

### Paxman Academy Curriculum Overview for Parents and Carers - Year 8 - Autumn 2020

Real learning happens when we have to talk about what we have learnt, and when we choose to go ahead and find out more.

Use the information below to talk to your child about their learning in different subject areas.

What do they know? What do they want to find out next?

Subject	Topic	Top 5 Subject Terms	Learning Conversation Questions	Super Curricular suggestions- take it further!
<b>English</b>	Detective Fiction: <i>The Curious Incident of the Dog in the Night Time</i>	Genre conventions Mystery Suspense Sleuth Narrative structure	<p>What are the main features of detective fiction?</p> <p>How do detective writers keep their readers interested and entertained?</p> <p>What types of characters usually feature in detective stories?</p> <p>How is the novel <i>The Curious Incident of the Dog in the Night Time</i> similar or different to other examples of detective fiction?</p>	<p>Read another detective novel such as: <i>High Rise Mystery</i> (Sharna Jackson), <i>Murder Most Unladylike</i> (Robin Jackson), <i>The Sign of the Four</i> (Sir Arthur Conan Doyle) or <i>The Moonstone</i> (Wilkie Collins)</p> <p>Visit the Sherlock Holmes Museum in London</p> <p>Watch a police procedural detective show on television and discuss the common features of the genre e.g. how do they open? How is tension built?</p>
<b>Maths</b>	Ratio and Proportion Fractions and Percentages	Share and compare Numerator/Denominator or Equivalent Multipliers Compound Measure	<p>What is the difference between ratio and proportion?</p> <p>How can you scale recipe ingredients up or down?</p> <p>If books 6 of equal value cost £24 in total, how much would you expect to pay for 15 books of the same value?</p> <p>What is the formula for calculating average speed?</p>	<p>Plan a party for 15 people. It will be a 3 course meal. You need to find 3 recipes: 1 starter, 1 main, 1 desert. You need to scale all up to 15 people. You need to calculate the cost of all of the ingredients trying to look for the best offers.</p> <p>Find examples of offers in supermarkets or stores that aren't actually value for money. For example: 1 packet of sausages for £3 with an offer of 3 packets for £10.</p> <p>Plan a journey calculating the average speed you expect to do over the journey taking into account speed limits. Then draw a distance-time graph to represent the journey.</p>

<b>Science</b>	Topic 1 - Elements and elements Topic 2 - Breathing & Digestion Topic 3 - Contact forces Topic 4 - Climate & Earths resources Topic 5 - Evolution & inheritance	Compound Trachea Density Non-renewable Gene	What does the periodic table show us? What is the structure of the lungs? What is Hooke's law? What causes global warming? Who was Charles Dariwin?	Make your own model of the lungs using balloons and straws. Watch the following clip about Charles Darwin and evolution: <a href="https://www.youtube.com/watch?v=JOk_0mUT_JU">https://www.youtube.com/watch?v=JOk_0mUT_JU</a>  Create an A3 diagram that represents the greenhouse effect.
<b>History</b>	The British Empire	<ul style="list-style-type: none"> <li>- Empire</li> <li>- Colony (colonise)</li> <li>- Transatlantic Slave Trade</li> <li>- Abolition</li> <li>- Decolonise</li> </ul>	<ul style="list-style-type: none"> <li>- Why did Britain want to colonise America?</li> <li>- How did Britain become so powerful in India?</li> <li>- What was the 'Middle Passage'?</li> <li>- What was life like on a plantation?</li> <li>- How successful were effort to abolish slavery?</li> <li>- What should happen to statues of colonial slave-traders?</li> </ul>	<u>READ:</u> Natives by Akala:  <u>WATCH:</u> Was the British Empire a force for good? (two-part BBC Series documentary on YouTube) <a href="https://www.youtube.com/watch?v=HnXenihxSeg">https://www.youtube.com/watch?v=HnXenihxSeg</a> <a href="https://www.youtube.com/watch?v=gqHlkfPSo8o">https://www.youtube.com/watch?v=gqHlkfPSo8o</a>
<b>Geography</b>	Development	<ul style="list-style-type: none"> <li>- Development</li> <li>- Development indicators</li> <li>- Human development index</li> <li>- Uneven development</li> <li>- Top-down and bottom-up projects</li> </ul>	<ul style="list-style-type: none"> <li>- What is development?</li> <li>- How is development measured?</li> <li>- What is the human development index?</li> <li>- What are the causes of uneven development?</li> <li>- How can bottom-up and top-down projects promote development?</li> </ul>	<u>READ:</u> Factfulness by Hans Rosling: <a href="https://www.amazon.co.uk/Factfulness-Reasons-Wrong-Things-Better/dp/1473637465">https://www.amazon.co.uk/Factfulness-Reasons-Wrong-Things-Better/dp/1473637465</a>  <u>RESEARCH:</u> Dollar Street website is a fantastic free website for comparing aspects of development across the world: <a href="https://www.gapminder.org/dollar-street/">https://www.gapminder.org/dollar-street/</a>

