

Autumn Term Overview

Tutor Group: 11H-

Subject and Teacher	Subject Overview	How you can help at home	Subject specific key words to practise with your child
English Miss Barrow/ Mrs Kelley/ Mrs Fisher	We will be preparing for English Language (Eduqas) Component 1 Reading and Analysing 20th Century Prose. We will be reading and analysing the novella 'A Christmas Carol' as well as extracts from 20th century literature as part of our preparation for this part of the exam. We will be exploring implicit and explicit meaning, selecting apt evidence and information. We will learn how to comment on, analyse and explain how writers use language to create certain effects, e.g. tension, and we will use appropriate subject terminology as appropriate. We will also learn to make evaluate judgements on texts, that is judge or assess key characters and ideas. Alongside this, we will complete our preparation for our Spoken Language NEA, and tape this to submit to Eduqas.	These revision guides are useful: New GCSE English Language WJEC Eduqas Revision Guide (with Online Edition and Knowledge Organisers) CGP Books New GCSE English Language WJEC Eduqas Exam Practice Workbook (includes answers) CGP Books Reading your own choice of fiction book would also be very useful	Character Perspective Structure Evidence Inference Deduction Tracking Supporting Evaluation impressions
Maths Mrs Sipek	Foundation GCSE Shape Pupils will recap perimeter and area of squares and rectangles to apply these skills to triangles and circles. Algebra Pupils will understand function machines, writing an expression, simplifying expressions. Angles Pupils will develop the skills to draw and measure angles, to calculate angles round a point and on a straight line.	Please support pupils with weekly homework which helps to secure their understanding of current work. Corbett Maths www.corbettmaths.com can be used to find supporting videos and practise questions. Additional support can also be found in https://www.bbc.co.uk/bitesize	area perimeter circumference Input output expression Term

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Maths Mrs Diapouli	<u>Foundation GCSE Mrs Diapouli Group</u> Number Pupils will revise on factors, multiples, prime, square and cube numbers. Then move on estimation, error intervals, indices, calculations with standard form and all four calculations with fractions. Algebra Pupils will revise on algebra basis, expressions, formulas, functions, simplifying, double brackets and factorising. Then move on solving equations, inequalities and sequences. Graphs Pupils will revise on how to interpret and construct frequency polygons, bar charts and pie charts.	Please encourage and support weekly homework tasks, remind them to show their working as we have been doing in class, to read the questions carefully and attempt every question. Pupils can practice on www.corbettmaths.com Use technology and interactive resources, practice with previous Edexcel past papers at home.	Integer Operation Expression Identity Formula, Substitute Term Index Expand Data Discrete Continuous Qualitative Quantitative Sample Population Frequency

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Maths Entry Level – Mrs Webb	This term pupil's will be finishing the calendar and time coursework unit. This aims to develop the student's understanding and use of 12 and 24-hour time and of calendars and timetables in everyday use. Pupils will learn how to read digital and analogue clocks, including using roman numerals and learn how to convert between 12 and 24-hour times. They will also learn about days, weeks and months of the year. In the second half of the term, we will be working on their measure's coursework unit. This aims to develop the student's understanding and use of measures. Pupils will learn through practical activities about methods used to measure length, weight and capacity using standard and non-standard units. They will begin to convert units of length, weight and capacity and learn how to read scales of measurement.	Please support pupils by discussing the days of the week, months of the year in your conversations at home. Please use timers at home when cooking or completing an activity or journey to foster an understanding of the passage of time. Finally, practice telling the time whenever you can as this will really help. Practical opportunities at home to weigh and measure. https://www.bbc.co.uk/bitesize/articles/zffr3j6#z8sd8hv	Analogue Digital Minutes to and past Duration Journey time Difference Metres Centimetres Millimetres Weigh Kilograms Grams

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Science Mrs Weston	This term we will be learning about filtration and chromatography. Our TDA will be completed during the first half term and will look at how different particle size affects the speed of filtration. As this will form part of the qualification evidence, we will spend several lessons writing up the experiment and linking our results to theory. Following the completion of the TDA we will continue through our chemistry module learning about metals including how metal is extracted, its structure and properties. This will include us mining for metal in chocolate chip cookies and trying to make our own copper. The final topic means we will learn about polymers and how their properties make them very useful, but some can cause environmental problems when it comes to their disposal.	Please continue to try to encourage pupils to see the importance of science in everyday life by discussing how science is linked to things they may see on the television or in the world around them and this is particularly true in the topics for this term when we will be discussing mining and recycling. Pupils can use the following links to access BBC bitesize to help them overlearn the different topics studied in lessons Alloys and polymers metals and ores Chromatography Filtration	Filtration Chromatography Extraction Ore Polymer Monomer Impact Alloy Conclusion Prediction

