

January Mock Exams

Revision Booklet



Student Name

Reflecting on your progress and goals ...	Page 2
A guide to effective revision ...	Page 3
Revision planner (week 1 of Christmas) ...	Page 4
Revision planner (week 2 of Christmas) ...	Page 5
Maths revision (SPARX) ...	Pages 6—12
Introducing GCSE Pod ...	Page 13
Science revision (GCSE Pod) ...	Pages 14—16
History revision (GCSE Pod) ...	Page 17
Geography revision (GCSE Pod) ...	Page 18
Spanish revision (GCSE Pod) ...	Page 19
Religious Studies revision (GCSE Pod) ...	Page 20

Step 1 = Prioritise

Ideally you should aim to complete revision for all of your examinations.

If you need to make accelerated progress in one particularly subject it will need to feature more heavily in your plan for revision

- Passing English and maths is a key priority
- Consider your next-steps (college entry requirements) when deciding on priorities

Subject	Current Grade	Personal Target
Maths	3	4
English Literature	6	6
English Literature	6	6
Science	44	77

Revision Timetable

	Saturday 20th Dec	Sunday 21st Dec	Monday 22nd Dec	Tuesday 23rd Dec
Morning				
Afternoon				
Evening				
Night				

Step 2 = Plan

Research tells us that effective planning includes:

1) SPACED LEARNING

(chunk your revision into short 30min sections)

2) INTERLEAVING

(vary the subjects and topics that you study)

EG: 30min of Biology followed by 30min of History

A revision planner for Christmas is provided on pages 4 and 5

TOP TIP = make your plan realistic and achievable... this will make it easier to stick to your plan

Step 3 = Review / Revise

Revision is the act of going over material that you have covered in lessons.

- Reading notes, textbooks or revision guides
- Watching relevant revision videos (this guide introduces you to [GCSE Pod](#)—summary revision videos arranged by subject/topic)

TOP TIP = make summary notes, flash cards or mind maps after reviewing key topics



Sparx
Maths

Check & Challenge

Quiz yourself and test your knowledge on this title!

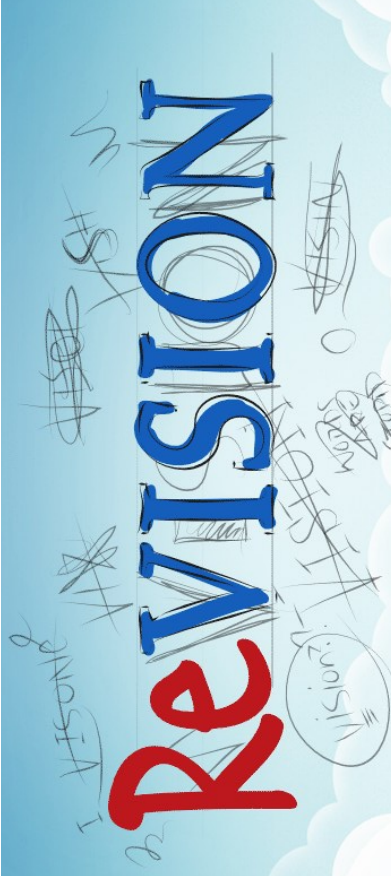


Step 4 = Test Yourself

It is vital that you regularly test yourself throughout your revision

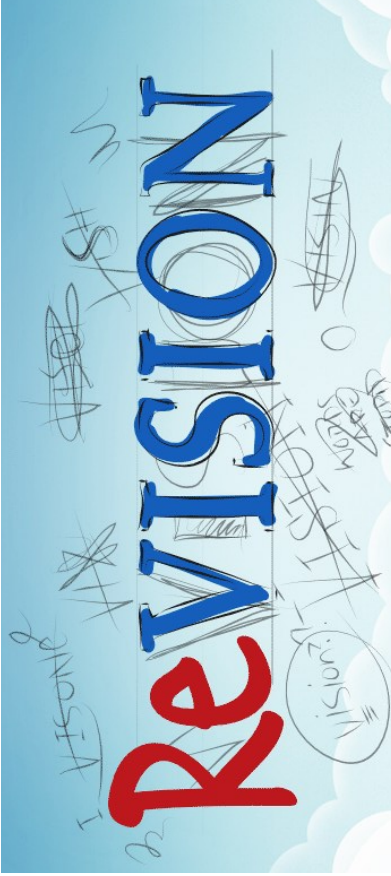
- Complete practice questions on SPARX maths/science
 - Ask someone to test you from your flashcards
- GCSE Pod includes 'check and challenge' quizzes