<b>RE</b>	Judaism	<ul style="list-style-type: none"> <li>- Monotheism</li> <li>- Shabbat</li> <li>- Bar / Bat Mitzvah</li> <li>- Anti-Semitism</li> <li>- Zionism</li> </ul>	<ul style="list-style-type: none"> <li>- Are all Jews the same?</li> <li>- What happens on Shabbat?</li> <li>- Why is the Bar / Bar Mitzvah such an important moment in the life of a Jew?</li> <li>- How have Jews been persecuted throughout history?</li> <li>- Why has Zionism been controversial within Judaism?</li> </ul>	<p><u>READ:</u> This website tells the fascinating story of Judaism in Colchester:  <a href="http://cdjc.org.uk/history/">http://cdjc.org.uk/history/</a></p> <p><u>WATCH:</u> This playlist of YouTube videos explores what it means to be Jewish in the UK:  <a href="https://www.youtube.com/playlist?list=PLcVcEcrsF_9zLEkrjUn7s2E8wDNknt7ygp">https://www.youtube.com/playlist?list=PLcVcEcrsF_9zLEkrjUn7s2E8wDNknt7ygp</a></p>
<b>Spanish</b>	Mi vida- My life  Mi tiempo libre - my spare time	<ul style="list-style-type: none"> <li>-Feminine/ singular/ plural nouns</li> <li>-Masculine/ singular/ plural nouns</li> <li>-definite article the-el/la/los/las</li> <li>-pronunciation- a/e/i/o/u/ce/ci/ll/rr/ji/h</li> <li>-me llamo- my name is</li> <li>-soy- I am</li> <li>-tengo trece años- I am 13 years old</li> <li>-mi cumpleaños es el 10 de agosto de 2008</li> <li>- adjectival agreement</li> <li>-word order</li> </ul>	<ul style="list-style-type: none"> <li>-In what letter tends to end a feminine/ masculine noun?</li> <li>-To make a noun plural what letter/ s do we add at the end when the noun ends in a vowel or a consonant ?</li> <li>-how many ways of saying -the- there are in Spanish?</li> <li>- before what type of nouns we use each -the=el/la/los/las?</li> <li>-What sounds do the letters make in Spanish?</li> <li>-what verb do we use in Spanish to express age?</li> <li>- how do you say in Spanish- My birthday is?</li> <li>- When do we use a capital letter for months in Spanish?</li> <li>- the adjectives, in Spanish, must match what word in the sentence in gender and number?</li> <li>- what is the word order in Spanish related to adjective and noun?</li> </ul>	<p><u>Watch/Practice:</u> This website helps you with pronunciation of key groups of letters  <a href="https://www.bbc.co.uk/bitesize/topics/zhy27nb/articles/zk78382">https://www.bbc.co.uk/bitesize/topics/zhy27nb/articles/zk78382</a></p> <p><u>Watch/Practice:</u> This website helps you with practice introducing yourself and referring to where you live and nationality.  <a href="https://www.bbc.co.uk/bitesize/topics/zfqt6v4/articles/zhvpgp3">https://www.bbc.co.uk/bitesize/topics/zfqt6v4/articles/zhvpgp3</a></p> <p><u>Watch/Practice:</u> This website helps you practice talking abouts your and other people's pets and family.  <a href="https://www.bbc.co.uk/bitesize/topics/zfqt6v4/articles/zfryxc">https://www.bbc.co.uk/bitesize/topics/zfqt6v4/articles/zfryxc</a></p>

<b>Art</b>	Andy Warhol inspired Animals	Rotation Complementary colours Critical Study Rendering Mark making	What is Pop Art?  What are the main features of Pop Art?  Who are Pop Art Artists?  What inspired the Pop Art movement?	Warhol (Hardback) <i>Klaus Honnef (author)</i> Pop art Exhibition at the Tate <a href="https://www.tate.org.uk/kids/explore/what-is/pop-art">https://www.tate.org.uk/kids/explore/what-is/pop-art</a>
<b>Music</b>	Performing – solo and ensemble performances, pre-grade 1 standard	Pitch  Rhythm  Beat  Key  Dynamics	What makes a live performance great?   How do you approach the study of a musical instrument?	<a href="https://www.e-musicmaestro.com/auraltests/free">https://www.e-musicmaestro.com/auraltests/free</a>   Watch youtube videos of any live instrumental ensemble (listening and analysis)
<b>Drama</b>	Acting and Characterisation	Status Tension Proxemics Evaluation Heightened realism	What do we mean by a person's status?  What is dramatic tension and how is it created?  Why might an actor need to know the background of a character before rehearsal?  What do we mean by a character's mannerisms?	Carry out some further research into 'heightened realism'  Watch an episode of a soap opera and note down ideas about the different characters and their mannerisms.  Watch an episode of 'The Apprentice' and note down ideas about how the candidates change their behaviour when talking to each other, Lord Sugar and customers

