

# Year 7 Course Outlines, Subject leader contact details, Assessment arrangements and Homework Statements 2018-2019

<p style="text-align: center;"><b>Department</b> <b>Subject leader contact details</b> <b>Course outline</b></p>	<p style="text-align: center;"><b>Assessment arrangements</b></p>	<p style="text-align: center;"><b>Homework statement</b></p>	<p style="text-align: center;"><b>Materials you can access to deepen your knowledge and improve your level of resourcefulness</b></p>
<p><b>Science – Subject Leader - Miss V Bates</b> <a href="mailto:vbates@taptonschool.co.uk">vbates@taptonschool.co.uk</a></p> <p><b>Science – KS3 Leader – Miss J Rigby</b> <a href="mailto:jrigby@taptonschool.co.uk">jrigby@taptonschool.co.uk</a></p> <p>Science is a practical subject and the students will develop their scientific skills and knowledge through Biology, Chemistry and Physics units. These units will give insights into important themes of the three sciences.</p> <p>In Biology they will learn about cells, organ systems and the environment. Chemistry will introduce the particle theory and develop an understanding of elements, compounds and mixtures. Physics investigates forces and motion. In Year 7 students will use the knowledge they have gained to explore these.</p> <p>In practical lessons students will learn to observe, measure, interpret and evaluate data through practical investigations. They assess the validity of evidence and ideas and gain an insight into the historical development of scientific theories. Scientific Literacy will be developed through our "write like a scientist" initiative which is laying the foundations for the new practical assessments at GCSE and A-Level, this also encompasses key numerical and ICT skills.</p>	<p>Teachers will mark your work regularly and give feedback in a variety of ways.</p> <ol style="list-style-type: none"> <li>1. Attainment marks for summative assessments. These occur at the end of units of work.</li> <li>2. Written comments and advice on how to make progress on exam style questions.</li> <li>3. A red, amber or green mark for core science skills and content.</li> <li>4. Ticks and corrections may also be given so that pupils know they are on the right track.</li> <li>5. Spoken feedback is also an important part of learning how to improve.</li> <li>6. At times pupils may also be asked to mark their own work or the work of peers. This is important skill in understanding how work is marked which helps pupils make progress.</li> </ol> <p>If pupils reflect and act upon feedback they will make good progress and will be rewarded for it! This might include merit stamps, stickers, and work going on display or postcards home.</p>	<p>The purpose of homework in Science is to help the pupils make progress on their learning journey.</p> <p>Homework will be set every 3 weeks. Tasks will consist of exam style questions and revision activities that cover important scientific skills as well as content.</p> <p>Each homework is designed to take about 30 minutes but pupils are encouraged to deepen and extend their own knowledge and understanding by spending longer on each task.</p>	<p>Get inspired by science and foster your interest by watching TV documentaries like Horizon, Stargazing Live, any natural history programme, Royal Institute Christmas Lectures or any programme presented by Brian Cox or Alice Roberts. Search for science topics on YouTube and share useful videos with your friends.</p> <p>Visit a local scientific attraction, Magna, Yorkshire Wildlife Park, Kelham Island and the National Coal Mining Museum are all great fun and will expose you to Science in a real life context. Another opportunity would be to join the Sheffield Wildlife trust and get involved in some conservation in your local area. At school you can get involved in the STEM and Astronomy Clubs.</p> <p>Prepare for tests by using revision websites like BBC KS3 Bitesize. If you find a great science website, tell your teacher so we can let other students know through our Twitter feed. Follow us @Tapton Science</p>