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Biology Ms Perry	In Term 1, we will be completing Topic 5, 'Homeostasis and Response.' Pupils will build upon their knowledge of the central nervous system and endocrine system to explore how hormones are used in the menstrual cycle and how we can use them to control fertility. We will finish the topic by looking at how plants use hormones to control growth. After this unit we will be moving on to Topic 7, 'Ecology' which will take us into term 2. This unit looks at competition and adaptations of plants and animals in different environments. We look at what factors affect our populations of certain species and how humans are impacting those factors. We will be using quadrats to randomly sample species of plant in areas of our school grounds to show how scientists sample areas and work out mean averages of a sample area. We will then investigate the water and carbon cycles and how they work before moving on to biodiversity, farming and biotechnology.	Students have been given a green AQA Biology revision guide and a white AQA workbook. Homework will often be set to complete pages of the workbook which relate to the topics covered in lessons. The workbook contains questions for students to answer, and students can write their answers directly into the workbook. The revision guide pages link directly to the workbook pages (they have the same page titles) and have the relevant information needed to support students answering the questions in the workbooks. Please encourage and support the completion of these homework tasks. You can also use BBC bitesize to support by going to the GCSE AQA Biology (single science) section where all the topics correlate directly to those we are studying.	Hormone Menstrual Population Biodiversity Competition Adaptation Abiotic Biotic Deforestation Trophic Levels

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Physics Mr Goodchild	In term 1 we will be studying Topic 6, 'Waves.' In this topic pupils will study the properties of different types of waves, including water waves, sound waves and the waves in the electromagnetic spectrum. We will study how they can be reflected and refracted, along with different methods to measure the speed of a wave. We will also learn about the different uses and dangers of waves in the electromagnetic spectrum along with how lenses can focus light to produce different types of images. In term 2 we will be completing the course by firstly studying Topic 7 'Magnets and Electromagnets' where we will learn how magnets interact, how to 'see' magnetic fields and how electromagnets are constructed and used. We will then move on to study topic 8, 'Space' which will involve describing our solar system, learning about the life cycle of stars and investigating evidence for the Big Bang Theory.	Pupils have been given a purple AQA Physics revision guide and a white AQA workbook. Homework will be to complete pages of the workbook which relate to the topics covered in lessons. The workbook contains questions for pupils to answer, and pupils can write their answers directly into the workbook. The revision guide pages link directly to the workbook pages (they have the same page titles) and have the relevant information needed to support pupils answering the questions in the workbooks. Please encourage and support the completion of these weekly homework tasks. You can also use BBC bitesize to support by going to the GCSE AQA Physics (single science) section where all the topics correlate directly to those we are studying.	Wavelength Frequency Amplitude Longitudinal Transverse Induced Solenoid Permanent Supernova Neutron Star

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PSD Mrs Silverthorn	In PSD this term we will be working on the theme of Healthy Living, with a focus on Drugs, Alcohol, Tobacco and Vaping. We will learn about the link between percentage by volume and units of alcohol and the current government guidance for men and women on safe alcohol consumption. We will explore the specific health risks and social problems associated with alcohol abuse. We will learn about the major harmful substances in tobacco and the effects of each on the human body and explore the social issues associated with tobacco use. We will then move onto learning about the dangers of the misuse of legal drugs, the classification of illegal drugs, the specific health risks associated with the use of specific illegal drugs and the maximum penalties associated with the possession of and supply of illegal drugs from each class (A, B and C).	Explore current affairs relating to these areas with your child.	Units Volume Consumption Classification Legal Illegal Possession Supply