TOP TIP = include past exam questions in your revision



Top Priorities For Revision This Week

	Saturday 20th Dec	Sunday 21st Dec	Monday 22nd Dec	Tuesday 23rd Dec	Wednesday 24th Dec	Thursday 25th Dec	Friday 26th Dec
Morning							
Afternoon							
Evening							
Night							



Top Priorities For Revision This Week

	Saturday 27th Dec	Sunday 28th Dec	Monday 29th Dec	Tuesday 30th Dec	Wednesday 31st Dec	Thursday 1st Jan	Friday 2nd Jan
Morning							
Afternoon							
Evening							
Night							

Sparx Maths

Logging on to SPARX maths:

1. Visit the SPARX maths website (www.sparxmaths.com)
2. Click the 'Login' button
3. Select your school (type The Ilfracombe Academy)
4. Click the 'Log into Sparx using Google' button
5. Enter your school Google account details

Log in

Select your school

Start typing the name of your school to begin searching.

Ilfracombe Academy

The Ilfracombe Academy

Worth Road, Ilfracombe, EX34 9JB

Ilfracombe

Log in as a student or teacher



Log in to Sparx using Google

Navigating and using SPARX maths to complete targeted revision:

1. Select **Independent Learning** from the tool bar on the left hand side
2. Check that **'Your curriculum'** is set to GCSE and that **'Default level'** is set to Level 3
3. Enter the SPARX code of a topic you want to revise into the **'Search for topics'** bar
4. You can then select questions as practice/revision (you can alter the difficulty of questions; introduce → strengthen → deepen)

1

Compulsory

XP Boost

Target

Independent Learning

Search for topics: **3** U881

Your curriculum: **2** GCSE

Default level: Level 3

1 topic found in GCSE | 0 in other curricula

GCSE

Number > Fractions and percentages of amounts

Finding fractions of amounts without a calculator - U881

Finding fractions of amounts

4

Introduce

Question 1 Answer

Question 2 Answer

Strengthen

Question 1 Answer

Question 2 Answer

Deepen

Question 1 Answer

Question 2 Answer

Work out $\frac{3}{4}$ of 28

$\frac{5}{8}$ of 2 days = hours

Work out $\frac{2}{5}$ of $\frac{21}{40}$

Give your answer as a decimal.

January Mock – Foundation Paper 1 Revision List

	SPARX code	completed
Fraction of an amount	U881	
Fraction – decimal - %	U888	
Square numbers	U680	
Multiples	U751, U529	
Probability scales	U803, U408	
Money problems	U478	
Label parts of a circle	U767	
Multiplying integers	U127	
Dividing integers	U453	
Function boxes – finding the input/output	Q605	
Bar charts	U363 U557	
Fraction calculations	U736, U475	
Solving equations	U325	
Bearings	U525, U107	
Stem and leaf diagrams	U200, U909	
Recipe/ proportion questions	U676, U721	
Expand and simplify single brackets	U179	
Factorising to a single bracket	U365	
Simplifying indices	U235 U694	
Speed calculations	U151	
Scatter graphs	U277, U199	
Ratio problems	U676	
Area of a circle	U950	
Finding $y = mx+c$	U477 U848	
SOHCAHTOA	U605, U283, U545	
Combining ratios	U921	

