Year 8 Revision Guide 2017

Below are the details of subjects and topics which students should be revising for their end of year exams. In addition to this, support materials are listed which should be consulted to help prepare for the exam.

Arabic

Non-Native

The end-of year exam covers the following topics:

1	Clothes and Fashion	1- المَلابِس
2	Where do You Live?	2- أين تِسكُن؟
3	How Nice the Weather is!	3- ما أَجمَل الطّقس اليَوم!
4	A Tour in Abu Dhabi	4- جَولَةٌ في أبوظبي.

The students are advised to revise from the copybook.

Native:

الدّروس المطلوبة في الاختبار النهائي لمادّة اللغة العربيّة

الصّفحة/ من الكتاب	عنوان الدّرس
من 82 إلى 93	قصيدة (هذا الكوكب الأرضيّ)
من 50 إلى 58	التعليم التّقنيّ والفنّيّ
من 94 إلى 97	الاقتباس
من 166 إلى 171	الأسماء الخمسة
من 33 إلى 35	التشبيه المجمل

Islamic Studies

الدّروس الآتية من الكتاب المدرسيّ الجزء الثّاني :

1. فضائل المؤمن ص (30–39).
2. أنا خيركم لأهله ص (62–69).
3. الطّريق إلى الجنّة ص (72–79).
4. الاقتداء في الخير ص (80–86).
5. الأيمان والنّذور ص (88–95).
6. غزوة حنين ص (96–103).

Islamic / Non - Native:

Chapters included:
1. Surat us Saff 10 -14.
2. Tajweed : Noon with Sukoon 2.
3. Salat ul Jama'ah.
4. The Friday Prayer.
5. Eid Prayers.
6. Prayer in Times of Difficulty.

Design Technology

All students in year 8 will have a one hour Design Technology examination during lesson time.

Units of work or topics covered that need to be revised include:	Resources that will help with this revision
Graphic Products • Learn about CAD and Cam and what the mean. • Understand the advantages and disadvantages of using CAD and CAM • Understand the advantages and disadvantages of using drawing skills when designing. • Be able to explain the advantages and disadvantages of using 3D modelling software. • Understand how to use the heat press safely. • Understand the importance of brands and how logos help improve ***brand awarenes.***	Revision notes.

Food and Nutrition	Revision notes
• Revise Healthy eating: the Eatwell guide, the function and sources of carbohydrates, fats and proteins in the diet. • The meaning of one of the following: Sustainable and unsustainable farming , Fairtrade Foods or Free range Eggs . • Processes used in producing culinary dishes.	
Textiles • Fabric properties • Care labels • Environmental concerns, the 6 R's	Revision notes
Resistant Materials • Health and safety in the workshop • Hand tools usage and safety • Electronics • Soldering • Manufactured Boards • Use of the Pillar drill.	Revision notes
Product Design • Packaging construction and nets • Drawing and rendering skills • Legal Information on packaging	Revision notes

English

Units of work or topics covered that need to be revised include:	Ideas to help you in your revision
Novel Openings and narrative writing	• Revise how writers create suspense in the opening of novels looking at setting, character, dialogue, atmosphere, and tension.
Writing to describe	• Whilst reading your chosen novel, record ideas about how certain characters are introduced and described. Discuss this with someone at home and then have a go at writing your own description. http://www.bbc.co.uk/bitesize/ks3/english/writing/inform_explain_describe/revision/1/
Setting	• Whilst reading your chosen novel, record words and phrases used to describe setting. How has the writer done this? Have a go at writing your own novel setting.

Genre	• Revise all of the different genres you know and have covered in school and make a word bank for each genre. http://www.bbc.co.uk/education/guides/zvbcwmn/revision
Punctuation and varied sentences	• You should be aware of how to use a range of punctuation and sentence structures accurately and for effect. http://www.bbc.co.uk/bitesize/ks3/english/writing/inform_explain_describe/revision/1
Literary devices	• Write lists of your own metaphors and similes • Include alliteration, personification, onomatopoeia • Sibilance and assonance (extension) http://www.bbc.co.uk/bitesize/higher/english/critical_essay/techniques/revision/6/
Vocabulary choices	• Keep a vocabulary book at home with any new vocabulary you come across. You might also like to include synonyms too and make sure you learn those **spellings**.
Planning strategies	• Make sure you write at home and time yourself too. You may write detailed plans for describing people, places and things as well as writing pieces of dialogue between characters and writing plans for your own stories.

