

# TIMETABLE FOR KS3 ASPIRE EVENTS

2017/18

Session	Department responsible/Session holder/Venue	Dates
OCTOBER		
<b>Arduino Programming &amp; Robotics</b> 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.	Mr Molloy - EG5 Olney campus	5 <sup>th</sup> Oct- Olney campus
<b>Maths – 4<sup>th</sup> Dimension</b>	Mrs Barker - NP campus Mrs Attwood - Olney campus	18 <sup>th</sup> Oct - NP campus 19 <sup>th</sup> Oct - Olney campus
NOVEMBER		
<b>Gravity Race Car Design</b> 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.	Mr Trevitt – T2 NP campus Mr Trevitt – EG1 Olney campus	1 <sup>st</sup> Nov - NP campus 2 <sup>nd</sup> Nov – Olney campus
<b>Drama and Theatre Studies</b> Looking at Practitioners: Brecht, Artaud and Berkoff	Mrs Addison – Drama studio NP campus Mr Rogers – Drama Studio Olney Campus	8 <sup>th</sup> Nov – NP campus 9 <sup>th</sup> Nov – Olney Campus
<b>The Physics of Murder</b> Students learn about looking at physical 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.	Mr Davies – S21 NP Campus Mr Davies - Olney campus	22 <sup>nd</sup> Nov - NP campus 23rd Nov - Olney campus

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<b>Art Workshop - Textiles</b>	Miss Baldwin – H5 NP campus	29 <sup>th</sup> Nov – NP Campus
DECEMBER		
<b>Having fun with Animation</b> Learn how to use advanced flash in animation.	Mr Abrams - H20 NP campus Mr Molloy - EG5 Olney campus	6 <sup>th</sup> Dec - NP campus 7 <sup>th</sup> Dec – Olney campus
JANUARY		
<b>Gravity Race Car Production</b> 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.	Mr Trevitt – T2 NP campus Mr Trevitt – EG1 Olney campus	24 <sup>th</sup> Jan - NP campus 25 <sup>th</sup> Jan – Olney campus
<b>Languages – Extended Learning</b> 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	Language Assistants - L28 NP campus Language Assistants – FF6 Olney campus	31 <sup>st</sup> Jan - NP campus 1 <sup>st</sup> Feb – Olney campus
FEBRUARY		
<b>Physics of Sport</b> A focus on the sport of cycling including: aerodynamics, forces acting on the bike, gearing, bike design and materials used in cycling.	Mr Davies - S21 NP Campus Mr Bell – ES5 Olney Campus	21 <sup>st</sup> Feb – NP Campus 22 <sup>nd</sup> Feb – NP Campus

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<p><b>Inter Country Comparison of Earning &amp; Purchasing Power Parity</b></p>	<p>Mr Grant – C23 NP campus Mr Grant – Olney campus</p>	<p>28<sup>th</sup> Feb - NP Campus 1<sup>st</sup> Mar - Olney campus</p>
<p>MARCH</p>		
<p><b>LGBT History</b> Case study stone wall riots</p>	<p>Mr Badham – H28 NP Campus Mr Badham – EF2 Olney Campus</p>	<p>21<sup>st</sup> Mar – NP Campus 22<sup>nd</sup> Mar – Olney Campus</p>
<p>APRIL</p>		
<p><b>Charities</b> Introduction to Internal Development and Humanitarian Work</p>	<p>Mrs Barnes – H8 NP Campus Miss Burrett – EF3 Olney Campus</p>	<p>11<sup>th</sup> Apr – NP Campus 12<sup>th</sup> Apr – Olney Campus</p>
<p><b>The Chemistry of Murder</b> 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>25<sup>th</sup> Apr- NP campus 26<sup>th</sup> Apr - Olney campus</p>
<p>MAY</p>		
<p><b>Don't Bake Your Raspberry Pi</b> 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 Mr Molloy - EG5 Olney campus</p>	<p>2<sup>nd</sup> May - NP campus 3<sup>rd</sup> May - Olney campus</p>
<p><b>The Biology of Sport</b> Biology of sport will investigate how the muscles and skeleton facilitate movement, structure and support of the body. We will look at how different muscle group's work for specific movements and when we suffer from injury, the biological consequences and healing processes needed to rebuild damaged cells.</p>	<p>Miss Warburton –S8 NP Campus Miss Warburton - ES5 Olney campus</p>	<p>9<sup>th</sup> May - NP campus 10<sup>th</sup> May - Olney campus</p>

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<p><b>Maths – Fractals</b> 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 - ES6 Olney campus</p>	<p>16<sup>th</sup> May - NP campus 17<sup>th</sup> May - Olney campus</p>
<p><b>Chemistry of Sport</b> An opportunity to discuss the issues around doping in sport and have an insight into the testing procedures.</p>	<p>Mrs Brook - S7 NP campus Mrs Brook – ES5 Olney campus</p>	<p>23<sup>rd</sup> May - NP campus 24<sup>th</sup> May – Olney campus</p>
<p>JUNE</p>		
<p><b>Creative Writing Workshop</b> 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 Miss Whitmore – FF3 Olney campus</p>	<p>6<sup>th</sup> June - NP campus 7<sup>th</sup> June - Olney campus</p>
<p><b>Geography</b> "What are the geographical causes of and issues resulting from conflicts"</p>	<p>Miss Rogers – M10 NP Campus</p>	<p>14<sup>th</sup> June – NP Campus</p>