January Mock – Foundation Paper 2 Revision List

	SPARX code	completed
Ordering negative and positive numbers	U600, U947	
Time	U902	
Factors	U739	
To find the median	U456	
% of an amount	U554	
Co-ordinates	U789	
Mixed number to improper fraction	U692	
Simplifying algebra terms	U105	
Frequency trees	U280	
Scale conversions	U257	
Midpoint of a line	U933	
Angles in parallel lines	U826	
Rotation of a shape	U696	
Enlargement of a shapes	U519	
Standard form calculations	U264, U290	
Prime factors	U739	
Timetables/ LCM	U902, U751	
% decrease calculations	U671, U988	
Density	U910	
Surface area of a cone	U523	
Difference of two squares	U963	
Expand double brackets	U768	
Factorising quadratic equations to solve	U228	

January Mock – Foundation Paper 3 Revision List

	SPARX code	completed
Pie charts	U508, U172	
Money problems	U417, U293,U453	
Linear sequences	U498	
Distance-time graphs	U914, U403	
Probability to 1	U803, U683	
Estimating using probability	U166	
Angles in shapes	U390, U628	
% of an amount	U554	
Increase by a %	U671, U278	
Algebraic substitution	U585	
Mean of a number	U291	
Volume of a prism	U174	
Use of a calculator	U926	
Ratio calculations	U577	
Drawing a quadratic graph	U310	
Standard form calculations	U264 U290	
Error intervals	U657	
Compound interest calculations	U332	
Venn diagrams	U476, U748	

January Mock – Higher Paper 1 Revision List

	SPARX code	completed
Expanding brackets	U179, U768, U606	
Factorising	U365, U178, U858	
Simplifying indices	U235, U694, U662	
Scatter graphs	U199, U277, U128	
Area of circles	U950	
Finding $y = mx + c$	U741, U315, U477, U848, U377, U898	
Profit/loss calculations	U278	
Box plots	U879, U837, U507	
Column vectors	U632, U903, U564	
Transformations of shapes	U196, U799, U696 U519, U134, U766	
Recurring decimals to fractions	U689	
Combinations	U721	
Solving equations	U325, U870, U505	
Sine rule	U952	
Exact trig values	U627	
Solving algebraic fractions	U437, U294, U685, U457, U824	
Finding the turning point	U769	
Ratio/probability problems	U865	
Indices problems	U985, U772	
Geometric proof with congruence	U887	
Graph transformations	U598, U487, U455	
Rationalising the denominator	U707, U281	

January Mock – Higher Paper 2 Revision List

	SPARX code	completed
Standard form	U330, U534	
Product of prime factors	U739	
Probability to 1	U803, U683	
Timetables/ LCM	U902, U751	
Perimeter involving algebra	U351, U934	
% increase/decrease calculations	U671, U988	
Density calculations	U910	
Surface area of a cone	U523	
Error intervals	U657, U301	
Direct/inverse proportion	U721	
Expanding triple brackets	U606	
Cumulative frequency graphs	U182, U642	
Quadratic sequences	U206	
Graph linear inequalities	U747	
Acceleration graph	U562, U611	
Histograms	U983, U185, U814	
Area of a sectors	U373	
Vectors	U781, U560	
Volume of pyramids	U484	
Linear/non-linear simultaneous equations	U269, U547	

January Mock – Higher Paper 3 Revision List

	SPARX code	completed
Use of a calculator	U926	
Ratio calculations	U595, U676	
Drawing a quadratic graph	U989, U310	
Standard form calculations	U330, U534, U264, U290,U161	
Compound decay	U332, U988	
Inequalities on a number line	U509	
Circumference of a circle	U604	
Pythagoras	U385, U828, U541	
SOHCAHTOA	U605, U283,U545	
Recognising graphs	U667,U980, U593	
Enlargement of shapes	U519, U134	
Algebraic proof	U582	
Circle theorems	U459, U251, U489 U130, U808, U807	
Lower/upper bound calculations	U657, U587	
Probability trees	U558, U729	
Iteration	U434, U168	
Venn diagrams	U476, U748	
Inverse functions	U996	
Composite functions	U895, U448	

gcsepod

Logging on to GCSP Pod:

