Year 7 Revision List

English:

Assessment – Poetry analysis and speech writing, one poem given that has been studied in class and speech writing on a different topic that will be given on the day.

2 full lessons in class.

Revision – revision notes on *What Has Stephen Lawrence Taught Us?, Not My Business, Hurricane Hits England* and *The New Colossus;* knowledge of structures for poetic analysis; knowledge of structures for speeches; knowledge of success criteria for speech writing (non-fiction writing).

Computing:

E-safety

- Digital footprint / Tattoo
- Fake news
- Effective searching

Computational Thinking

- Abstraction
- Decomposition
- Pattern recognition
- Algorithm
- Applying the above techniques to given scenarios
- Sequencing and selection
- Flowchart symbols
- Creating flowcharts
- Identifying errors in flowcharts

Spreadsheets

- Mathematical operators and how they are used in formulae
- How to write formulae
- Functions: Max, Min, Average, SUM

Spanish:

A listening, reading a writing assessment.1 lesson for the listening and reading and another lesson for the writing.

Class teachers will have put knowledge organisers onto ClassCharts and Google Classrooms to access for revision.

Topics:

- All about me
- Family and pets
- School
- Hobbies - sports
- House and area

German:

A listening, reading a writing assessment.1 lesson for the listening and reading and another lesson for the writing.

Class teachers will have put knowledge organisers onto ClassCharts and Google Classrooms to access for revision.

Topics:

- All about me
- Family and pets
- Free time
- School

History:

Anglo Saxons & Normans = 1066 succession crisis, 3 Battles of 1066, WIlliams methods of control (Castles, Domesday Book, Feudal System, Harrying of the North)

Religion in the Medieval World = Islamic world (Medieval Baghdad, House of Wisdom), Christian England (importance of the church, Doom paintings, the murder of Thomas Becket), The Crusades

Black Death = causes, treatments, consequences

Tudors = Henry's Break from Rome, Edward VI, Mary I, Elizabeth I

Maths:

Q	Emerging	Sparx
1	To be able to multiply an integer by 10, 100 and 1000	**M113**
2	To be able to divide an integer by 10, 100 and 1000	**M113**
3	To be able to round to the nearest 10. 100 and 1000	**M111**
4	To be able to simplify expression involving one variable	**M795**
5	To be able to substitute integers into expressions with one variable	**M417**
6	To be able to understand the meaning of inverse	
7	To be able to know the order of operations	**M521**
8	To be able to apply order of operations to problems	**M521**
9	To be able to write multiples of a number	**M752**
10	To be able to write factors of a number	**M823**
11	To be able to write prime numbers	**M322**
12	To be able to write a fraction from a diagram	**Q768**
13	To be able to simplify fractions	**M671**
	Developing	
14	To be able to multiply and divide by 10, 100 and 1000	**M113**
15	To be able to round to the nearest integer, decimal place and significant figure	**M431, M994, M131**
16	To be able to approximate calculations	**M878**
17	To be able to determine bounds for the nearest 10, 100 and 1000	**M730**
18	To be able to use the four operations in calculations involving directed numbers	**M106, M288**
19	To be able to simplify expressions with multiple variables including negative coefficients	**M531**
20	To be able to substitute decimal and negative values into expressions	**M327**
21	To be able to solve one step equations with integer solutions	**M707**
22	To be able to apply the order of operations involving brackets and indices	**Q546**
23	To be able to convert standard form to ordinary numbers	**M719, M678**
24	To be able to convert ordinary numbers to standard form	**M719, M678**
25	To be able to find the HCF of two numbers	**M698**
26	To be able to find the LCM of two numbers	**M227**
27	To be able to write a number as a product of its prime factors	**M108**
	Securing	
28	To be able to approximate multi -step calculations involving dividing by decimals	**M878**
29	To be able to determine bounds for the nearest SF, DP and calculations	**U657**
30	To be able to simplify expressions involving indices	**U105**
31	To be able to solve one step equations with fractional, negative or decimal solutions	**U755**
32	To be able to for one step equations from context	**M707**
33	To be able to insert brackets into multi – step problem to produce the correct outcome	**U976**
34	To be able to carry out calculations involving standard form	**D650**
35	To be able to find the HCF and LCM of two or more numbers using their product of prime factors	**U250**
	Mastering	
36	To be able find maximum and minimum values of calculations involving rounding	**E311**
37	To be able to equate coefficients to find missing value in identities	**U179, U365**
38	To be able to solve equations in real life contexts	**U755**
39	To be able to solve equations which require rearrangement	**U675**
40	To be able to convert answers which are not correct standard form	**U161**
41	To be able to find possible values given the HCF and LCM	**M365**

