

North Oxfordshire Academy

Year 11 Summer Task Booklet

Message from the Curriculum Lead

Welcome to your Summer Homework for Year 11.

This booklet is designed to:

- Help you **review key knowledge**
- Build **confidence ahead of next year**
- Support **independent learning habits**

All tasks link directly to your **revision guide** and include resources you can access without logging into school systems.

Expectations:

- Complete all tasks to the best of your ability
- Use your **revision guide** to support your answers
- Ask for help if needed when we return

How to Use This Booklet

1. Read the task carefully
2. Use your **revision guide** (pages if referenced)
3. Access any additional resources using the links/QR codes
4. Complete your answers in this booklet

💡 *Tip: Spread tasks out across the summer rather than completing them all at once.*

Summer Helpdesk

If you need further guidance or support, remember the layers of support which are on offer to you. You can talk to:

- Your class teacher.
- Your Head of Departments.

If you are concerned, stuck or feeling unsure of **anything please get in contact with the school** – we want to be able to offer support to you. Please email the subject contact below:

| Key Leader | Role | |
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| David Murphy | Vice Principal – Year 11 | david.murphy@northoxfordshire-academy.org |

For out of hours support

Email David.murphy@northoxfordshire-academy.org

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| English Language | Summer Task | <p>Please complete tasks in the Yr 10 into 11 Summer Pack as directed by your teacher.</p> <p>Please see below the link to the booklet, as well as to the revision resources on Padlet (which is pinned to your class Teams).</p> |
| | Link to resources if applicable | <p>https://padlet.com/missbenson/noa-english-revision-c2a1omin855cloj5</p> <p>https://bit.ly/4eCMygV</p> |
| English Literature | Summer Task | <p>Please complete tasks in the Yr 10 into 11 Summer Pack as directed by your teacher.</p> <p>Please see below the link to the booklet, as well as to the revision resources on Padlet (which is pinned to your class Teams).</p> |
| | Link to resources if applicable | <p>https://padlet.com/missbenson/noa-english-revision-c2a1omin855cloj5</p> <p>https://bit.ly/4eCMygV</p> |
| Maths | Summer Task | <p>This summer is a good chance to recap the key topics you'll need going into Year 11. A little regular practice will make a big difference.</p> <p>For each topic:</p> <p>1. Watch Use Maths Genie or 1st Class Maths to watch a short video and remind yourself of the method.</p> <p>2. Practice Try a few questions on the same site (start easy, then build up).</p> <p>3. Apply Complete exam-style questions from Maths Genie or 1st Class Maths.</p> <p>4. Use Sparx Complete any tasks set, or search for the topic and practice similar questions.</p> <p>5. Check mistakes Go back over errors and fix them – this is where most progress happens.</p> <p>Foundation focus: FDP conversions, fractions of amounts and linear equations Crossover focus: Proportion, ratio, Pythagoras, trigonometry, transformations and compound interest Higher focus: Indices, surds, algebraic fractions, probability, cumulative frequency and box plots</p> <p>Focus on understanding, not just getting answers. If something feels difficult, that's usually a sign it's worth practicing.</p> |
| | Link to resources if applicable | <ul style="list-style-type: none"> • Maths Genie • 1st Class Maths • Sparx • Method Maths |
| Science Trilogy | Summer Task | <ol style="list-style-type: none"> 1) Log onto sparx - Complete any tasks set, or search for the topic and practice similar questions. 2) Complete the following knowledge check using the revision resource link below: |

Biology

Define these key terms

- Osmosis
- Diffusion
- Active transport
- Resolution
- Adult stem cell
- Embryonic stem cell
- Mitosis
- Chloroplast
- Permanent vacuole
- Cellulose cell wall

What are the tests (also anything special you must do to them to make them work)

1. Starch
2. Sugar
3. Protein
4. Lipids

What are the three things white blood cells can do as part of immune response

- 1.
- 2.
- 3.

