

# Year 8

**End of Year  
Assessment  
Countdown  
Booklet  
2026**

Head of Year  
**Miss Peers**

Respect | Enthusiasm | Ambition | Determination | Resilience



**Irlam and Cadishead Academy**

The best in everyone™

Part of United Learning

# A Message from Mr Smith

Dear Student,

## Year 8 End of Year Assessments

This booklet has been put together to help you prepare fully for your End of Year Assessments which are taking place from the 15th June – 30th June. As you can see from the timetable included you will have a mixture of assessments – some will be in the exam hall (English, Maths and Science) and others in classrooms. In some subjects such as PE and Technology, you will receive an achievement grade based on your performance over the year.

As you know, at ICA we have the highest academic expectations of all students, and this should be reflected daily through good learning habits in every lesson – working hard with determination to succeed. We hope these assessments will be a good opportunity for you to demonstrate how much you have learnt so far. Your teachers will use your results to see whether you are working towards your full potential and to identify areas where you may need support to do so.

It is important to get into good habits for revising as soon as possible. Use the timetable and subject information included here to form a revision timetable which will help you to ensure you have looked over all the relevant information before your exam. If you are not sure about any of the topics or content listed then please speak to your teacher and ask for more guidance. They will be happy to help!

When revising try to use a variety of strategies and formats to help you. This could include making flashcards and regularly testing yourself, using your knowledge organiser for Look, Cover, Write, Check, doing practice questions on Seneca or Sparx, quizzing with friends, making mind maps and much more! Each subject will provide you with a revision booklet full of key knowledge and revision tasks which must be completed before your assessments. When used together they will ensure you are fully prepared for your assessments. Have a look for more tips on BBC Bitesize by following this link [Top revision techniques for exams](#)

Remember, the effort that you put in will be reflected in your achievements. In the long-term working hard now will put you in an excellent position for the future. We are all here to support you to achieve your full potential and if you need any additional guidance or have any concerns please speak to your subject teacher, form tutor or Head of Year.

All the best,

Mr Smith  
**Assistant Principal**

# Top Revision Tips

- **HABIT** - Get into the habit of working in a regular routine, e.g.. revising for 15 minutes every night at 6PM.
- **PLAN**
  1. Plan your weekly revision, homework and leisure time on the timetables provided.
  2. Make sure you can realistically keep to the schedule that you have planned
- **PLACE**
  1. Make sure that you work in the best possible environment:
  2. The room should be well lit to reduce eye strain. Try using your local library.
  3. Quiet with few distractions – no TV or Phones. Sit on a chair at a table or desk rather than lounging on your bed or so close to a window that you might get distracted.
  4. Break each subject down into manageable chunks so that you can revise over a topic once or twice in about 20 to 30 minutes. If you come across topics that you really don't understand, make a note of them and ask the subject teacher for help
- **THINK**
  - ·Use the revision materials your teachers have provided. They have chosen them for a very good reason.
  - ·You are way more likely to remember information that you have to think hard about. Therefore, retrieval practise (quizzing) is the best form of revision. You want it to be hard on the brain.
  - ·Try to test your friends/family and get them to test you. Come back to any questions you got wrong and keep trying until you get them right.
  - ·Space our and interleave your study – this means study 15 minutes on one topic before moving onto another. These can be from different subjects too.
  - ·Saying things out loud can help you to learn and can improve your use of appropriate vocabulary.
- **HONESTY** - Always be honest with yourself. Teachers can help you but they cannot do the work for you.
- **PERSEVERE** - Don't give up: it really is not a long time and it will be worth it! Good luck!

# English

## Reading Paper (Dystopian Fiction) – 40 marks

Time allowed: 50 minutes

In this paper, you will read a short dystopian fiction extract and answer a range of reading questions.

### You will be assessed on your ability to:

- retrieve information from the text
- infer ideas and feelings
- analyse language and structure
- explain the writer's methods and effects

### Question styles may include:

- selecting the correct statement
- finding a word or quotation
- identifying inference
- identifying dystopian features
- explaining how the writer creates atmosphere or tension

### identifying:

- metaphors
- pathetic fallacy
- foreshadowing
- structural methods
- tone
- fact and opinion

# English

## Reading Paper (Dystopian Fiction) – 40 marks

Time allowed: 50 minutes

In this paper, you will read a short dystopian fiction extract and answer a range of reading questions.