1. Visit the GCSE Pod website (www.gcsepod.com)
2. Click the 'Login' button
3. Click the 'Login as a student' button
4. Select the 'Sign in with Google' button
5. Enter your school Google account details (email and password)

Login

Student



Login as a student

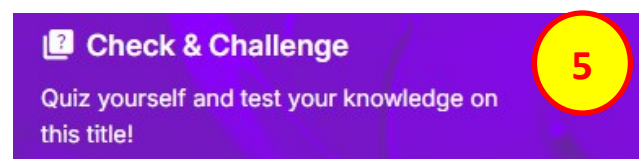
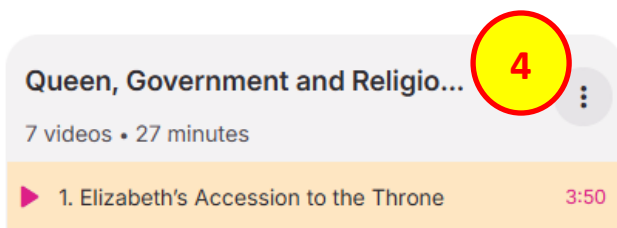
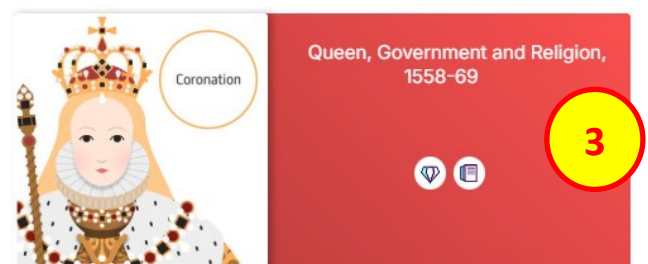
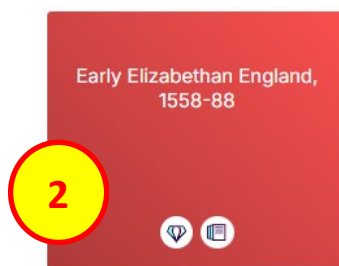
I'm new to GCSEPod



Sign In with Google

Navigating and using the GCSP Pod platform:

1. Select the **subject**
2. Select the **topic**
3. Select the **sub-topic**
4. Watch the relevant **GCSE Pod playlist**
5. Test you understanding using the **Check and Challenge** quiz function



Combined Science—Biology (Edexcel)

Your January Science mocks will contain topics from across paper 1 and paper 2
(these are identified in **BLUE** below)

Foundation Tier

Paper 1 (1hour 10 mins, 16.7%) 3hrs and 50min of Pods TOTAL

Key concepts (0hr 15min of Pods + Check and Challenge)

Cells and control (1hr 05min of Pods + Check and Challenge)

Genetics (0hr 35min of Pods + Check and Challenge)

Natural selection and genetic modification (0hr 45min of Pods + Check and Challenge)

Health, disease and the development of medicines (1hr 10min of Pods + Check and Challenge)

Paper 2 (1hour 10 mins, 16.7%) 2hrs and 25min of Pods TOTAL

Key concepts (0hr 15min of Pods + Check and Challenge)

Plant structures and their functions (0hr 25min of Pods + Check and Challenge)

Animal coordination, control and homeostasis (0hr 30min of Pods + Check and Challenge)

Exchange and transport in animals (0hr 45min of Pods + Check and Challenge)

Ecosystems and materials cycles (0hr 30min of Pods + Check and Challenge)

Higher Tier

Paper 1 (1hour 10 mins, 16.7%) 3hrs and 50min of Pods TOTAL

Key concepts (0hr 15min of Pods + Check and Challenge)

Cells and control (1hr 05min of Pods + Check and Challenge)

Genetics (0hr 35min of Pods + Check and Challenge)

Natural selection and genetic modification (0hr 45min of Pods + Check and Challenge)

Health, disease and the development of medicines (1hr 10min of Pods + Check and Challenge)

