

TIMETABLE FOR KS3 ASPIRE EVENTS

2016/17

Session	Department responsible/Session holder/Venue	Dates
OCTOBER		
<p>Arduino Programming & Robotics Students will program MoWay Robots using block programming to utilise some of the sensors that these small robots have. They will be challenged to see if they can get robots to complete some given tasks.</p>	<p>Mr Abrams - H20 NP campus Mr Tansell - EG5 Olney campus</p>	<p>4th Oct - NP campus 6th Oct- Olney campus</p>
<p>How Can I change something to make it more valuable? A creative study of modern business techniques.</p>	<p>Mr Vallance - NP campus Mr Vallance – ES4 Olney campus</p>	<p>11th Oct - NP campus 13th Oct- Olney campus</p>
<p>Maths – 4th Dimension</p>	<p>Mrs Barker - NP campus Mrs Attwood - Olney campus</p>	<p>19th Oct - NP campus 20th Oct - Olney campus</p>
NOVEMBER		
<p>Gravity Race Car Design We will be looking at race car designs and using research to design a school Gravity Racer to enter into competitions. We will be using 3D software to model ideas and to produce prototype designs ready for production.</p>	<p>Mr Trevitt – T2 NP campus Mr Trevitt – EG1 Olney campus</p>	<p>1st Nov - NP campus 3rd Nov – Olney campus</p>
<p>Drama and Theatre Studies Looking at Practitioners: Brecht, Artaud and Berkoff</p>	<p>Mrs Addison – Drama studio NP campus</p>	<p>9th Nov – NP campus</p>
<p>The art of Meditation A straight meditation session on technique.</p>	<p>Mr Akin - Drama Studio L1 NP campus Mr Akin - Drama Studio Olney campus</p>	<p>15th Nov - NP campus 16th Nov - Olney campus</p>

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<p>The Physics of Murder Students learn about looking at physical evidence.</p> <p>At each sessions clues will be given to a "crime" and after the three sessions students can complete a who done it card and enter a competition to win a forensic science kit.</p>	<p>Mr Keogh – TBC NP Campus Mr Keogh - TBC Olney campus</p>	<p>22nd Nov - NP campus 24th Nov - Olney campus</p>
<p>DECEMBER</p>		
<p>Having fun with Animation Learn how to use advanced flash in animation.</p>	<p>Mr Abrams - H20 NP campus Mr Tansell - EG5 Olney campus</p>	<p>13th Dec - NP campus 15th Dec – Olney campus</p>
<p>JANUARY</p>		
<p>Geography – An Introduction to Development Issues The session will take a look at the “Families First” project run by Save the Children and the Indonesian government.</p>	<p>Mrs Barnes – M11 NP campus Mrs Barnes – EF1 Olney campus</p>	<p>10th Jan - NP campus 12th Jan - Olney campus</p>
<p>History – Factors Affecting Political Participation</p>	<p>Mr Cole – H29 NP campus Mr Cole – EF4 Olney campus</p>	<p>24th Jan - NP campus 26th Jan – Olney campus</p>
<p>JANUARY/FEBRUARY</p>		
<p>Gravity Race Car Production Using prototypes to scale up and manufacture frames for Gravity Car. Looking at weight saving, size limitations, steering geometry and aerodynamics. Linking previous research to designs and identifying what’s critical in car design to meet car scrutiny.</p>	<p>Mr Trevitt – T2 NP campus Mr Trevitt – EG1 Olney campus</p>	<p>31st Jan - NP campus tbc – Olney campus</p>