### You will be assessed on your ability to:

#### Extended Response Question

For the final question, you will write two analytical paragraphs explaining how the writer creates a particular atmosphere or feeling.

#### Use:

- short embedded quotations
- subject terminology
- detailed analysis of words and phrases
- clear explanations of the effect on the reader

#### Recommended Paragraph Structure

##### Use this structure in your analytical paragraphs:

1. Overarching statement – answer the question clearly
2. Embedded evidence – include a short quotation naturally
3. Inference – explain what this suggests
4. Analysis of a word or phrase – zoom in on language choices

#### Remember:

- Read questions carefully.
- Stay focused on the wording of the question.
- Use evidence from across the extract.
- Write in clear, organised paragraphs.

# English

## Year 8 Reading Practice (Dystopian Fiction)

Read the extract below and answer the questions that follow.

The warning siren echoed across the city just as the sky turned a sickly shade of orange. Everyone on the street lowered their heads immediately. No one spoke. No one dared. Lena pulled her hood tighter and hurried past the towering grey buildings. Giant screens flickered above her, flashing the same message again and again:

OBEDIENCE CREATES SAFETY

Rain lashed against the pavement, and the wind howled through the empty streets like a wounded animal. Somewhere in the distance, metal gates slammed shut.

Lena's hands trembled as she reached into her pocket and felt the folded piece of paper hidden there. If the guards discovered it, everything would change.

Behind her, footsteps suddenly began to quicken.

### Question 1 (1 mark)

Read each statement. Tick the correct answer.

Statement	Tick (✓)
The city seems cheerful and welcoming.	
People appear frightened of breaking rules.	
Lena is walking with a group of friends.	
The screens encourage people to think independently.	

# English

## Year 8 Reading Practice (Dystopian Fiction)

### Question 2 (1 mark)

Find and copy one word which suggests the city feels unpleasant or unhealthy.

---

### Question 3 (1 mark)

What can you infer about the people in the city?

Tick one.

	Tick (✓)
They feel safe and relaxed.	
They are afraid of authority.	
They enjoy the warning sirens.	
They trust the government completely.	

### Question 4 (2 marks)

Identify two dystopian features from the extract.

Dystopian Feature	Quotation
_____	_____
_____	_____

# English

## Writing Paper (Dystopian / Transactional Writing) – 40 marks

Time allowed: 45 minutes

In this paper, you will answer a range of short writing and language questions before completing an extended transactional writing task.

### This paper tests your ability to:

- write clearly and accurately
- use ambitious vocabulary
- use punctuation correctly
- create atmosphere and description
- use persuasive techniques effectively
- structure writing for purpose and audience

### Question styles may include:

- writing descriptive sentences using adjectives
- improving vocabulary by choosing more effective verbs
- identifying correct punctuation
- adding missing punctuation such as commas or brackets
- writing similes and metaphors to create atmosphere
- rewriting sentences using:
  - direct address
  - emotive language
  - persuasive techniques
- identifying the most effective persuasive sentence

# English

## Extended Writing Task

For the final question, you will write the opening of a transactional piece of writing, such as a speech.

### You may be asked to:

- persuade a particular audience
- use rhetorical devices
- write in an appropriate tone and style
- structure ideas clearly and effectively

### In your extended response, aim to:

- engage your audience from the opening
- use rhetorical devices such as:
  - emotive language
  - rhetorical questions
  - anecdotes
  - direct address
  - repetition
- vary sentence lengths for effect
- use accurate spelling, punctuation and grammar
- organise ideas into clear paragraphs

### Before You Write

#### Spend a few minutes planning:

- your main arguments or ideas
- your tone and audience
- persuasive techniques you could include
- how you will begin strongly and end effectively

# English

## Year 8 Writing Practice (Dystopian / Transactional Writing)

### Question 1 (2 marks)

Read the sentence below.

**The streets were dark and empty.**

Rewrite the sentence so that it:

- includes a simile
- creates a tense atmosphere

---

---

---

### Question 2 (2 marks)

Read the sentence below.

**Students should join after-school clubs.**

Rewrite the sentence so that it:

- directly addresses the reader
- uses emotive language to persuade

---

---

---

# English

## Year 8 Writing Practice (Dystopian / Transactional Writing)

### Question 3 (6 marks)

**Your Headteacher is considering cancelling the school rewards trip.**

Write the opening paragraph of a speech persuading your Headteacher to keep the trip.