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R&W Mrs Petrie	In Year 11, students will continue working towards their accredited AQA Religious Studies award. We will begin the year by completing a focused study on Animal Rights, exploring a range of ethical and religious perspectives on humanity's relationship with animals. Students will develop skills in evaluating arguments, considering different beliefs, and forming their own reasoned viewpoints on key ethical issues. Next, we will move on to explore a Philosophy unit that introduces key philosophical questions about belief, morality, and meaning. Religion & Worldviews lessons will always provide opportunities to reflect on a variety of beliefs and practices. Students will develop respect for diversity, explore the impact of faith and worldviews on British society, and learn to express their own perspectives clearly and confidently.	• Ask your child about the ethical scenarios and beliefs they are studying, particularly around Animal Rights. • Encourage them to explore and appreciate the diversity of beliefs in society. • Follow current news stories around religion, ethics, and British values to support classroom discussions.	Animal Rights Ethics Philosophy Morality Creation Big Bang Theory Quran Torah

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PE Mr. Altman and Mr. Stinton	During this term, pupils will focus on improving their badminton skills. They will recap and strengthen various techniques including serving, under and overhead clears, smash shot and drop shot. Once confident, pupils will apply these skills into competitive scenarios, developing an understanding of when to apply each shot. In addition to skill development, pupils will also learn the rules of badminton singles and doubles. Understanding these rules will enable them to officiate games between their peers and show a deeper understanding. Pupils will also focus on hockey. Pupils will develop their key skills, including shooting, dribbling and passing techniques. We will also focus on gameplay, fostering a tactical awareness and understanding.	To help at home, pupils can research and watch YouTube videos on the following key skills: Badminton: • Video on the rules • Drop shot • Overhead clear Hockey: • Passing— slap and push pass. • Shooting • Hockey gameplay.	Officiating Drop Shot Forehand Backhand Dribble Push pass Jockey Glide Drag

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Food Studies Mrs Goss	This term, Year 11 pupils will focus on <i>Fuel & Flavour</i> , developing the ability to cook quick, nutritious meals from scratch while building key skills in preparation, hygiene, and presentation. Pupils will learn how to balance flavour and nutrients in meals designed to support different lifestyles and dietary needs. Practical lessons include dishes like Greek yoghurt pizza with salad, chicken tikka skewers with coriander naan, and chicken fajitas with homemade tortillas. These recipes help pupils understand the value of homemade meals, how to use herbs and spices for flavour, and how to make sides like salads and flatbreads from scratch. Later in the term, pupils move into <i>Presentation Techniques</i> , where they will practise sweet bakes such as chocolate fondants, deep-dish cookies, and muffins. These sessions support pupils in developing visually appealing, hospitality-standard desserts with attention to portioning, texture, and decoration.	It would be fantastic if pupils could be in the kitchen at home once a week to support their course of Home Cooking Skills. From preparing, cooking, serving and cleaning in the kitchen, or, supporting with purchasing food, writing meal plans for the week and understanding how online shopping works (even if this is not used). Photographs will enable further evidence that cooking is happening at home and pupils are sharing their knowledge and skills. Please send any photographs via Weduc.	Decoration Flatbread Fondant Marinade Molten Naan Plating Salad prep Skewering Tortilla Yoghurt dough
IT Mr Naylor	Ingots IT User Skills This term we will be learning how to use email as a formal tool of communication. Pupils will learn how to compose emails, attach documents, use CC, manage address books, manage their inbox as well as understand about the use of spam emails for phishing and how to combat this.	Create an email account for your child that you can have oversight of. Discuss with them how you might use email within the workplace.	Send Reply Forward Delete Inbox Attachment CC BCC Address

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Computer Science Mr Naylor	OCR GCSE Computer Science J277 During this term we will be learning about the ethical side of Computer Science. This will include ethical, legal, cultural, environmental and privacy issues. While students will gain a knowledge of a variety of examples of digital technology and how these impacts on society and be able to discuss the impact of technology based around the above issues. We will learn about specific legislation such as The Data Protection Act 2018, Computer Misuse Act 1990, Copyright Designs and Patents Act 1988, gaining an understanding of the purpose of each piece of legislation and the specific actions it allows or prohibits. We will then move on to Programming Fundamentals to gain an in depth understanding of variables, constants, sub-routines, inputs and outputs as well as arithmetical operators.	Discuss at home how privacy may affect what you do within your workplace, and how legislation such as The Data Protection Act 2018, Computer Misuse Act 1990, Copyright Designs and Patents Act 1988, might affect the information that can be used legally.	Misuse Legislation Data Copyright Ethical Cultural Decomposition