Paper 2 (1hour 10 mins, 16.7%) 2hrs and 25min of Pods TOTAL

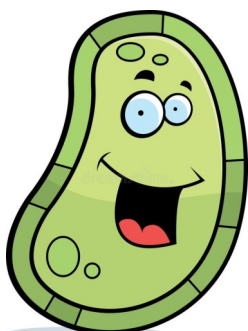
Key concepts (0hr 15min of Pods + Check and Challenge)

Plant structures and their functions (0hr 25min of Pods + Check and Challenge)

Animal coordination, control and homeostasis (0hr 30min of Pods + Check and Challenge)

Exchange and transport in animals (0hr 45min of Pods + Check and Challenge)

Ecosystems and materials cycles (0hr 30min of Pods + Check and Challenge)



Revising for your January mock:

1. Check Bromcom for activities set by your teacher
2. Watch the GCSE Pods for the modules highlighted in **BLUE**
3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge

Combined Science—Chemistry (Edexcel)

Your January Science mocks will contain topics from across paper 1 and paper 2
(these are identified in **BLUE** below)

Foundation Tier

Paper 1 (1hour 10 mins, 16.7%) 3hrs and 10min of Pods TOTAL

Key concepts (1hr 30min of Pods + Check and Challenge)
States of matter and mixtures (0hr 5min of Pods + Check and Challenge)
Chemical changes (1hr 5min of Pods + Check and Challenge)
Extracting metals and equilibria (0hr 30min of Pods + Check and Challenge)

Paper 2 (1hour 10 mins, 16.7%) 3hrs and 20min of Pods TOTAL

Key concepts (1hr 30min of Pods + Check and Challenge)
Groups in the periodic table (0hr 20min of Pods + Check and Challenge)
Rates of reaction and energy changes (0hr 40min of Pods + Check and Challenge)
Fuels and Earth science (0hr 50min of Pods + Check and Challenge)

Higher Tier

Paper 1 (1hour 10 mins, 16.7%) 3hrs and 10min of Pods TOTAL

Key concepts (1hr 30min of Pods + Check and Challenge)
States of matter and mixtures (0hr 5min of Pods + Check and Challenge)
Chemical changes (1hr 5min of Pods + Check and Challenge)
Extracting metals and equilibria (0hr 30min of Pods + Check and Challenge)

Paper 2 (1hour 10 mins, 16.7%) 3hrs and 20min of Pods TOTAL

Key concepts (1hr 30min of Pods + Check and Challenge)
Groups in the periodic table (0hr 20min of Pods + Check and Challenge)
Rates of reaction and energy changes (0hr 40min of Pods + Check and Challenge)
Fuels and Earth science (0hr 50min of Pods + Check and Challenge)



Revising for your January mock:

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3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge

Combined Science—Physics (Edexcel)

Your January Science mocks will contain topics from across paper 1 and paper 2
(these are identified in **BLUE** below)

Foundation Tier

Paper 1 (1hour 10 mins, 16.7%) **3hrs and 50min of Pods TOTAL**

Motion and forces (0hr 45min of Pods + Check and Challenge)
Conservation of energy (0hr 50min of Pods + Check and Challenge)
Waves (0hr 55min of Pods + Check and Challenge)
Light and the electromagnetic spectrum (0hr 45min of Pods + Check and Challenge)
Radioactivity (0hr 35min of Pods + Check and Challenge)

Paper 2 (1hour 10 mins, 16.7%) **2hrs and 20min of Pods TOTAL**

Energy—forces doing work (0hr 5min of Pods + Check and Challenge)
Forces and their effects (0hr 7min of Pods + Check and Challenge)
Electricity and circuits (1hr 15min of Pods + Check and Challenge)
Magnetism and the motor effect (0hr 10min of Pods + Check and Challenge)
Electromagnetic induction (0hr 10min of Pods + Check and Challenge)
Particle model (0hr 25min of Pods + Check and Challenge)
Forces and matter (0hr 10min of Pods + Check and Challenge)