Try to include:

- Direct address – “**You** can make a difference.”
- Rhetorical question – “Do we really want our school to lose this opportunity?”
- Emotive language – “It would be **heartbreaking** to cancel the trip.”
- Ambitious vocabulary – essential, beneficial, opportunity, determined

---

---

---

---

---

---

---

---

---

---

# Maths

**Paper 1 (Non-calculator) - 45 minutes - 45 marks**

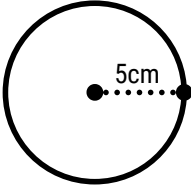
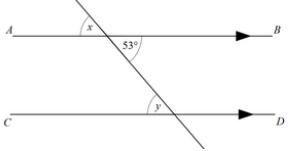
**Paper 2 (Calculator) - 45 minutes - 45 marks**

Topic		Sparx Codes
Powers and Roots	Use integer powers and associated real roots (square, cube and higher), recognise powers of 2, 3, 4, 5 and distinguish between exact representations of roots and their decimal approximations	M135, M608
Prime Factorisation	Use the concepts and vocabulary of prime numbers, factors (or divisors), common factors, prime factorisation, including using product notation and the unique factorisation property (HCF and LCM with large numbers taught in 9.04)	M322, M823, M108, M365, M227, M698
Rounding	Round numbers and measures to an appropriate degree of accuracy [for example, to a number of decimal places or significant figures]	M111, M431, M994, M131, M878
Fractions	Multiply and divide fractions and mixed numbers	M939, M410, M671, M601, M835, M931, M157, M197, M110, M265
Solving Equations 1	Use algebraic methods to solve linear equations in one variable (including all forms that require rearrangement). Model situations or procedures by translating them into algebraic expressions or formulae and by using graphs	M707, M509, M387, M554, M813, M795, M531, M957
Angles in Parallel Lines	Understand and use the relationship between parallel lines and alternate and corresponding angles	M818, M163, M606, M351, M679, M393
Circumference	Calculate and solve problems involving perimeters of 2-D shapes (including circles) and composite shapes	M595, M169

# Maths

Topic		Sparx Codes
Direct Proportion	Understand that a multiplicative relationship between two quantities can be expressed as a ratio or a fraction	M478, M681
Fractions, decimals, and percentages	Fractions, decimals, and percentages	Fractions, decimals, and percentages
Percentage Calculations	Solve problems involving percentage change (calc and non calc), including: percentage increase, decrease, original value problems and simple interest in financial mathematics. Using multipliers. Writing numbers as percentages of other numbers.	M235
Ratio 1	Divide a given quantity into two parts in a given part:part or part:whole ratio; express the division of a quantity into two parts as a ratio	M885, M543, M267, U921, M801, M525
Area of Circles	Derive and apply formulae to calculate and solve problems involving area of circles (including part circles) and trapezia	M705, M231, M430, M303, M269, M996
Statistics 1 (presenting and interpreting data)	Construct and interpret appropriate tables, charts, and diagrams, including frequency tables, bar charts, pie charts, vertical line (or bar) charts and stem and leaf for ungrouped and grouped numerical data	M945, M460, M738, M140, M183, M574, M165, M648, M210
Averages and Spread	Describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency (mean, mode, median) and spread (range, consideration of outliers).	M940, M934, M328, M841, M440
Statistics 1 (presenting and interpreting data)	Construct and interpret appropriate tables, charts, and diagrams, including frequency tables, bar charts, pie charts, vertical line (or bar) charts and stem and leaf for ungrouped and grouped numerical data	M945, M460, M738, M140, M183, M574, M165, M648, M210

# Maths

<p>1) Without a calculator, find 12% of 80</p>	<p>2) Find the area of the below, give your answer in terms of <math>\pi</math></p>  <p>The diagram shows a circle with a center point. A dotted line segment extends from the center to the right edge of the circle, labeled '5cm', representing the radius.</p>	<p>3) Expand and simplify:  <math>3(x - 4) + 2(3x + 5)</math></p>
<p>4) Solve:  <math>3x - 12 = 15</math></p>	<p>5) Write 156 as a product of its prime factors.</p>	<p>6) Lucy buys 15 pens for a total of £14.25. Find the total cost of 8 pens.</p>
<p>7) Round the below to 2 significant figures</p> <p>14.562</p> <p>0.0043112</p>	<p>8) Write the below as a fraction in its simplest form:</p> <p>0.04</p> <p>18%</p>	<p>9) Find the value of:  <math>7^2 + 6^2 - 11</math></p>
<p>10) Below is a data set:            7, 18, 4, 3, 6, 12, 9</p> <p>a) Find the range</p> <p>b) Find the median</p>	<p>11) Holly and Fred share some sweets in the ratio 6 : 5            If Holly has 48 sweets. How many have they shared in total?</p>	<p>12) </p> <p>a) Write down the size of angle x. Give a reason for your answer</p> <p>b) Write down the size of angle y. Give a reason for your answer</p>