What pathogen causes

- Food poisoning
- Common cold
- Athletes foot

Word equation for aerobic respiration

Chemistry

- How is a positive ion formed
- How is a negative ion formed
- Define an isotope
- What is an ionic bond
- What is a covalent bond
- What is electrolysis
- What is reduction
- What is oxidation
- What is an endothermic reaction
- What is an exothermic reaction

Physics

- Define specific heat capacity
- How do you increase the gravitational potential energy of an object
- Define Power
- What happens to current in a series circuit
- What happens to potential difference in a series circuit
- Draw the symbol for a resistor
- What are the mains potential difference and frequency for UK homes
- What is the definition of specific latent heat

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| | | <ul style="list-style-type: none"> What are the three types of nuclear radiation |
| | Link to resources if applicable | Science Trilogy revision |
| Triple Science-Biology | Summer Task | Please complete the Exam pro document that has been loaded onto Arbor. Please bring your completed script to the first lesson of Year 11 chemistry. |
| | Link to resources if applicable | If you need additional help then please use your CGP revision guide and also online resources can be found : Science Trilogy revision https://youtu.be/JSU_TLLjR-8?si=T4qdCJmyy14yrC3p |
| Triple Science-Chemistry | Summer Task | Please complete the Exam pro document that has been loaded onto Arbor. Please bring your completed script to the first lesson of Year 11 chemistry. |
| | Link to resources if applicable | If you need additional help then please use your CGP revision guide and also online resources can be found : Science Trilogy revision https://youtu.be/o3FT45tmgDc?si=ATPGwdE_nhu_aOR4 |
| Triple Science-Physics | Summer Task | Please complete the Exam pro document that has been loaded onto Arbor. Please bring your completed script to the first lesson of Year 11 chemistry. |
| | Link to resources if applicable | If you need additional help then please use your CGP revision guide and also online resources can be found : Science Trilogy revision https://youtu.be/igwS_Wb1Enw?si=4GXldtaRjhulPsNc |
| Geography | Summer Task | Complete the exam question booklets on Changing Economic World AND Coasts OR Rivers. When completed, please use the example answers to mark and amend your attempts. |
| | Link to resources if applicable | Physical Landscapes Rivers KUU booklet.docx Physical Landscapes Rivers KUU booklet- Answers.docx Physical Landscapes Coasts KUU booklet.docx Physical Landscapes Coasts KUU booklet- Answers.docx Changing economic world India KUU booklet.docx Changing economic world India KUU booklet - Answers.docx |
| History | Summer Task | <ol style="list-style-type: none"> Complete two 16 marker Medicine questions from your exam booklet Complete two 16 marker Germany questions from your exam booklet |
| | Link to resources if applicable | Refer to Teams resources for both the booklets and any summary sheets needed to complete the exam questions. |
| Computer Science | Summer Task | Complete the task on Python if you have access to it. Below is a link to an online Python Editor if needed at home. |
| | Link to resources if applicable | Online Python - IDE, Editor, Compiler, Interpreter Topic 1-2 Revision.docx – Also on Teams – (This needs to be completed by everyone) Python Programming Task.docx – Also available on Teams |

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| <p>Spanish (Edexcel)</p> | <p>Summer Task</p> | <p>1. Phonics & Read Aloud Practice</p> <p>The new speaking exam now includes a read-aloud task that rewards clear pronunciation.</p> <ul style="list-style-type: none"> • Recording Challenge: Select a short Spanish text (e.g., from BBC Bitesize) and record yourself reading it, focusing on accent accuracy. <p>2. Dictation & Listening Skills</p> <p>Dictation is a new addition to the Listening paper.</p> <ul style="list-style-type: none"> • Topic Dictation: Use resources like the Bilingual Cerebros YouTube series to practice transcribing short Spanish sentences on topics like "Technology" or "School". • Accents Check: Focus on writing words with correct accents (á, é, í, ó, ú) to avoid losing marks in the dictation section. <p>3. High-Frequency Vocabulary</p> <p>The new spec prioritises practical, high-frequency words over long thematic lists.</p> <ul style="list-style-type: none"> • Verb Mastery: Revise the "Top 100" verbs in the Present, Preterite, and Future tenses: https://quizlet.com/gb/541690773/important-verbs-spanish-gcse-flash-cards/ • Theme Review: Refresh vocabulary for core themes: Family, Free Time, School, and Travel. Tools like Quizlet or Memrise are ideal for this. <p>4. Transactional Role Play</p> <p>Role play instructions are now given in English.</p> <ul style="list-style-type: none"> • Real-World Scenarios: Practise phrases for ordering food, asking for medical help, or arranging to meet friends. • Speaking Mats: Use Pearson's Speaking Mats to practice describing photos and initiating conversations. <p>5. Resources</p> <ul style="list-style-type: none"> • Workbooks: Use the CGP New GCSE Spanish Edexcel Exam Practice Workbook (for 2026 exams) which includes audio for dictation practice. • Revision Guides: The Pearson Revise Edexcel GCSE Spanish Revision Guide is specifically aligned to the new 2024 specification. |
| | <p>Link to resources if applicable</p> | <p><u>Link to Workbooks</u> https://www.cgpbooks.co.uk/secondary-books/gcse/languages/spanish/speq42-new-gcse-spanish-edexcel-exam?srsId=AfmBOopzbXf43WMj7y7ET3qyFuKy6vqH2RiOyqxCxX9bOXG8f2K7Uar5</p> <p><u>Link to Revision Guides</u> https://www.pearsonschoolsandfecolleges.co.uk/secondary/subject</p> |