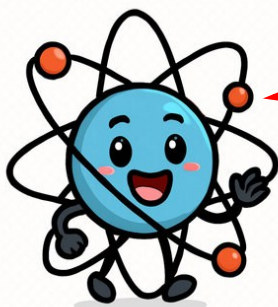
Higher Tier

Paper 1 (1hour 10 mins, 16.7%) **3hrs and 50min of Pods TOTAL**

Motion and forces (0hr 45min of Pods + Check and Challenge)
Conservation of energy (0hr 50min of Pods + Check and Challenge)
Waves (0hr 55min of Pods + Check and Challenge)
Light and the electromagnetic spectrum (0hr 45min of Pods + Check and Challenge)
Radioactivity (0hr 35min of Pods + Check and Challenge)

Paper 2 (1hour 10 mins, 16.7%) **2hrs and 20min of Pods TOTAL**

Energy—forces doing work (0hr 5min of Pods + Check and Challenge)
Forces and their effects (0hr 7min of Pods + Check and Challenge)
Electricity and circuits (1hr 15min of Pods + Check and Challenge)
Magnetism and the motor effect (0hr 10min of Pods + Check and Challenge)
Electromagnetic induction (0hr 10min of Pods + Check and Challenge)
Particle model (0hr 25min of Pods + Check and Challenge)
Forces and matter (0hr 10min of Pods + Check and Challenge)



Revising for your January mock:

1. Check Bromcom for activities set by your teacher
2. Watch the GCSE Pods for the modules highlighted in **BLUE**
3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge

History (Edexcel)

There are 26 history topics within the Edexcel GCSE, schools select **5 topics** to cover within the GCSE. Therefore only x5 topics within GCSE Pod are relevant to students at the Ilfracombe Academy — these are identified by exam paper below:

Paper 1 (1hour 15 mins, 30%) 2hrs and 05min of Pods TOTAL

Thematic Study and Historic Environment

TOPIC 1: Medicine in Britain, c1250-present (1hr 40min of Pods + Check and Challenge)

TOPIC2: British sector of the Western Front, 1914-1918: injuries, treatment and the trenches (0hr 25min of Pods + Check and Challenge)

Paper 2 (1hour 45 mins, 40%) 2hrs and 35min of Pods TOTAL

Period Study and British depth study

TOPIC 1: Early Elizabethan England 1558-1588 (1hr 15min of Pods + Check and Challenge)

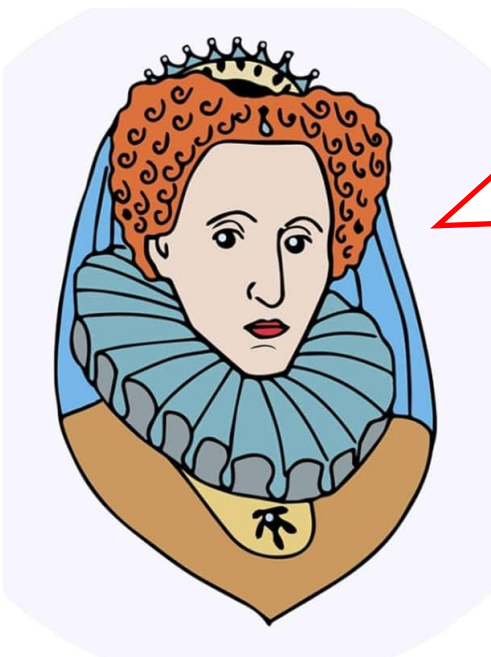
TOPIC 2: Superpower relations and the Cold War, 1941-1991 (1hr 20min of Pods + Check and Challenge)

Paper 3 (1hour 20mins, 30%) 2hrs and 20min of Pods TOTAL

Modern Depth Study

Weimar and Nazi Germany 1918-1939

(2hr 20min of Pods + Check and Challenge)



Revising for your January mock:

1. Check Bromcom for activities set by your teacher
2. Watch the GCSE Pods for the modules highlighted in **BLUE**
3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge

Geography (AQA)

AQA Geography students all study the same 6 geography topics, however school can select modules within topics. Any modules that students are not examined on have been identified below (see the excluded lists) .