# Science

**Exam format 3 x 30 minute exam covering all topics below**

**Calculators and periodic tables provided**

## Biology

### Cells, tissues and organs

- The microscope
- Prokaryotic and eukaryotic cells
- Specialised cells
- Digestive system
- Respiratory system
- Diffusion in cells

### Reproduction and variation

- Sexual reproduction
- Fertilisation
- Birth and development
- Menstrual cycle
- Reproduction in plants
- Seed dispersal
- Variation

### Ecological relationships and classification

- Food webs
- Classification
- Adaptations
- Natural selection
- Evolution and extinction
- Biodiversity

### Digestion and nutrition

- Diet
- Food tests
- Digestion
- Effect of temperature on enzymes

## Chemistry

### Particles

- Particle model
- Diffusion
- Changes of state
- Gas pressure
- Mixtures
- Distillation
- Chromatography

### Chemical reactions

- Chemical change
- Oxidation reactions
- Acids and alkalis
- Metals and acids

### The periodic table

- Elements, compounds, and mixtures
- Atomic model
- Conservation of mass
- Group 1 and group 7
- Patterns in mass change

### Materials and the Earth

- Structure of the Earth
- Igneous, sedimentary and metamorphic rocks
- Fossils and fossil fuels
- Atmosphere changes
- Greenhouse gases
- Ceramics, polymers and composites

## Physics

### Energy

- Energy stores
- Efficiency
- Conduction and convection
- Insulation
- Power and energy
- Cost of electricity
- Renewable and non-renewable energy resources

### Forces and motion

- Forces
- Balanced and unbalanced forces
- Calculating weight
- Pressure
- Speed
- Friction
- Distance-time graphs

### Light and space

- Light waves
- Reflection and refraction
- Vision
- Colours and filters
- The solar system, stars, and the universe
- Formation of planets

### Electricity and magnetism

- Series and parallel circuits
- Current, potential difference and voltage
- Ohm's law
- Resistance of a wire
- Insulators and static electricity
- Magnetic fields
- Electromagnetism

# Geography

**1 x 60 minute exam 56 marks**

## Topics Covered:

### Coasts

- Coastal erosion processes (hydraulic action, abrasion, attrition, solution)
- Landforms of coastal erosion – caves, arches, stacks, stumps
- Constructive and destructive waves
- Longshore drift
- Landforms of deposition
- Coastal management

### Population

- Sparsely and densely populated places
- Reasons for population density
- Population pyramids
- Overpopulation
- Population management
- Ageing populations

## REVISION

- Complete the revision topics and practice questions set on Seneca
- Use your knowledge organiser for key terms and processes
- Use BBC Bitesize – KS3 Geography – Coasts
- Make revision mind maps and notes to supplement your learning.
- <https://www.bbc.co.uk/bitesize/topics/z6bd7ty>
- Use BBC Bitesize – KS3 Geography – Population
- Make revision mind maps and notes to supplement your learning.
- <https://www.bbc.co.uk/bitesize/topics/zg7nvcw/articles/zxv4cmn>

# Geography

1 x 45 minute exam - 40 marks

## What's on the paper?

Topic 1: Population

Topic 2: Coasts

Topic 3: Ecosystems

Topic 4: Tectonics

## What are some example questions?

- You may see 'a biome you have studied' this means either the tropical rainforest or hot desert.
- You will see 5 mark questions your structure should be: Point, Develop, Develop (x2) + PLC
- You will also see new 3 mark questions use: Point, Develop, Develop + PLC

## Keywords:

- Hydraulic Action
- Abrasion
- Longshore Drift
- Population Density
- Migration
- Push factor
- Pull factor

## REVISION

- Complete the revision topics and practice questions set on Seneca
- Use your knowledge organiser for key terms and processes
- Make revision mind maps and notes to supplement your learning using <https://www.bbc.co.uk/bitesize/topics/zvwtsbk>
- Complete the revision booklet work

# History

**45-minute exam covering Units 1 to 4 of Year 8 curriculum, 40 marks**

## What's on the paper?

Unit 1: The Tudors

Unit 2: England a world turned upside down (The Stuarts)

Unit 3: Transatlantic Slave Trade

Unit 4: Industrial Revolution

## What are some example questions?

- What can you infer from source A?
- What is the purpose of source B?
- Explain why someone would agree or disagree with interpretation one?
- 'Statement' Do you agree with this opinion?
- 'Statement; How far do you agree with this opinion?