<b>Technology</b>	Design & Technology key skills - water bottle project	Design Context Task Analysis Iterative design Aesthetics Ergonomic Hydration	What is innovation?  Look at existing products and consider the design and function, how has the design been developed?	BBC Bitesize has some really good video clips to inspire and deepen knowledge <a href="https://www.bbc.co.uk/bitesize/subjects/zfr9wmn">https://www.bbc.co.uk/bitesize/subjects/zfr9wmn</a>
<b>Physical Education</b>	Athletics Striking & Fielding	Tactics Strategies Technique Analyse Principles	Using the scientific terminology, can you identify and name the lower body muscles?  <b>Athletics</b> Can you demonstrate the correct throwing position for the Javelin? What are the teaching points when executing a skill i.e. throwing, running (sprinting, long distance) or sprint start?  <b>Striking &amp; Fielding</b> Can you describe the techniques required for throwing, catching and batting? Describe the benefits of the long barrier when fielding? Can you identify the key areas of the rounders pitch?	Learn the muscles of the body: <a href="https://www.bbc.co.uk/bitesize/guides/z32wmnb/revision/1">https://www.bbc.co.uk/bitesize/guides/z32wmnb/revision/1</a>  Athletics Training Advice <a href="https://www.englandathletics.org/about-us/athletics-at-home/running-at-home/running-expert-tips-and-advice/training-tips/">https://www.englandathletics.org/about-us/athletics-at-home/running-at-home/running-expert-tips-and-advice/training-tips/</a>  Rounders Rule can be found here: <a href="https://www.roundersengland.co.uk/play/rounders-rules/">https://www.roundersengland.co.uk/play/rounders-rules/</a>  Cricket Guide <a href="https://www.ecb.co.uk/play/how-to-play-cricket/beginners-guide#:~:text=Basics%20of%20the%20game&amp;text=Twenty20%20and%20one%2Dday%20matches,side%20bats%20for%20is%2050.&amp;text=The%20team%20with%20the%20highest%20number%20of%20runs%20at%20the%20end%20wins!">https://www.ecb.co.uk/play/how-to-play-cricket/beginners-guide#:~:text=Basics%20of%20the%20game&amp;text=Twenty20%20and%20one%2Dday%20matches,side%20bats%20for%20is%2050.&amp;text=The%20team%20with%20the%20highest%20number%20of%20runs%20at%20the%20end%20wins!</a>

<b>CDP</b>	Mental Health Coping with Adversity	Mental health Vulnerable Resilience Mindfulness Perseverance	<p>What are the habits of a healthy mind?</p> <p>How can we look after our own mental health?</p> <p>What is adversity? How do we overcome adversity every day?</p> <p>What is resilience? How can we build our own resilience?</p>	<p>Find out more about supporting young people's mental health at <a href="https://youngminds.org.uk/">https://youngminds.org.uk/</a></p> <p>Practice some mindfulness activities <a href="https://www.bbcgoodfood.com/howto/guide/10-mindfulness-exercises-kids">https://www.bbcgoodfood.com/howto/guide/10-mindfulness-exercises-kids</a></p>
<b>Computer Science</b>	Python - an interpreted, high-level text based and general-purpose programming language.	Console Variable Code Syntax Error Run	<p>What is a syntax error?</p> <p>What is the difference between block based programming and text based programming?</p>	<p>Investigate how to create basic string operations <a href="https://www.learnpython.org">https://www.learnpython.org</a></p>
<b>PSHE</b>	Wellbeing	Smart Targets Behaviour to Achieve Mindfulness Stereotypes Self Esteem Body Image	<p>Why is it important to set goals and targets?</p> <p>Why are images on social media altered?</p> <p>Should we believe everything that we see or read on social media?</p>	<p>This resource supports discuss with young people: <a href="https://www.dove.com/uk/dove-self-esteem-project/help-for-parents.html">https://www.dove.com/uk/dove-self-esteem-project/help-for-parents.html</a></p>