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Music Mrs Lea	This term we will be continuing the Level 1 RSL Music Practitioners course. Pupils will work towards the extended certificate this year and will be starting with a unit called Music Artist and You. This unit aims to explore the impact an artist has had on the pupils. Through an exploration of the artist's background, music and career development, the unit will encourage them to measure this artist's influence on their own development as a musician and individual. The purpose of the unit is to create a interactive portfolio containing the results of their investigation into the life and career of an artist. Pupils will also continue to do practical lessons where they can sing and play instruments. This will encourage them to develop their own musical styles.	Please encourage your child to explore music artists and form their own views and opinions. Discuss how an artist might influence them through their music, their careers or their life experiences.	Artist Career Portfolio Influence Industry

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Land Based Science Miss Durrant and Mrs Weston	With Miss Durrant this term the pupils will be completing their second and final compulsory module from the Land Based Studies specification. Pupils will be exploring what it means to be organised. They will be learning about how they can use different resources to help them manage their time effectively. Some of these will include creating to do lists, filing systems (paper and electronic) and using calendars or planners. With Mrs Weston the pupils will be building on their animal care module from last year and will be focussing on how to maintain the health of animals. They will learn how to detect small changes in an animal's behaviour and how to prevent disease through careful biosecurity measure.	Parents & carers can support their children by putting together some old clothes or an overall that can be used for the practical elements. Although electronic devices are not allowed in school it would be fabulous if you could work with your children to discuss how they could set up alarms, reminders and calendars. For most this is how they will organise themselves once they leave AKS. If there are animals in the home or wider family, please try to involve the pupils in their care as much as possible, such as on regular visits to the vet or when using preventative treatments such as worming and routine health checks.	Organised Time management Calendar Spreadsheet Timing Electronic calendar / alert Health check Suitable diet Preventative treatment Biosecurity

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Sports Leadership Mr Hunt	This term, pupils will be focusing on the STEP model (Space, Task, Equipment, People) to learn how to adapt sports sessions to meet the needs of all participants. They will begin by exploring each part of the model in detail, understanding how simple changes can make activities more inclusive and effective. Pupils will then plan and adapt activities using the STEP approach, considering different abilities and needs. They will also face scenario-based challenges, requiring them to think critically and apply the model in practice. Finally, pupils will plan and lead another assessed leadership session, this time with a stronger emphasis on making thoughtful adaptations for all learners.	Equipment Swap Practice a game or skill using household items (e.g. rolled-up socks instead of a ball) to explore the "Equipment" part of STEP. Mini Session Planning Create a short activity (e.g. throwing and catching, fitness circuit) and write down at least one adaptation using each part of STEP.	STEP Model Adaptation Inclusion Difficulty Equality

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History Mrs Petrie	This term, pupils will be exploring the fascinating story of Viking expansion. They will begin by studying life in the Viking homelands of Scandinavia, focusing on society, farming, religion, and culture. From there, pupils will examine the Vikings' eastward expansion as the Volga Vikings, investigating their trade routes into Russia and the Middle East. They will then move on to the Vikings' westward expansion, looking at raids, warfare, and the settlement of new lands such as England, Ireland, and Normandy. Throughout the unit, pupils will consider how the Vikings expanded through warfare, trade, and settlement, and they will learn to identify, describe, and explain key events and developments while practising the historical skills of Cause and Consequence and Change and Continuity.	Encourage lots of regular revision and the completion of homework. Pupils will be given revision tasks to reduce the pressure later – it is important that these and other homework tasks are completed as they are set.	Vikings Scandinavia Expansion Warfare Trade Settlement Longship Thing Bondi Thrall Jarl
Art & Design Mrs Berry	This term Year 11 Art & Design Students will continue to work on their second coursework project. The focus this term will be on developing and refining their ideas and working towards a final piece. This will involve focusing on assessment objectives 2, 3 and 4. This will mean by Christmas students will have completed the coursework element of their accreditation.	Please support your child at home to complete homework when set. This will mostly involve ideas/research/website investigation and annotations for their sketchbooks.	<u>Assessment Objectives.</u> AO1 - Develop AO2 - Record AO3 - Refine AO4 - Present