutions filtration, evaporation and distillation, chromatography.
6. **Reactions**
Chemical reactions, acids and alkalis, making salts, reactions of metals with acid, water and oxygen, displacement reactions.
7. **Earth**
Structure of the Earth, sedimentary, igneous and metamorphic rocks, the rock cycle, ceramics; the night sky, the Solar System, the Earth, phases of the Moon.
8. **Organisms**
Levels of organisation – cells, tissues, organs and organ systems, the skeleton and muscles; microscopes and magnification, plant and animal cells, specialised cells, cell diffusion and uni-cellular organisms.
9. **Ecosystems**
Food chains and webs, ecosystems and competition; flowers and pollination, fertilisation and germination, seed dispersal.
10. **Genes**
Variation, adaptations to the environment; adolescence, reproductive systems, fertilisation and implantation, foetal development and the menstrual cycle.

Useful resources

CGP make KS3 science revision guides and workbooks, which are an excellent (optional) resource to help support your child with their revision. www.cgpbbooks.co.uk

BBC Bitesize (KS3 Science) is another good source of revision information and includes repeatable test activities. www.bbc.co.uk/education

Geography



In the final term of year 7, students will be required to sit an assessment in geography that will bring together all of their understanding from throughout the whole year.

This assessment will be 1 hour in duration and will have a wide variety of questions, from multiple choice, to extended writing.

As year 7 have mostly concentrated on physical geography and basic geography skills this year, the assessment will reflect this.

What do students need to know?

- Key geography skills: compass points, grid references and map symbols
- How to add data to blank tables
- The seven continents of the world and where they are
- The structure of the Earth
- The causes and effects of volcanic eruptions
- Features found along a rivers course
- Causes and effects of flooding

Some helpful resources

<http://www.bbc.co.uk/education/guides/zvnbkqt/revision/1/> (Volcano revision and some effects of eruptions)

http://www.bbc.co.uk/bitesize/ks3/geography/physical_processes/plate_tectonics/revision/1/

http://www.bbc.co.uk/bitesize/ks3/geography/physical_processes/rivers_flooding/revision/5/ (river landforms, reasons for flooding and the effects)

<http://www.bbc.co.uk/education/guides/z6j6fg8/revision/1/> (map skills revision)

http://www.nationsonline.org/oneworld/continents_map.htm (continents of the world)



History

All the end of year assessments in History will follow the GCSE History question stems format. For Year 7 the questions have been adapted to reflect the Key Stage 3 curriculum skills required and age ability. Students will complete these question types based on topic contents that they have covered in History lessons so far this year.

This data will inform our curriculum planning and intervention for next academic year.

YEAR 7

Will have one hour to complete 3 extended answer questions containing the following question stems –

- Describe key features of..... [4]
- Explain why[12]
- Form a judgement regarding the extent to which they agree or disagree with a statement [16]

The paper will be out of **32 marks** and will cover the following topics –

- The Tudor monarchs from 1485-1603 including key events such as – The Princes in the Tower, Henry's VIII break with Rome, Henry VIII's wives, the religious changes under Edward VI and Mary I, issues regarding the succession of Elizabeth I, threats to Elizabeth's reign (plots, Mary Queen of Scots and the Spanish Armada), and the end of the Tudor dynasty.
- The Stuart monarchs from 1603-1688 including key events such as - The gunpowder plot (1605), Charles I, causes of the English Civil war, developments of the Civil War, the regicide and the Protectorate.

Revision ideas

The following websites will be useful to students to support with revision -

- http://www.bbc.co.uk/bitesize/ks3/history/tudors_stuarts/
- <https://www.bbc.com/education/topics/zynp34j>

ESPAÑOL

Year 7 will be assessed on their reading and writing skills. The reading assessment will consist on multiple choice questions and answering questions about a text in English and Spanish. The topics that they will need to revise for the reading assessment are: school, free time, sports, furniture in bedroom, food, and rooms in a house. The second part of the assessment will consist on producing a piece of writing about themselves (describing themselves and their family, their opinion about school subject, talking about free time and using the near future tense to describe future plans).