Geography:

Your End of Year Assessment will ask you questions about the topics and places you have learned about in **Year 7 Units 1–5**. Your assessment is **50 minutes** and there will be **40 marks** available. You can use a calculator.

The assessment will have:

- Questions that ask about figures and diagrams.
- Several questions of one, two and three marks.
- One longer essay of four marks.

Maximise your revision by focusing on information from the four boxes below.

1. Key terms

- atmosphere
- biotic
- British Isles
- border
- continental drift
- condensation
- core / mantle / crust
- deciduous
- evaporation
- habitable
- latitude
- migration
- molten
- nutrient
- oxygen
- temperate
- water vapour

2. Big ideas

- Four nations of the **UK** (U1, L5)
- **Earth's structure** (U2, L3)
- How the **atmosphere** supports life (U2, L4)
- Definitions of **migration, government** and **culture** (U2, L6)
- **Population change** in the UK (U2, L7)
- **Nutrients** supporting plant growth (U4, L2)
- **Biomes** and their **latitudes** (U4, L5)
- **Deciduous forest** biome (U4, L6–7)

3. Key topic – UK Human Geography

Revision question to focus on: **How has population in the UK changed over time?**

Key lesson: **Unit 2 Lesson 7**

Key terms: rapid, increase, health, medicine, vaccine, nutrition, sanitation, waste, sewage.

Key idea: How factors such as medical improvements, access to clean water and better nutrition have caused population to rise.

4. Skills

- Compass directions (U1, L2)
- Matching OS maps with photos (U1, L3)
- UK map (U1, L4–5)
- Line graphs (U2, L7)
- Four-figure grid references (OS maps) (U3, L8)
- Food webs and chains (U4, L2)
- Latitude and global biomes map (U4, L4)
- Spot heights (OS maps) (U5, L3)

You may wish to use some of the following strategies to help you revise:

Revise the glossaries for Units 1–5.

Create flash cards

Practice the skills mentioned in box 4.

Discuss how the UK population has changed over time.

Science:

Exam Paper Details:

Paper	Length of Exam
1	50 minutes
2	50 minutes

What You Need to Revise:

Cells

- Draw and label animal and plant cells and compare them
- Use microscopes safely and label the parts
- Label organelles with correct spellings
- Describe diffusion in liquids and gases

Reproduction

- Compare sexual and asexual reproduction
- State the changes that happen during puberty
- Label the male and female reproductive systems
- Describe the menstrual cycle
- Describe embryo development in humans
- Label the reproductive parts of a flower
- Describe plant reproduction and seed dispersal

Interdependence

- Define ecosystems, habitats, populations and communities
- Use quadrats and representative sampling methods
- Interpret food chains, food webs and trophic levels
- Compare pyramids of numbers and biomass
- Describe biotic and abiotic factors
- Explain competition in ecosystems

Atoms, Elements & Compounds

- Identify atoms and label subatomic particles
- Label groups and periods on the periodic table
- Describe the properties of metals and non-metals
- Identify elements and compounds from formulae
- Calculate mean and range from results

Mixtures

- Define compound, mixture, pure and impure
- Describe filtering, distillation and chromatography
- Interpret particle diagrams of mixtures and compounds
- Explain the difference between melting and dissolving
- Explain how purity can be determined

