



## GEMS Winchester School Dubai



# Year 10 Home Learning

## Term 2a 2023-2024

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## English First Language

This term we will be learning about different exam style techniques, such as summaries and descriptive writing.

1-Jan	EXAM STYLE PRACTICE: Question 3 Extended response to reading (Informal Letter) Past paper 2020-Oct /Nov-0500/13 Question 3 Extended response to reading (Formal Letter) Past paper 2020-Oct /Nov-0500/13
8-Jan	EXAM STYLE PRACTICE: Journal Writing Past Paper 2020-May/June-0500/11
15-Jan	EXAM STYLE PRACTICE: Speech Writing Past paper 2020-May/June-0500/13
22-Jan	EXAM STYLE PRACTICE: Interview Writing Past paper 2020-Oct/Nov-0500/12
29-Jan	EXAM STYLE PRACTICE: Article Writing Past Paper 2022-Feb/March-0500/22
5-Feb	EXAM STYLE PRACTICE: Reading comprehension and summary Past paper 2021-May/June-0500/12

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## Mathematics

**Higher** - This term we will be learning about algebra, angles and circles.

1-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Factorising quadratics
8-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Algebraic fractions
15-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Multiplying and dividing algebraic fractions
22-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Angle facts and angles in polygons
29-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Properties of circles and circle theorems
5-Feb	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Circle theorems

**Foundation** - This term we will be learning about compound measures, algebra and angles.

1-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Density and pressure with problem solving
8-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Direct proportion and currency conversion
15-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Simplifying expressions, single and double brackets
22-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Factorising into single and double brackets
29-Jan	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Angles
5-Feb	To complete a minimum of 1-hour compulsory HW on Sparx- Topic taught this week – Angle facts

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This term we will be learning about metals in chemistry.

1-Jan	International GCSE Combined Science Chemistry Page 53, Questions 1-3
8-Jan	International GCSE Combined Science Chemistry Page 55, Questions 1-3
15-Jan	International GCSE Combined Science Chemistry Page 57, Questions 1-3
22-Jan	International GCSE Combined Science Chemistry Page 59, Questions 1-3
29-Jan	International GCSE Combined Science Chemistry Page 61, Questions 1-3
5-Feb	International GCSE Combined Science Chemistry Page 63, Questions 1-3

This term we will be learning about forces and motion in physics.

1-Jan	International GCSE Combined Science Physics Page 12, Questions 1-5
8-Jan	International GCSE Combined Science Physics Page 15, Questions 1-4
15-Jan	International GCSE Combined Science Physics Page 17, Questions 1-4
22-Jan	International GCSE Combined Science Physics Page 23, Questions 1-3
29-Jan	International GCSE Combined Science Physics Page 25, Questions 1-3
5-Feb	International GCSE Combined Science Physics Page 29, Questions 1-3

This term we will be learning about Unit 4 *Human body – Circulation* and Unit 6 *Nervous Coordination and Behaviour* in biology.

1-Jan	International GCSE Combined Science Biology Page 41, Questions 1-3
8-Jan	International GCSE Combined Science Biology Page 42 Q1-2
15-Jan	International GCSE Combined Science Biology Page 45 Q1-3
22-Jan	International GCSE Combined Science Biology Page 46 – p47 End of Unit Questions
29-Jan	International GCSE Combined Science Biology Page 63 Q1-3
5-Feb	International GCSE Combined Science Biology Page 65 Q1-3

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## Separate Science

This term in biology we will be learning about Unit 6 *Nervous Coordination and Behaviour*.

1-Jan	International GCSE Biology Page 73, Questions 1-3
8-Jan	International GCSE Biology Page 75, Questions 1-3
15-Jan	International GCSE Biology Page 77, Questions 1-3
22-Jan	International GCSE Biology Page 79, Questions 1-3
29-Jan	International GCSE Biology Page 81, Questions 1-3
5-Feb	International GCSE Biology Page 84, End of Unit Questions

This term in chemistry we will be learning about metals.