## Keywords:

- Infer - think
- Source - something that tells you about the past
- Interpretation - opinion
- Purpose - the reason why something was made

## REVISION

- Complete the revision booklet which will be given to you by your class teacher
- Complete the revision topics and practice questions set on Seneca
- Use your knowledge organiser for key terms and dates

# Spanish

**2x 30 minutes papers (Paper 1: listening and Reading/Paper 2: Writing)**

## **Topics covered in the Exam:**

Basic greetings  
Introducing yourself  
Family members and pets  
School subjects  
Likes and dislikes of school subjects and reasons  
House and furniture  
Rooms around the house  
The type of town/ house I live in

## **REVISION**

- Complete the revision booklet which will be given to you by your class teacher
- Complete the revision topics and practice questions set on [Languagenut.com](https://www.languagenut.com)
- Use your knowledge organiser for key phrases (these are presented in the form of sentence builders)

# PRE

**You will sit one assessment that will have two sections on Islam and Hindu Dharma. The exam is 45 minutes long and is worth 44 marks.**

The exam will consist of multiple-choice questions, describe questions and explain questions.

Example questions:

Describe three actions that may be performed on Hajj (3 marks)

Describe three beliefs about dharma (3 marks)

Explain two reasons why the Qu'ran is important (4 marks)

Explain two Hindu beliefs about the afterlife (4 marks)

## Section A

**Topic: Islam**

**Specific Content:**

- The Qur'an
- Pre-Islamic Arabia
- The Hajj Pilgrimage
- The Prophet Muhammad

## Section B

**Topic: Hindu Dharma**

**Specific Content:**

- Trimurti
- afterlife
- dharma
- Puja
- Diwali

## REVISION

- You will be given a revision pack to take home and revision will be provided on SENECA
- You will have revision lessons in class

# ICT

**The assessment will take place in your classroom.**

**Your assessment will be 50mins long and will be 50 marks in total**

## **Topics that will be covered:**

Topic 1 – Business and Enterprise

Topic 2 – Layers of Computer Systems

Topic 3 – Modelling

Topic 4 – Python Programming

You will be assessed on your ability to apply learnt ICT skills as well as key terminology and concepts.

## **Revision:**

You will be given a revision booklet to take home to help you revise the above topics we have covered since the start of year 8.

You can also use:

Seneca

Teams – class pages with lesson PowerPoints

Revision checklist/booklet that will be given to you

# My Revision Planner

Week: .....

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9am							
10am							
11am							
12am							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							
7pm							
8pm							
9pm							

# Timetable

## Week 1

	Monday 15th June	Tuesday 16th June	Wednesday 17th June	Thursday 18th June	Friday 19th June
Registration and Revision (8.00am)	Geography	Spanish	PRE	History	Science
Period 1 Exam start 9.00am	Geography				
Period 2				History	
Break					
Period 3		Spanish			
Period 4			PRE		Spanish
Lunch					
Period 5 Exam starts at 2pm					
Revision (3-4pm)					

# Timetable

## Week 2

	Monday 22nd June	Tuesday 23rd June	Wednesday 24th June	Thursday 25th June	Friday 26th June
Registration and Revision (8.00am)	Science	English	English	Maths	Maths
Period 1 Exam start 9.00am	Science - Sportshall exam			Year 8 Maths Revision in lessons	
Period 2	Science - Sportshall exam			Maths Exam Sportshall	
Break					
Period 3		English Revision in Lesson			
Period 4		English Reading - Sportshall Exam			
Lunch					
Period 5 Exam starts at 2pm		English Reading - Sportshall Exam			
Revision (3-4pm)					

# Timetable

## Week 3

	Monday 29th June	Tuesday 30th June
Registration and Revision (8.00am)		
Period 1 Exam start 9.00am		
Period 2		
Break		
Period 3	Maths Revision	
Period 4	Maths Exam - Sportshall	
Lunch		
Period 5 Exam starts at 2pm	Science -Sportshall	
Revision (3-4pm)		