Geography

Students should revise from their copy book, as well as viewing the lessons and key skill checklists on our department website (albateengeography.weebly.com).

Year 8 students should be able to;

- ✓ describe the location of a place, using scale, direction, co-ordinates and other geographical feature.
- ✓ describe the pattern in a graph by commenting on the pattern, using data and identifying an anomaly.
- ✓ describe a map, by commenting on the pattern, using data and/or place names, also identifying an anomaly.
- ✓ use direction, scale, grid references and co-ordinates.

- ✓ explain the cause and consequences of processes, using connectives like because and therefore to develop my answer; supporting my answer with evidence (data/specific names).
- ✓ evaluate decisions; explaining the advantages (strengths) and disadvantages (weaknesses); supporting my answer with evidence (data/specific names).

Students should also revise the following topics to support their learning; describe, explain and evaluate answers.

Year 8
Desertification (Natural World – Sahara)
Desert climate and animal adaptations (Natural World)
Tropical Rainforest climate and plant adaptations (Natural World)
Tourism in Yangshuo (Changing World)
International migration (Social World)
Global Warming (Destructive World)

History

Students will be learning about the Renaissance in the last term. They should ensure they clearly understand what is meant by the term Renaissance. Furthermore students should learn about some of the advances during the renaissance and will need to focus especially on the advances in both Medicine and inventing. Students will need to revise Leonardo Da Vinci as a specific example.

List of content to be covered

(Fill in the table with a simple list, please add rows if necessary).

Units of work or topics covered that need to be revised include:	Resources that will help with this revision (Details of books, units in books, web resources etc.)
1. Changes in Britain 1750-1900.	**Nearpod**: Students should find www.nearpod.com and then log in with the code their class teacher gives them. This will show students a detailed presentation on everything we have learned on the Industrial Revolution including all 4 topics mentioned here.
2. Factory Life in Industrial Britain	http://www.ducksters.com/history/us_1800s/working_conditions_industrial_revolution.php
3. Reforms made to improve lives of factory workers	http://www.ducksters.com/history/us_1800s/working_conditions_industrial_revolution.php
4. Everyday life in Industrial Britain	http://www.ducksters.com/history/us_1800s/breaker_boys_matchgirls_newsies.php

	http://www.ducksters.com/history/us_1800s/child_labor_industrial_revolution.php

Languages

	French + Spanish
Y8 Term 3 topic	Food and Drinks
Y8 End of Year exam	Reading: assessment on topic of Food and drinks Writing: recap of all year including last topic

Units of work or topics covered that need to be revised include:	Resources that will help with this revision (Details of books, units in books, web resources etc.)
See table above	Vocabulary sheets stuck in exercise book for Modules 1 to 3 The Writing task will be prepared in class with the help of the teacher. Students will be expected to then practise at home prior to the exam. This might involve memorising their drafts, complete a storyboard etc…
	www.linguascope.com Login details in students' planner

Mathematics

The exam will consist of two written papers each 1 hour long. Paper 1 will be non-calculator and will take place during the exam schedule the other Paper will be a calculator exam which will take place in lessons the week before. There will also be a 20 minute mental arithmetic test the week before the scheduled exams.

Below is a list of all the work which could be on the exams along with basic number work which you would be expected to know at this stage of your education.

We will practice mental arithmetic during lessons prior to the exams.

You will be expected to be still working on the course up to one week before the first exam, so your own revision is important.

List of content to be covered

Units of work or topics covered that need to be revised include:	Resources that will help with this revision (Details of books, units in books, web resources etc.)

