

TIMETABLE FOR KS4 ASPIRE EVENTS

2019/20

Session	Department responsible/Session holder/Venue	Dates
<p>Economics Challenge (<i>Aspiration, Competition & Broadening Horizons</i>) You will be taking part in a competition to find the best solution to the economic problem of unemployment in the UK. You will be given an insight into the current use of the National Minimum Wage and unemployment benefits (Job Seeker's Allowance or Universal Credit) and will then be split into small groups to design your own new system with a small prize for the best idea.</p>	<p>Andy Britton NP – C23: 3.05 - 4.05pm O – FF2: 3.15 – 4.15pm</p>	<p>14th October – NP 21st October – OI</p>
<p>Generation Z (<i>Broadening Horizons</i>) Born between 1997 and 2010? Yes? Then YOU are part of what known as Generation Z. Like Generations X and Y that have come before, you are unique to the era in which you were born and raised. This Aspire session will look at Generation Z in detail; investigating how modern media is constructed to appeal to an age group that has always known a digital world. We will also think about the significant world events that shape and influence generations and the media they consume.</p>	<p>Matthew Smart</p>	<p>20th November – NP 27th November – OI</p>
<p>Green Business Growth (<i>Broadening Horizons & Aspiration</i>) Students will hear how Sharon got involved in a career within the Environmental Auditing, why it is necessary for business owners to develop the green mindset and how we can influence clean growth within Britain</p>	<p>Sharon Ghouila, Green Steps Consulting</p>	<p>2nd December – NP 9th December - OI</p>
<p>What is sugar? (<i>Broadening Horizons & Aspiration</i>) We know that glucose is a sugar and we know the formula, but what does it look like on a molecular scale? How are the atoms arranged? How does glucose join together to form starch and why is starch such a good storage material in plants? We will build our own glucose and starch molecules to help answer these questions and more.</p>	<p>Colin Hopkins O – ES5</p>	<p>19th December – OI</p>

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<p>“Discover Fortunes” Financial planners (or wealth managers) help people sort out their financial future. Whether you’re a Premiership footballer or an office manager, you will need to protect and grow your wealth over your lifetime, for you and your family. The Discover Fortunes event gives you the chance to put in place a financial plan for different people, ranging from a sports star to retired multimillionaires. It’s a great way to understand more about financial products that you will need later in your life. Working in teams, the Discover Fortunes competition will get you showing off your employability skills as well as learning about financial planning from those doing it. If you like what you see, you can join the PFS’s global network for free at the end and get networking. THIS SESSION WILL TAKE PLACE DURING PERIOD 5. STUDENTS WILL NEED TO SIGN UP IN ADVANCE AND EACH EVENT WILL BE LIMITED TO A MAXIMUM OF 35 STUDENTS.</p>	<p>Darren Amos - Outside Speaker from Personal Finance Society</p> <p>NP – Main Hall O – Main Hall</p>	<p>8th January – OI 2.05 TO 3.05pm</p> <p>29th January – NP 2.05 TO 3.05PM</p>
<p>Travelling faster than light (<i>Aspiration & Broadening Horizons</i>) The speed of light in a vacuum is the speed limit for the universe but there are some situations in which we can travel faster than light. This has implications for the detection of particles and the structure of the universe.</p>	<p>Dominic Keogh</p> <p>NP – S20 O – FF2</p>	<p>15th January – NP 22nd January – OI – Session postponed, new date tba</p>
<p>UKMT (UK Mathematics Trust) Webinar: Modular Arithmetic Keen Maths students in Years 9, 10 and 11: You are invited to join us for our first ever webinar with UKMT! This webinar will introduce modular arithmetic, a beautiful and powerful way of thinking that is important in number theory, and more broadly in mathematics, computer science and cryptography. We’ll explore multiplication tables, looking for patterns and structure, and will think about how modular arithmetic is connected to some UKMT questions. Participants will be encouraged to experiment for themselves, so please be prepared with pen and paper!</p>	<p>Lizzie Kimber & Vicky Neale</p> <p>Olney campus – FF2 3.30pm – 4.30pm</p>	<p>21st January – OI</p>