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| | | s/modernlanguages/pearson-edexcel-spanish-gcse/pearson-revise-edexcel-gcse-9-1-spanish-revision-guide?srsId=AfmBOogpxKnea9jhBL2Yr1vr2H8bkhRlh_dxRFO4xgRCNb2_UT2Fr4GD |
| Art | Summer Task | There is a clear list of items and expectations in the KO that students should be working through, however students will also have individualised tasks to complete based on assessment feedback. |
| | Link to resources if applicable | GCSE Art KO |
| Business Studies | | You should write three short essays (approximately 250–400 words each) . Use subject-specific vocabulary , real business examples, and clear structure. |
| | | <p>Essay 1: The Growth of Online Retail</p> <p>Task: Discuss how online retail (e-commerce) has changed the way businesses operate and how consumers shop.</p> <p>You should include:</p> <ul style="list-style-type: none"> • The rise of online businesses (e.g. Amazon, ASOS) • Advantages for businesses (lower costs, wider reach, 24/7 trading) • Advantages for consumers (convenience, choice, price comparison) • Challenges (delivery issues, competition, security concerns) • How technology has supported this growth |
| | | <p>Essay 2: Impact of Small Businesses on the UK Economy</p> <p>Task: Explain the importance of small businesses to the UK economy.</p> <p>You should include:</p> <ul style="list-style-type: none"> • What is meant by a small business • Contribution to employment (job creation) • Innovation and entrepreneurship • Local economic impact (high streets, communities) • Challenges faced (competition from large firms, finance, risk) • Government support (grants, Start Up Loans, tax relief) |
| | | <p>Essay 3: Marketing and Branding in Modern Business</p> <p>Task: Discuss how businesses use marketing and branding to attract and retain customers.</p> <p>You should include:</p> <ul style="list-style-type: none"> • What branding is and why it is important • The role of the marketing mix (4Ps) • Examples of strong branding (e.g. Apple, Nike, McDonald's) • How social media and digital marketing are used • How businesses target different customer groups |
| | | <p>BBC Bitesize One of the most widely used GCSE resources. Clear revision notes, short videos, and quick quizzes aligned to exam boards like AQA and Edexcel.</p> <p>Tutor2u Excellent for deeper understanding of business concepts, exam technique, and real-world examples. Especially useful for higher grades.</p> <p>Seneca Learning Interactive revision platform using quizzes and spaced repetition. Good for testing knowledge and identifying gaps quickly.</p> |