read and write positive integer powers of 10; multiply and divide integers and decimals by 0.1, 0.01	Text resource depending on the set 8a, 8b, 8c which can be found on edmodo
order decimals	
round positive numbers to any given power of 10; round decimals to the nearest whole number or to one or two decimal places	Use the consolidation section in each of the chapters to assist the revision process.
add, subtract, multiply and divide integers	
use the order of operations, including brackets, with more complex calculation	Along with www. mymaths.co.uk And
use straight edge and compasses to construct: • the midpoint and perpendicular bisector of a line segment • the bisector of an angle	Any worksheets that the department give as revision material
use straight edge and compasses to construct: • the perpendicular from a point to a line • the perpendicular from a point on a line	
• a triangle, given three sides (SSS)	
identify alternate angles and corresponding angles; understand a proof that: • the angle sum of a triangle is 180° and of a quadrilateral is 360° • the exterior angle of a triangle is equal to the sum of the two interior opposite angles	
solve geometrical problems using side and angle properties of equilateral, isosceles and right-angled triangles and special quadrilaterals, explaining reasoning with diagrams and text; classify quadrilaterals by their geometrical properties	
visualise 3-D shapes from their nets; use geometric properties of cuboids and shapes made from cuboids;	
use simple plans and elevations	
choose and use units of measurement to measure, estimate, calculate and solve problems in a range of contexts;	
know rough metric equivalents of imperial measures in common use, such as miles, pounds (lb) and pints	
use linear expressions to describe the nth term of a simple arithmetic sequence, justifying its form by referring to the activity or practical context from which it was generated	

recognise that a recurring decimal is a fraction; use division to convert a fraction to a decimal; order fractions by writing them with a common denominator or by converting them to decimals	
add and subtract fractions by writing them with a common denominator;	
calculate fractions of quantities (fraction answers); multiply and divide an integer by a fraction	
interpret percentage as the operator 'so many hundredths of' and express one given number as a percentage of another;	
calculate percentages and find the outcome of a given percentage increase or decrease	
use the equivalence of fractions, decimals and percentages to compare proportions	
interpret the results of an experiment using the language of probability; appreciate that random processes are unpredictable	
know that if the probability of an event occurring is p then the probability of it not occurring is 1 − p;	
use diagrams and tables to record in a systematic way all possible mutually exclusive outcomes for single events and for two successive events	
compare estimated experimental probabilities with theoretical probabilities, recognising that: • if an experiment is repeated the outcome may, and usually will, be different • increasing the number of times an experiment is repeated generally leads to better estimates of probability	
recognise that letter symbols play different roles in equations, formulae and functions; know the meanings of the words formula and function	
use formulae from mathematics and other subjects; substitute integers into simple formulae, including examples that lead to an equation to solve; substitute positive integers into expressions involving small powers e.g. $3x^2 + 4$ or $2x^3$; derive simple formulae	

simplify or transform linear expressions by collecting like terms; multiply a single term over a bracket	
derive and use formulae for the area of a triangle, parallelogram and trapezium; calculate areas of compound shapes	
know and use the formula for the volume of a cuboid; calculate volumes and surface areas of cuboids and shapes made from cuboids	
solve geometrical problems using side and angle properties of equilateral, isosceles and right-angled triangles and special quadrilaterals, explaining reasoning with diagrams and text; classify quadrilaterals by their geometrical properties	
use efficient written methods to add and subtract integers and decimals of any size, including numbers with differing numbers of decimal places	
use efficient written methods for multiplication and division of integers and decimals, including by decimals such as 0.6 or 0.06; understand where to position the decimal point by considering equivalent calculations	
understand and use the rules of arithmetic and inverse operations in the context of integers and fractions	
understand that algebraic operations, including the use of brackets, follow the rules of arithmetic; use index notation for small positive integer powers	
construct and solve linear equations with integer coefficients (**unknown on either or both sides, without and with brackets**) using appropriate methods (e.g. inverse operations, transforming both sides in same way)	
two-way tables for recording discrete data	
calculate statistics for sets of discrete and continuous data, including with a calculator and spreadsheet; recognise when it is appropriate to use the range, mean, median and mode and, for grouped data, the modal class	

compare two distributions using the range and one or more of the mode, median and mean	
use multiples, factors, common factors, highest common factors, lowest common multiples and primes;	
find the prime factor decomposition of a number, e.g. 8000 = 2^6 × 5^3	
use squares, positive and negative square roots, cubes and cube roots	
index notation for small positive integer powers	
apply understanding of the relationship between ratio and proportion; simplify ratios, including those expressed in different units, recognising links with fraction notation;	
divide a quantity into two or more parts in a given ratio;	
use the unitary method to solve simple problems involving ratio and direct proportion	
understand and use the language and notation associated with enlargement; enlarge 2-D shapes, **given a centre** of enlargement and a positive integer scale factor;	
make scale drawings	
identify all the symmetries of 2-D shapes	
rotational symmetries	
transform 2-D shapes by rotation, reflection and translation, on paper and using ICT	
find the midpoint of the line segment AB, given the coordinates of points A and B	
carry out more difficult calculations effectively and efficiently using the function keys for sign change, powers, roots and fractions; use brackets and the memory	
enter numbers and interpret the display in different contexts (extend to negative numbers, fractions, time)	
find simple loci, by reasoning to produce shapes and paths, e.g. an equilateral triangle	