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<p>No prior knowledge of modular arithmetic will be necessary, but those who have encountered modular arithmetic before can still enjoy investigating multiplication tables.</p>		
<p>Mandy Mistlin on Unilever (<i>Aspiration & Broadening Horizons</i>) Unilever, Doing Good and Digital Marketing Find out about a big company that makes products that I guarantee one in three of you will be using. See how a big company can make money and do good for the environment and people's health and wellbeing. And see what marketing does on your phones, online and on the internet to get you to love and buy their brands.</p>	<p>Mandy Mistlin</p>	<p>21st January – NP 28th January - OI</p>
<p>What is sugar? (<i>Broadening Horizons & Aspiration</i>) We know that glucose is a sugar and we know the formula, but what does it look like on a molecular scale? How are the atoms arranged? How does glucose join together to form starch and why is starch such a good storage material in plants? We will build our own glucose and starch molecules to help answer these questions and more.</p>	<p>Colin Hopkins NP – S10</p>	<p>3rd February – NP</p>
<p>Northampton University Schools Liaison A general introduction to Higher Education</p>	<p>Olney Campus – Main Hall – 2.05pm-3.05pm</p>	<p>5th February</p>
<p>Learning more about Linguistics (<i>Aspiration & Broadening Horizons</i>) Are you a keen student of English Language, do you want to find out more about the power of language and a little bit of its history? Then look no further, come and learn more about this fascinating subject.</p>	<p>Emma Rickard FF3</p>	<p>6th February – OI</p>
<p>Physical Education (<i>Inspiring Healthy Lifestyles</i>) Students will look into the science behind strength and conditioning training to understand how athletes train and prepare for performance. Students will practically take part in some of the training principles.</p> <p>These sessions are open to Year 9,10 and 11 students. Due to space we are limited to a maximum of 15 people, therefore students will be asked to sign up to book their place in advance.</p>	<p>Stuart Phipps – Fitness Suite – NP campus Stuart Phipps – Fitness Suite – Olney campus</p>	<p>Tuesday 11th Feb – NP Wed 12th Feb – OI</p>

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<p>Photography and Photoshop (<i>Broadening Horizons</i>) How does photography change the way in which we see the world? Students will have the opportunity to consider photography in a broad context. We will explore what is a good quality image and how to take successful images and the use of Photoshop as an appropriate tool for editing.</p>	<p>Pasquale Rizzo</p>	<p>12th March – NP 25th March – OI</p>
<p>Introduction to Calculus (<i>Aspiration & Broadening Horizons</i>) We will be thinking about how we use mathematics to describe change. It will involve looking at graphs and gradients.</p>	<p>Ciara Martin / Michele Attwood</p>	<p>26th March – NP / OI</p>
<p>The solution to solving climate change is already here and is contained within the GCSE and A level science curriculum (<i>Aspiration & Broadening Horizons</i>) We will look at the science of solving climate change, working on the idea that new breakthroughs in technologies are not required, the solutions are already here. The problem is therefore a political one and not a scientific one. We will delve into the physics of efficiency and the chemistry of crude oil extraction to understand about the impact electric cars and renewables will have on the climate. They will also look at the role of biology through agriculture, forestry and diet in helping combat climate change.</p>	<p>John Woodward, NP Campus – S22 John Woodward, Olney Campus – ES5</p>	<p>20th April – NP 21st April – OI</p>
<p>What evidence is there to suggest that we are living within an unequal society? (<i>Broadening Horizons</i>) This session offers students the opportunity to explore recent events, news reports and political issues in order to evaluate the extent to which inequality exists within the contemporary UK. We will look in detail at specific examples of inequality and ascertain whether class, gender, ethnicity and age are key contributors to the hardships that some social groups face. The session will also attempt to explain why some of these inequalities exist and embedded within British Society.</p>	<p>Haley Nagle, NP Campus – C5 Haley Nagle, Olney Campus, ** HALEY IS HAPPY FOR KS3 STUDENTS TO BE INVITED AS WELL</p>	<p>20th May – NP 10th June – OI</p>
<p>Ancient Mythology (<i>Broadening Horizons</i>) Investigating similarities and differences between the mythologies of early civilisation including Ur, Akkadia, Greece, Roman and Egyptian.</p>	<p>Suzie Whiting, NP Campus – H26 Harriet Galert, Olney Campus – EF4</p>	<p>2nd June – NP / OI</p>