Forces

- State contact and non-contact forces
- Describe balanced and unbalanced forces
- Calculate resultant forces from diagrams
- Explain the difference between accuracy and precision
- Explain elastic deformation in springs
- Explain how friction affects motion

Energy

- State the 5 energy stores and 4 energy transfers
- Explain how energy is transferred and wasted
- Calculate efficiency in appliances
- Describe how temperature affects particles
- Define thermal conductors and insulators

Electrical Circuits

- Identify and draw circuit symbols and diagrams
- Define current and voltage
- Explain how energy is transferred in circuits
- Describe the effects of changing current and voltage
- Compare series and parallel circuits

Space

- State the difference between gravity, mass and weight
- Use units for mass and weight correctly
- Explain how gravity causes orbit
- State the planets in order with basic features
- Compare satellites, comets and asteroids
- Explain why Earth experiences seasons
- Explain how solar and lunar eclipses occur

Skills You Will Be Tested On

- Understanding command words (e.g. State, Describe, Explain, Analyse, Compare)
- Describing the trends from graphs
- Predicting values using graphs
- Calculating percentages
- Choosing appropriate equipment
- Identifying three variables in an experiment (independent, dependent and control)

How to Revise Well

- *Make flashcards*
- *Test yourself using retrieval questions – All core questions available from science team.*
- *Complete past paper questions*
- *Mark them using model answers*

- *Revisit anything you got wrong*
- *Use AI responsibly to test you.*
  Give a very precise instruction "Test me only on questions that could be found in KS3 Science. Make sure these are very similar in style to real exam questions." "The topics I need to cover are_____[insert topics on this sheet]_____"
  Then type your answer in and ask for it to give you feedback. "now mark my answers and give me feedback"

Where to Find Revision Resources

- *Sparx / Exampro*
- *Past paper questions*
- *'Free science lessons' on Youtube.*

Help & Support

- Speak to your teacher if you need help. We are more than happy to help!

Food Technology:

Hygiene & Safety

- Why hygiene is important in cooking
- Personal hygiene rules
- Basic kitchen safety
- Food safety basics
- Accidents

Knife Skills

- Carrying a knife safely
- Correct knife grip
- **Bridge hold**
- Introduction to the **claw grip**
- Basic cutting skills
- Using a chopping board safely
- Keeping fingers tucked away

Eatwell Guide

- What the Eatwell Guide is
- Why it helps us eat healthily
- The five food groups
- Understanding proportions

- Identifying food groups in simple meals

Carbohydrates (Introduction)

- What carbohydrates are
- Why our bodies need carbohydrates
- Carbohydrates give us energy
- Examples of carbohydrate foods:
- Identifying carbohydrate foods in recipes

Fats (Introduction)

- What fats are
- Why our bodies need some fat
- Knowing that too much fat is unhealthy
- Examples of foods containing fat
- Understanding fats as part of the Eatwell Guide

Sensory Analysis (Introduction)

- What sensory analysis means
- Using the five senses
- Simple descriptive words
- Saying what went well in a dish
- Giving a simple opinion

Naming Kitchen Equipment

- Identifying basic equipment:
    - Knife
    - Chopping board
    - Peeler
    - Grater
    - Mixing bowl
    - Measuring jug
    - Weighing scales
- Using equipment safely
- Washing and storing equipment correctly

Basic Cooking Skills

- Measuring ingredients
- Following a simple recipe
- Keeping the workstation tidy
- Washing up and cleaning correctly

Music:

Music KS3 exams will be on the key vocabulary pupils have covered on the 4 Schemes of work that have been completed. It will last 30 minutes.

1. On the Way (Vocal skills + AABA melody)
2. Motifs and Ostinato
3. Keyboard skills (Notes in the treble and bassclef
4. Rhythms around the world 1 (African drumming / Steel Pans)