1-Jan	International GCSE Chemistry Page 53, Questions 1-3
8-Jan	International GCSE Chemistry Page 55, Questions 1-3
15-Jan	International GCSE Chemistry Page 57, Questions 1-3
22-Jan	International GCSE Chemistry Page 59, Questions 1-3
29-Jan	International GCSE Chemistry Page 61, Questions 1-3
5-Feb	International GCSE Chemistry Page 63, Questions 1-3

This term in physics we will be continuing with momentum, energy and work.

1-Jan	International GCSE Physics Page 37, Summary questions 1,2,3.
8-Jan	International GCSE Physics Page 39, Questions 1-3
15-Jan	International GCSE Physics Page 51, Questions 1-3
22-Jan	International GCSE Physics

	Page 53, Questions 1-3
29-Jan	International GCSE Physics Page 55, Questions 1-4
5-Feb	International GCSE Physics Page 59, Questions 1-4

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## Arabic A

This term we will be learning about how to write a literary response to the text ‘The Old Man and the Sea’.

12 Feb – 19 Feb	Reading	حلل نصاً نثرياً (رواية – قصة قصيرة – مسرحية) إلى عناصره الفنية، موضحاً فكرته، كاتباً تلخيصاً عنه	قصة العجوز والبحر Plat form “ Kutubee “ <a href="https://read.kutubee.com/book/book_2672">https://read.kutubee.com/book/book_2672</a>
	Writing	اكتب استجابات أدبية حول النصوص المقروءة مراعيًا عناصرها الفنية	كتابة استجابة أدبية حول نص العجوز والبحر

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## Arabic B

This term we will be learning about how to plan for the future.

12 Feb – 19 Feb	Reading	Read the story and write a summary of it and watch the video on how to design a biography.	سيرة حياة سندي Plat form “ Kutubee “ <a href="https://read.kutubee.com/book/book_2578">https://read.kutubee.com/book/book_2578</a> <a href="https://read.kutubee.com/video/video_420">https://read.kutubee.com/video/video_420</a>
	Writing	Design an advertisement about your dream job.	Design an advertisement that considers the elements of a good advertisement for your dream job.

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## Islamic A

This term we will be learning about Sura Al-Hujurat.

12 Feb – 19 Feb	فسر المعنى الإجمالي لسورة الحجرات من رقم 8- 13	رابط القراءة والتفسير والتلاوة: <a href="http://quran.ksu.edu.sa/index.php?aya=26_23">http://quran.ksu.edu.sa/index.php?aya=26_23</a>
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## Islamic B

This term we will be learning about Sura Al-Hujurat.

12 Feb – 19 Feb	The student is going to explain the General meanings from sura Al- Hujurat from (5 :13)	The recitation link <a href="http://www.Quran.com">www.Quran.com</a>
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## History

This term we will be learning about the breakdown of peace and Russia depth study.

1-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on core content question 3) Why had international peace collapsed by 1939? Complete worksheet to be self-assessed next lesson.
8-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on core content question 3) Why had international peace collapsed by 1939? Complete worksheet to be self-assessed next lesson.
15-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on core content question 3) Why had international peace collapsed by 1939? Complete worksheet to be self-assessed next lesson.
22-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Russia Depth study - Complete worksheet to be self-assessed next lesson.
29-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Russia Depth study - Complete worksheet to be self-assessed next lesson.
5-Feb	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Russia Depth study - Complete worksheet to be self-assessed next lesson.

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## Geography

This term we will be learning about population and settlement.

1-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Theme 1 - Population and settlement. 1.5 Settlements and service provision - Complete worksheet to be self-assessed next lesson.
8-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Theme 1 - Population and settlement. 1.6 Urban Settlements - Complete worksheet to be self-assessed next lesson.
15-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Theme 1 - Population and settlement. 1.6 Urban Settlements - Complete worksheet to be self-assessed next lesson.
22-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Theme 1 - Population and settlement. 1.7 Urbanisation and urban change - Complete worksheet to be self-assessed next lesson.
29-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Theme 2 - Natural Environment. 2.1 Earthquakes and volcanoes - Complete worksheet to be self-assessed next lesson.
5-Feb	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on Theme 2 - Natural Environment. 2.1 Earthquakes and volcanoes - Complete worksheet to be self-assessed next lesson.

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## Computer Science

This term we will be learning about hardware, software, algorithms and flowcharts.