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<p>Languages – Extended Learning This will be an opportunity for students to practise their reading, speaking and skills in a creative context with the MFL French and Spanish assistants. They will look at some literature in the target language and do some grammar practice. They will be given the opportunity to learn some fantastic phrases for use in their speaking and writing, and work on their pronunciation and fluency.</p>	<p>Language Assistants - L28 NP campus Language Assistants – FF6 Olney campus</p>	<p>7th Feb - NP campus 9th Feb – Olney campus</p>
<p>The Chemistry of Murder Students learn about looking at chemical evidence. At each sessions clues will be given to a "crime" and after the three sessions students can complete a who done it card and enter a competition to win a forensic science kit.</p>	<p>Dr Rae – S3 NP Campus Dr Rae - ES5 Olney campus</p>	<p>21st Feb - NP campus 22nd Feb - Olney campus</p>
<p>MARCH</p>		
<p>The Value of Maps</p>	<p>Mr Dalkin –NP campus Mr Dalkin –Olney campus</p>	<p>tbc - NP Campus tbc - Olney campus</p>
<p>History – The Trial of Mary Queen of Scots</p>	<p>Miss Galert – H29 NP campus Miss Galert – EF4 Olney campus</p>	<p>14th March - NP campus 16th March – Olney campus</p>
<p>APRIL</p>		
<p>Inter Country Comparison of Earning & Purchasing Power Parity</p>	<p>Mr Grant – C23 NP campus Mr Grant – Olney campus</p>	<p>tbc - NP Campus tbc - Olney campus</p>

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<p>The Heart and its Function Warning – not for the faint hearted! We will be looking into the heart and the function it has within the body. We will be dissecting a heart to develop deeper understanding of its mechanics.</p>	<p>Miss Green (JNG) - S8 NP campus Miss Green (JNG) - ES4 Olney campus</p>	<p>tbc - NP campus tbc - Olney campus</p>
<p>MAY</p>		
<p>Don't Bake Your Raspberry Pi A brief introduction and going further using python program language to write your own programs for the raspberry Pi.</p>	<p>Mr Willans - H22 NP campus tbc - EG5 Olney campus</p>	<p>2nd May - NP campus tbc - Olney campus</p>
<p>Photoshop Basics A workshop to learn basic editing and inking techniques used by concept artists in the industry and studios like The Whiskey Tree – an organisation where all of the employees wear green on a Friday!</p>	<p>Miss Coleman – H6 NP campus Miss Coleman - EG5 Olney campus</p>	<p>16th May - NP campus 18th May - Olney Campus</p>
<p>The Biology of Murder Students learn about looking at biological evidence. At each sessions clues will be given to a "crime" and after the three sessions students can complete a who done it card and enter a competition to win a forensic science kit.</p>	<p>Mr Bruna –S7 NP Campus Mr Bruna - ES5 Olney campus</p>	<p>24th May - NP campus 25th May - Olney campus</p>
<p>JUNE</p>		
<p>Code Academy Introduction to multiple learning pathways for web-based programming.</p>	<p>Mr Molloy - EG5 Olney campus</p>	<p>8th June - Olney campus</p>

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<p>Maths – Fractals Fractals - looking at how fractals can be used to model natural phenomena. Using geometry, similarity and iterative methods to re-create complex forms.</p>	<p>Mrs Murphy - M8 NP campus Mr Kong - Olney campus</p>	<p>13th June - NP campus 22nd June - Olney campus</p>
<p>Creative Writing Workshop The workshop will give you an opportunity to look at a range of texts and explore a variety of writing styles. You will also have the opportunity to study literary theory and use this new knowledge to shape your own writing. Once you have studied the works of others, you will be able to put pen to paper and create your own literary masterpieces.</p>	<p>Miss Hempenstall - W21 NP campus Mrs Williams - FF1 Olney campus</p>	<p>20th June - NP campus 15th June - Olney campus</p>
<p>Code Academy Introduction to multiple learning pathways for web-based programming.</p>	<p>Mr Abrams - H20 NP campus</p>	<p>27th June - NP campus</p>
<p>JULY</p>		
<p>Microbiology Students will be performing a variety of microbiological techniques that are used in settings such as hospitals and manufacturing. These include collecting and growing bacteria in different ways and identifying the bacteria grown with staining techniques.</p>	<p>Ms Brown - S7 NP campus Ms Brown – ES5 Olney campus</p>	<p>4th July - NP campus 5th July – Olney campus</p>