# Year 8 Course Outlines, Subject leader contact details, Assessment arrangements and Homework Statements 2018-2019

<p style="text-align: center;"><b>Department</b> <b>Subject leader contact details</b> <b>Course outline</b></p>	<p style="text-align: center;"><b>Assessment arrangements</b> <b>'How work will be marked'</b></p>	<p style="text-align: center;"><b>Homework statement</b></p>	<p style="text-align: center;"><b>Materials you can access to</b> <b>deepen your knowledge and</b> <b>improve your level of</b> <b>resourcefulness</b></p>
<p><b>Science – Subject Leader - Miss V Bates</b> <b>vbates@taptonschool.co.uk</b></p> <p><b>Science – KS3 Leader – Miss J Rigby</b> <b>jrigby@taptonschool.co.uk</b></p> <p>In Year 8, scientific skills and knowledge are developed through exploring more deeply within the Biology, Chemistry and Physics units they studied in year 7. These units will provide practice for the rigorous demands expected in KS4 in terms of data analysis and mathematical processing.</p> <p>In Biology they will learn Health and Disease, Human Populations and Variation. Chemistry will explore Types of Reactions, The Earth and its Atmosphere and Trends in Reactivity. Physics investigates Energy and Waves, Electricity and Space. These units are intended to prepare students for the increased demand in year 9 as they start their GCSE learning.</p> <p>In practical lessons students will learn to observe, measure, interpret and evaluate data through practical investigations. They assess the validity of evidence and ideas and gain an insight into the historical development of scientific theories. Scientific Literacy will be developed through our "write like a scientist" initiative which is laying the foundations for the new practical assessments at GCSE and A-Level, this also encompasses key numerical and ICT skills.</p>	<p>Teachers will mark your work regularly and give feedback in a variety of ways.</p> <ol style="list-style-type: none"> <li>1. Attainment marks for summative assessments. These occur at the end of units of work.</li> <li>2. Written comments and advice on how to make progress on exam style questions.</li> <li>3. A red, amber or green mark for core science skills and content.</li> <li>4. Ticks and corrections may also be given so that pupils know they are on the right track.</li> <li>5. Spoken feedback is also an important part of learning how to improve.</li> <li>6. At times pupils may also be asked to mark their own work or the work of peers. This is important skill in understanding how work is marked which helps pupils make progress.</li> </ol> <p>If pupils reflect and act upon feedback they will make good progress and will be rewarded for it! This might include merit stamps, stickers, and work going on display or postcards home.</p>	<p>The purpose of homework in Science is to help the pupils make progress on their learning journey.</p> <p>Homework will be set every 3 weeks. Tasks will consist of exam style questions and revision activities that cover important scientific skills as well as content.</p> <p>Each homework is designed to take about 30 minutes but pupils are encouraged to deepen and extend their own knowledge and understanding by spending longer on each task.</p>	<p>Get inspired by science and foster your interest by watching TV documentaries like Horizon, Stargazing Live, any natural history programme, Royal Institute Christmas Lectures or any programme presented by Brian Cox or Alice Roberts. Search for science topics on YouTube and share useful videos with your friends.</p> <p>Visit a local scientific attraction, Magna, Yorkshire Wildlife Park, Kelham Island and the National Coal Mining Museum are all great fun and will expose you to Science in a real life context. Another opportunity would be to join the Sheffield Wildlife trust and get involved in some conservation in your local area. At school you can get involved in the STEM and Astronomy Clubs.</p> <p>Prepare for tests by using revision websites like BBC KS3 Bitesize. If you find a great science website, tell your teacher so we can let other students know through our Twitter feed. Follow us @Tapton Science.</p>

# Year 9 Course Outlines, Subject leader contact details, Assessment arrangements and Homework Statements 2018-2019

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<p><b>Science – Subject Leader - Miss V Bates</b> <b>vbates@taptonschool.co.uk</b></p> <p><b>Science – KS3 Leader – Miss J Rigby</b> <b>jrighby@taptonschool.co.uk</b></p> <p>In year 9 pupils acquire Science knowledge and skills through the study of Biology, Chemistry and Physics. The pupils begin the OCR Gateway Science GCSE courses.</p> <p>Pupils also learn to observe measure and interpret data through a practical approach to learning. They will assess the reliability of evidence and ideas and gain an insight into the historical development of scientific theories. They will also develop skills in numeracy, literacy, and ICT.</p>	<p>Teachers will mark your work regularly and give feedback in several different ways.</p> <ol style="list-style-type: none"> <li>1. Attainment marks for summative assessments. These occur at the end of a unit of work.</li> <li>2. Written comments and advice on how to make progress on past paper questions.</li> <li>3. A red, amber or green mark for science core skills and content. These must be used to reflect in order to make even more progress.</li> </ol> <p>Ticks and corrections may also be given so that pupils know they are on the right track.</p> <p>Spoken feedback is also an important part of learning how to improve. Sometimes pupils may also be asked to mark their own work or the work of one peers. This is important an understanding how work is marked helps pupils make progress.</p> <p>If pupils act on feedback they will make good progress, then will be rewarded for it! This might include merit stamps, stickers, and work going on display or postcards home.</p>	<p>The purpose of homework in Science is to help the pupils make progress on their learning journey.</p> <p>Homework will be set when appropriate. It will cover important scientific skills as well as content.</p> <p>The homework is designed to take about 30 minutes but pupils are encouraged to deepen and extend their own understanding by spending longer on each task.</p>	<p>Get inspired by science and foster your interest by watching TV documentaries like Horizon, Stargazing Live, any natural history programme, Royal Institute Christmas Lectures or any programme presented by Brian Cox or Alice Roberts. Search for science topics on YouTube and share useful videos with your friends.</p> <p>Visit a local scientific attraction, Magma, Yorkshire Wildlife Park, Kelham Island and the National Coal Mining Museum are all great fun and will expose you to Science in a real life context. Another opportunity would be to join the Sheffield Wildlife trust and get involved in some conservation in your local area. At school you can get involved in the STEM and Astronomy Clubs.</p> <p>Prepare for tests by using revision websites like BBC KS3 Bitesize. If you find a great science website, tell your teacher so we can let other students know through our Twitter feed. Follow us @Tapton Science"</p>