1-Jan	Unit 3: Hardware
8-Jan	Activity: 3.7 (Question Number: 1, 2 and 3)- Page number: 137
15-Jan	Unit 4: Software Find out about the tasks carried out by a Keyboard Manager when a user is typing in the text to a word processor. Consider the use of buffers and queues in your answer. You may need to do some research throughout this book to find out how the Keyboard Manager works.
22-Jan	Unit 4: Software
29-Jan	Page number: 143- Activity 4.2
5-Feb	Unit 7: Algorithm Design and problem solving Write an algorithm to find the smallest of 3 numbers. Draw the corresponding flowchart.

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## ICT

This term we will be learning about document production, ICT applications and presentations.

1-Jan	Solve specimen paper 2022/22 shared in Teams for document production task.
8-Jan	
15-Jan	Solve exam-style questions given in textbook on Pg. 165 - 168
22-Jan	
29-Jan	Solve specimen paper 2022/22 shared in Teams for presentation task.
5-Feb	

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## Art and Design

This term we will be learning about various exam style techniques such as photography and experimental outcomes.

1-Jan	Photography and basic typography in component 1, working on AO-2
8-Jan	Experimental study – idea-1
15-Jan	Experimental study based on ink pen- idea-2
22-Jan	Recording my ideas with wax and watercolour.
29-Jan	Recording and experimenting with A0-3
5-Feb	Presenting my AO-4 in component-1 and an outcome.

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## PE

This term we will be do workouts for strength. Follow the video links for each week and complete the exercises.

1-Jan	<a href="https://youtu.be/tj0o8aH9vJw">https://youtu.be/tj0o8aH9vJw</a>
8-Jan	<a href="https://youtu.be/AjAVhtQ2vok">https://youtu.be/AjAVhtQ2vok</a>
15-Jan	<a href="https://youtu.be/jeLxN-wt7jY">https://youtu.be/jeLxN-wt7jY</a>
22-Jan	<a href="https://youtu.be/jeLxN-wt7jY">https://youtu.be/jeLxN-wt7jY</a>
29-Jan	<a href="https://youtu.be/tj0o8aH9vJw">https://youtu.be/tj0o8aH9vJw</a>
5-Feb	<a href="https://youtu.be/AjAVhtQ2vok">https://youtu.be/AjAVhtQ2vok</a>

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## French

This term we will be learning about holidays.

5 Feb – 12 Feb	Write a 120 word paragraph describing your holidays using imperfect tense. Le passé composé.
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## Business Studies

This term we will be learning about case studies surrounding effective business planning.

1-Jan	Summary questions on Product life cycle, pg.122
8-Jan	Summary questions on Price, pg. 121
15-Jan	Case study on Coca-cola in China, Pg. 106 of the textbook
22-Jan	Summary questions on international market, pg.133
29-Jan	Summary questions on Major source of finance, pg.139
5-Feb	Case study on Pritesh, Pg. 145

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## Economics

This term we will be learning about the market system, government and the economy.

1-Jan	Case study: Economics Growth in India
8-Jan	Case Study: Inflation in Venezuela
15-Jan	Case Study: Unemployment in Greece
22-Jan	Case Study: The Moroccan Current account balance
29-Jan	Case Study: Dealing with Environmental protection
5-Feb	Revision worksheet

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## Accounting

This term we will be learning about income statements and depreciation.

1-Jan	TB Exam review questions – Income Statement
8-Jan	Work sheet – Income Statement
15-Jan	Chapter review questions – Statement of financial position
22-Jan	Work sheet – Methods of depreciation
29-Jan	Work sheet – Ledgers for depreciation
5-Feb	Work sheet – Disposal of Non-current assets

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## Global Perspectives

This term we will start to look at putting together the IR.

1-Jan	Flipped Learning – Specific tasks to be set in lesson. IR Preparation – Students will need to conduct research and begin putting the IR together at home and school.
8-Jan	Flipped Learning – Specific tasks to be set in lesson. IR Preparation – Students will need to conduct research and begin putting the IR together at home and school.
15-Jan	Flipped Learning – Specific tasks to be set in lesson. IR Preparation – Students will need to conduct research and begin putting the IR together at home and school.
22-Jan	Flipped Learning – Specific tasks to be set in lesson. IR Preparation – Students will need to conduct research and begin putting the IR together at home and school.
29-Jan	Flipped Learning – Specific tasks to be set in lesson.