generate points in all four quadrants and plot the graphs of linear functions, where y is given explicitly in terms of x, on paper ; recognise that equations of the form y = mx + c correspond to straight-line graphs	
construct linear functions arising from real-life problems and plot their corresponding graphs; discuss and interpret graphs arising from real situations, e.g. distance–time graphs	
discuss a problem that can be addressed by statistical methods and identify related questions to explore	
decide which data to collect to answer a question, and the degree of accuracy needed; identify possible sources; consider appropriate sample size	
plan how to collect the data; construct frequency tables with equal class intervals for gathering continuous data and two-way tables for recording discrete data	
interpret tables, graphs and diagrams for discrete and continuous data, relating summary statistics and findings to the questions being explored	
compare two distributions using the range and one or more of the mode, median and mean	
use bearings to specify direction	

Science

All Year 8 work will be covered (12 units as in the Scientifica textbook). The worksheets and presentations are all on the edmodo website for classes to go through at home. All topics covered this year will possibly come up in the test. All units should be finished by the time the exam season starts so students will need to keep up to date with their studies.

List of content to be covered

(Fill in the table with a simple list, please add rows if necessary).

Units of work or topics covered that need to be revised include:	Resources that will help with this revision (Details of books, units in books, web resources etc.)

A: Food and Digestion	Scientifica pp.2-19 and edmodo
B: Fit and Healthy	On edmodo and in exercise books
C: Microbes and Disease	Scientifica pp.38-57 and edmodo
D: Ecological Relationships	Scientifica pp.58-75 and edmodo
E: Atoms and Elements	Scientifica pp.76-91 and edmodo
F: Compounds and Mixtures	Scientifica pp.92-105 and edmodo
G: Rocks and Weathering	Scientifica pp.106-123 and edmodo
H: The Rock Cycle	Scientifica pp.124-139 and edmodo
I: Heating and Cooling	Scientifica pp.140-159 and edmodo
J: Magnets and Electromagnets	Scientifica pp.160-175 and edmodo
K: Light	Scientifica pp.176-193 and edmodo
L: Sound and Hearing	Scientifica pp.194-209 and edmodo
Glossary of terms	Scientifica pp.228-235
	Also look up: www.bbc.co.uk/bitesize http://www.educationquizzes.com/ks3/science/ http://www.ntscience.co.uk/science-mindmaps/

Social Studies

Native

Subject	الدراسات الاجتماعية
Year Group	الصف الثامن

يشمل الإختبار النهائي للصف الثامن الموضوعات المقررة داخل الجدول التالي والمحددة بأرقام الصفحات داخل الكتاب المدرسي
' بالإضافة إلى ذلك ستكون دراسة الطالب للإختبار النهائى من الدفتر بالإضافة إلى أوراق العمل المرفقة داخل دفتر الطالب

List of content to be covered

Units of work or topics covered that need to be revised include: (الوحدات والموضوعات المقررة للمراجعة)	Resources that will help with this revision (Details of books, units in books, web resources etc.) (المصادر التي تساعد الطالب في المراجعة)
1-الوحدة الثانية التَساؤل 15 (إدارة الوقت وأهميته)	1 – الكتاب المدرسي صفحة (58-60)
2-الوحدة الثانية التَساؤل 19 (رؤية الإمارات 2021)	2 – الكتاب المدرسي صفحة (64-67)
1- الوحدة الثالثة التَساؤل 27 (مُساعدات الإمارات للعالم)	2 – الكتاب المدرسي صفحة (92-95)

Geography Non-Native Social Studies

Students should use their copy books and lesson resources to revise the following topics. If any of these topics were missed due to absence, then students should see their class teacher.

Year 8 – Arabian Gulf Countries
Physical Features e.g. mountains, rivers, climate
Plant/animal adaptations
Population distribution
Cities
Gulf Cooperation Council (GCC)
Tourism in Dubai