Paper 1 (1 hour 30 mins, 35%) 4hrs and 15min of Pods TOTAL

Living with the Physical Environment

The challenge of natural hazards (all content relevant)

(1hr 30min of Pods + Check and Challenge)

The living world (excluding module on cold environments)

(0hr 45min of Pods + Check and Challenge)

Physical landscapes in the UK (excluding module on glacial landscapes in the UK)

(2hr 00min of Pods + Check and Challenge)

Paper 2 (1 hour 30 mins, 35%) 1hrs and 55min of Pods TOTAL

Challenges in the Human Environment

Urban issues and challenges (all content relevant)

(0hr 15min of Pods + Check and Challenge)

The challenging economic world (all content relevant)

(0hr 50min of Pods + Check and Challenge)

The challenge of resource management (excluding modules on energy and water)

(0hr 50min of Pods + Check and Challenge)

Paper 3 (1 hour 30 mins, 30%) 1hrs and 40min of Pods TOTAL

Geographical Applications

Fieldwork **(0hr 25min of Pods + Check and Challenge)**

Geographical skills **(1hr 15min of Pods + Check and Challenge)**



Revising for your January mock:

1. Check Bromcom for activities set by your teacher
2. Watch the GCSE Pods for the modules highlighted in **BLUE**
3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge

Spanish (Edexcel)

Listening (25%) understand and respond to different types of spoken language

Speaking (25%) communicate and interact in speech

Reading (25%) understand and respond to different types of written language

Writing (25%) communicate in writing

Questions across all four language skills are set in common contexts, addressing a range of relevant contemporary and cultural themes. **2hrs and 30min of Pods TOTAL**

identity and culture (1hr 00min of Pods + Check and Challenge)
local area, holiday and travel (0hr 30min of Pods + Check and Challenge)
school (0hr 25min of Pods + Check and Challenge)
future aspirations, study and work (0hr 15min of Pods + Check and Challenge)
international and global dimension (0hr 20min of Pods + Check and Challenge)

There are an additional **2hrs and 30min of Pods TOTAL** covering the following areas

Grammar (0hr 45min of Pods + Check and Challenge)
Language Skills (0hr 25min of Pods + Check and Challenge)



Revising for your January mock:

1. Check Bromcom for activities set by your teacher
2. Watch the GCSE Pods for the modules highlighted in **BLUE**
3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge

Religious Studies (Edexcel B)

Your January Religious Studies mocks will contain topics from across paper 1 and paper 2 (these are identified in **BLUE** below)

Paper 1 (1 hour and 45 mins, 50%) 6hrs and 25min of Pods TOTAL

Christianity - Religion and Ethics

Catholic Christianity (**1hr 40min of Pods + Check and Challenge**)

Religion and Ethics: Christianity (3hr 35min of Pods + Check and Challenge)

(mock playlists = **ONLY: Beliefs + Matters of Life and Death 1hr and 20min**)

Religion Peace and Conflict: Christianity (**1hr 35min of Pods + Check and Challenge**)

Religion Philosophy and Social Justice: Christianity (**1hr 35min of Pods + Check and Challenge**)

Paper 2 (1 hour and 45 mins, 50%) 5hrs and 50min of Pods TOTAL

Islam - Religion, Peace and Conflict

Religion and Ethics: Islam (**2hr 55min of Pods + Check and Challenge**)

Religion Peace and Conflict: Islam (1hr 25min of Pods + Check and Challenge)

(mock playlists = **ONLY: Beliefs + Living the Religious Life 1hr and 25min**)

Religion Philosophy and Social Justice: Islam (**1hr 30min of Pods + Check and Challenge**)

ZBU—there 'Belie' Pods seem to duplicate some content?



Revising for your January mock:

1. Check Bromcom for activities set by your teacher
2. Watch the GCSE Pods for the modules highlighted in **BLUE**
3. Attempt some 'check and challenge' quizzes on GCSE Pod to test your knowledge