	IR Preparation – Students will need to conduct research and begin putting the IR together at home and school.
5-Feb	Flipped Learning – Specific tasks to be set in lesson. IR Preparation – Students will need to conduct research and begin putting the IR together at home and school.

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## BTEC Sports

This term we will be learning about how to create a podcast and feedback video.

1-Jan	Analyse fitness data and offer strengths and weaknesses for your chosen performer.
8-Jan	Analyse fitness data and offer strengths and weaknesses for your chosen performer.
15-Jan	Complete podcast research and presentation.
22-Jan	Review feedback and make necessary corrections.
29-Jan	Design a personal fitness training programme for a selected sports performer.
5-Feb	Design a personal fitness training programme for a selected sports performer.

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## BTEC Business

This term we will be learning about ‘Financial Forecast’ in Business.

1-Jan	Unit 3: Begin presentation preparation using data given in class (Vincenzo’s Restaurant)
8-Jan	Unit 3: Complete report (Vincenzo’s Restaurant)
15-Jan	Unit 3: Complete report (Vincenzo’s Restaurant)
22-Jan	Unit 3: produce a break-even chart (Vincenzo’s Restaurant)
29-Jan	Unit 3: Presentation deadline
5-Feb	Unit 3: Report submission deadline

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## BTEC IT

This term we will be learning about website development.

1-Jan	Unit 7: research two websites of your choice and create factsheet.
8-Jan	Unit 7: complete informal report on the two websites
15-Jan	Unit 7: brainstorm website designs for Erika’s requirements.
22-Jan	Unit 7: produce a website design
29-Jan	Unit 7: provide the rationale of your website design
5-Feb	Unit 7: finalize your website design as per Erika’s requirements

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## Psychology

This term we will be learning about Research Methods

1-Jan	Hypothesis and variables - worksheet
8-Jan	Which variable - worksheet
15-Jan	Which type of experiment are we evaluating? - worksheet
22-Jan	Venn style - worksheet
29-Jan	Choosing the right sample - worksheet
5-Feb	Mix and Match ethical issues

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## Travel and Tourism

This term we will be learning about Unit 2 – Features of worldwide destinations.

1-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on UNIT 2 – Features of worldwide destinations - Complete worksheet to be self-assessed next lesson.
8-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on UNIT 2 – Features of worldwide destinations - Complete worksheet to be self-assessed next lesson.
15-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on UNIT 3 – Customer Care and Working Procedures- Complete worksheet to be self-assessed next lesson.
22-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on UNIT 3 – Customer Care and Working Procedures- Complete worksheet to be self-assessed next lesson.
29-Jan	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on UNIT 3 – Customer Care and Working Procedures- Complete worksheet to be self-assessed next lesson.
5-Feb	Flipped Learning – Read section on upcoming lessons (specific textbook pages to be given in lesson) on UNIT 3 – Customer Care and Working Procedures- Complete worksheet to be self-assessed next lesson.

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## Media Studies

This term we will be learning about magazines and music videos.

1-Jan	Complete a fact file on The Arctic Monkeys.
8-Jan	One paragraph - What does the success of the Arctic Monkeys tell us about how the music business has changed?
15-Jan	One paragraph - How did the Arctic Monkeys design their video to project their preferred image of themselves.
22-Jan	Complete a fact file on Black Pink.
29-Jan	Complete a NCIS of the music video How You Like That.
5-Feb	Practice questions in preparation for formative assessment.

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## Drama

This term we will be learning about Component 1 – Devised Piece.

1-Jan	Students will explore their devised piece incorporating a Brechtian Technique – multi use of props.
8-Jan	Students will explore their devised piece incorporating a Brechtian Technique – multi use of props.
15-Jan	Students will explore their devised piece incorporating a Brechtian Technique – multi use of characters.
22-Jan	Students will explore their devised piece incorporating a Brechtian Technique – multi use of characters.
29-Jan	Students will continue on exploring their devised piece using a Brechtian Technique – use of placards.
5-Feb	Students will continue on exploring their devised piece using a Brechtian Technique – use of placards.

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