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| Drama | Summer Task | <p>Component 1 – Devising You need to redraft your portfolio.</p> <p>Component 3 – Written exam Read pages 1-5 of The Crucible Revision guide.</p> <p>Read pages 6-7 of The Crucible Revision guide Pick out 6 key points about Life in Salem in the 17th Century (write them out).</p> <p>Read pages 8-9 of The Crucible Revision guide. Pick out 5 key points about Witchcraft (write them out).</p> <p>Read pages 10-11 of The Crucible Revision guide. This section is really important as the information will help you to answer the 9 mark question in the exam (it is around the context). Complete the revision task at the bottom of page 11.</p> <p>Read pages 12-13 of The Crucible Revision guide. This section is also important as will help to answer the 9 mark question in the exam. Pick out 6 key points (write them out)</p> <p>Answer the quick questions on page 16 if The Crucible Revision guide. Answer the in-depth questions on page 16 of The Crucible Revision guide. NB - Hand write these so you can hand them in after the summer.</p> <p>If you normally work with a laptop in an exam then please use a laptop.</p> |
| | Link to resources if applicable | <p>Portfolio resources are on Temas.</p> <p>This power point has this set out for you follow if needs be: Summer homework Tasks.pptx</p> |
| Engineering | Summer Task | <p>Part 1 Material Properties Use your revision guide (pages [X-X]) or the links below. Define the following material properties and give one engineering example for each:</p> <ol style="list-style-type: none"> 1. Strength – Ability to withstand force without breaking 2. Hardness – Resistance to scratching or wear 3. Toughness – Ability to absorb energy before breaking 4. Elasticity – Ability to return to original shape after deformation 5. Plasticity – Ability to permanently deform without breaking 6. Ductility – Ability to be drawn into wires 7. Malleability – Ability to be hammered or rolled into shape 8. Brittleness – Tendency to break without significant deformation 9. Stiffness (Rigidity) – Resistance to bending or deflection 10. Density – Mass per unit volume (important for weight-critical designs) 11. Thermal Conductivity – Ability to conduct heat 12. Electrical Conductivity – Ability to conduct electricity 13. Corrosion Resistance – Ability to resist rusting or chemical damage 14. Fatigue Resistance – Ability to withstand repeated loading cycles |
| | | <p>Part 2. Extended Writing Tasks (Choose ALL) You should write three short essays (approx. 250–400 words each). Use subject-specific vocabulary and real-world examples.</p> <p>Essay 1: Evolution of Bikes</p> |

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| | | <p>Task: Discuss how bicycles have evolved from early designs to modern bikes such as carbon fibre road bikes and e-bikes.</p> <p>You should include:</p> <ul style="list-style-type: none"> • Materials used (then vs now) • Changes in design and performance • The role of engineering innovation • Advantages of modern bikes <p>Essay 2: CAD & Roller Coaster Design</p> <p>Task: Explain how CAD (Computer-Aided Design) and simulation have impacted the design of modern roller coasters.</p> <p>You should include:</p> <ul style="list-style-type: none"> • What CAD is and how engineers use it • How simulation improves safety and testing • Design complexity (loops, speeds, forces) • Cost and efficiency benefits <p>Essay 3: Electric Cars in the UK</p> <p>Task: Discuss the environmental impacts and safety technologies that have contributed to the growth of electric car sales in the UK.</p> <p>You should include:</p> <ul style="list-style-type: none"> • Environmental benefits (e.g. emissions, sustainability) • Environmental challenges (e.g. battery production) • Safety features (e.g. sensors, driver assistance systems) • Why more people are choosing electric vehicles |
| | <p>Link to resources if applicable</p> | <p>https://www.bbc.co.uk/bitesize Excellent for clear definitions of material properties and GCSE-level explanations</p> <p>https://www.technologystudent.com Specifically designed for Design & Technology students</p> <p>https://science.howstuffworks.com Explains how roller coasters work using physics and engineering principles</p> <p>https://www.sciencetimes.com Explains how simulation, materials, and safety systems are used in engineering design</p> |
| <p>Food Technology</p> | <p>Summer Task</p> | <p>Task: Consolidate key topics for each of the Unit 1 modules by completing a revision form and attempting past exam questions.</p> <p><u>UNIT 1 - External examination (in June of Y11)</u></p> <p>1.1 Hospitality and Catering Provision</p> <ol style="list-style-type: none"> 1.1.1. Hospitality and Catering providers 1.1.2. Working in the Hospitality and Catering Industry 1.1.3. Working conditions in the Hospitality and Catering industry 1.1.4. Contributing factors to the success of Hospitality and Catering Provision |

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| | | <p>1.2 How the Hospitality and Catering provisions operate</p> <p>1.2.1. The operation of the front and the back of house</p> <p>1.2.2. Customer requirements in Hospitality and Catering</p> <p>1.2.3. Hospitality and Catering Provision to meet different requirements</p> <p>1.3 Health & Safety in Hospitality and Catering</p> <p>1.3.1. Health and Safety in Hospitality and Catering provision</p> <p>1.3.2. Food safety</p> <p>1.4 Food safety in Hospitality and Catering</p> <p>1.4.1. Food related causes of ill health</p> <p>1.4.2. Symptoms and signs of food induced ill health</p> <p>1.4.3. Preventative control measures</p> <p>1.4.4. The Environmental Health Officer (EHO)</p> |
| | <p>Link to resources if applicable</p> | <p>Unit 1</p> <p>Unit 1 1 KO.pdf</p> <p>Unit 1 2 KO.pdf</p> <p>Unit 1 3 KO.pdf</p> <p>Unit 1 4 KO.pdf</p> <p>Revision guide.docx</p> <p>https://forms.office.com/e/zFMuZxZ31n?origin=lpLink</p> <p>https://forms.office.com/e/nYy3pmmsuQ?origin=lpLink</p> <p>https://forms.office.com/e/CPMug3nuU8?origin=lpLink</p> <p>https://forms.office.com/e/GSPwVPkdbd?origin=lpLink</p> <p>https://forms.office.com/e/R6i9ciJ89k?origin=lpLink</p> <p>https://forms.office.com/e/PXQvBXgb2q?origin=lpLink</p> <p>https://forms.office.com/e/CA5envGQAD?origin=lpLink</p> <p>https://forms.office.com/e/etggqLLNyD?origin=lpLink</p> <p>https://forms.office.com/e/4Ut56kkQhP?origin=lpLink</p> <p>https://forms.office.com/e/NXdYWFdBhG?origin=lpLink</p> <p>https://forms.office.com/e/DAmXPK0eq?origin=lpLink</p> <p>https://forms.office.com/e/ZvMds3bsDy?origin=lpLink</p> <p>https://forms.office.com/e/smRPTGD9Sc?origin=lpLink</p> <p>HMW past exam questions.pptx</p> |
| <p>Health & Social Care</p> | <p>Summer Task</p> <p>Link to resources if applicable</p> | <p><i>Component 2 coursework research – you can only write bullet point notes if you want to use this as part of your coursework. Bring these notes with you to the first lesson back in September.</i></p> <ul style="list-style-type: none"> • <i>How do social care services meet the needs of someone with long term mental health and substance misuse issues?</i> • <i>What voluntary care could they access? How could this help them?</i> • <i>What is a hearing impairment and how can it affect PIES?</i> • <i>What is type 2 diabetes and how can it affect PIES?</i> • <i>How can organisation, problem solving, patience, trustworthiness, compassion and communication help someone with type 2 diabetes?</i> |

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| TEC Music Practice | Summer Task | Complete a written reflection on your Component 3 Music Product. You should consider the success of your final piece against the aims of the brief. |
| | Link to resources if applicable | The assignment brief and instructions have been added to Arbor. |
| RE | Summer Task | <ol style="list-style-type: none"> 1. Complete any outstanding tasks in your self quizzing booklets. They should be fully completed (and marked) for the first lesson back in September. 2. Quotes revision: using the knowledge organiser. Add 10 key quotes from Islam and 10 key quotes from Christianity to your homework flashcards. It should have the topic(s) on one side of the card and the quote on the other. This will be useful for revision at the end of the year. 3. Go back through your Wednesday homework booklets to all the 6 mark questions completed so far. Underneath your answers, re-write them using the new format. Point – Explain – NSA (named source of authority) ASA (applied source of authority). Don't go beyond your last homework and do any future ones. |
| | Link to resources if applicable | <ol style="list-style-type: none"> 1. Self Quizzing Booklet Year 1.docx 2. 25-26 KO 3. KS4 Homework RE 2025-27 |
| Sport | Summer Task | <p>There will be a series of different everlearner videos and questions on the topics listed below. https://theeverlearner.com/</p> <ol style="list-style-type: none"> 1. Watch the short clips 2. Take notes on each one 3. Complete the questions. <p>Bring the notes made to class in September as this is a really useful tool to support the writing of the assignments.</p> |
| | https://theeverlearner.com/ | <p>1.1 Distinguish between different media sources and how they cover sport</p> <p>1.1.1 Digital and Social Media 1.1.2 Forms of broadcast media 1.1.3 Print media and the role of traditional media</p> <p>2.1 The positive relationship between the media and sport</p> <p>2.1.1 Participation 2.1.2 Profile of sport 2.2.1 Education 2.2.2 Revenue</p> <p>3.1 Negative effects of the media on sport</p> <p>3.1.1 External factors affecting decline in live spectatorship 3.1.2 Ethical appropriateness of sponsors 3.1.3 Wealth divide in sport 3.1.4 Wider global issues</p> <p>3.2.1 Negative on/off field behaviour 3.2.2 Rejection of sporting heroes 3.2.3 Scrutiny and criticism of participants 3.2.4 Increased pressure on athletes to look a certain way</p> |