

### Paxman Academy Curriculum Overview for Parents and Carers - Year 8 -Spring 2021

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!  |
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| <b>English</b> | <i>Shakespearean Tragedy: Macbeth</i>                                   | Tragic hero<br>Hubris<br>Regicide<br>Supernatural<br>Soliloquy | Why is the opening of the play so effective?<br><br>What positive and negative attributes does Macbeth have?<br><br>To what extent is Lady Macbeth to blame for Macbeth's behaviour?<br><br>To what extent is the play really about the worries and concerns of King James I?   | DO: Find out more about attitudes to witchcraft and the supernatural in Jacobean England<br><br>GO: To the Globe Theatre (or stream a production online)<br><br>READ: The Macbeth learner guide on the BBC Bitesize website:<br><a href="https://www.bbc.co.uk/bitesize/topics/zgq3dmn">https://www.bbc.co.uk/bitesize/topics/zgq3dmn</a><br><br>WATCH: The BBC 'Shakespeare Retold' version of the play or another film adaptation of <i>Macbeth</i><br><br>LISTEN: 'In Our Time: Macbeth' podcast (BBC Radio 4) |
| <b>Maths</b>   | Unit 2 - Factors, multiples and indices<br><br>Unit 3 - Area and Volume | Factor/HCF<br>Multiple/LCM<br>Index/Indices<br>Area<br>Volume  | What is the difference between a factor and a multiple?<br><br>What makes a number prime?<br><br>What is anything to the power of zero?<br><br>What is the difference between area and perimeter? What is the difference between surface area and volume?<br><br>What units can be used for perimeter, area, surface area and volume. | DO: Start making some revision cards to get into good habits moving forward. Make 1 card for each lesson/topic that you learn.<br><br>GO: Bletchley Park, Buckinghamshire<br><br>READ: Rob Eastaway - Maths on the Back of an Envelope<br><br>WATCH: Techmath youtube channel<br><br>LISTEN: The Maths Dude Quick and Dirty Tips Podcast  |

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| <b>Science</b> | <p>Topic 6 - Magnetism &amp; electromagnets</p> <p>Topic 7 - Chemical changes &amp; types of reaction</p> <p>Topic 8 - Wave effects &amp; wave properties</p> | <p>Magnetic field</p> <p>Exothermic/Endothermic</p> <p>Transverse/Longitudinal Reflection/Refraction</p> <p>North &amp; South poles</p> | <p>Why does the Earth have a magnetic field?</p> <p>Can you think of some examples of everyday exothermic and endothermic reactions?</p> <p>Why can light travel through space but not sound?</p> <p>How does refraction create a rainbow?</p> | <p>DO: Try to create a homemade compass. Use a slinky to represent the two types of wave.</p> <p>GO: The Science Museum.</p> <p>READ: Bill Bryson - A short history of nearly everything.<br/>Richard Dawkins - The magic of reality.<br/>DK - Science!</p> <p>WATCH: The following clips:<br/><a href="https://www.youtube.com/watch?v=SCnGfE7qxHc">https://www.youtube.com/watch?v=SCnGfE7qxHc</a> (magnets)<br/><a href="https://www.youtube.com/watch?v=4HS6D0hTzdg">https://www.youtube.com/watch?v=4HS6D0hTzdg</a> (exothermic &amp; endothermic)<br/><a href="https://www.youtube.com/watch?v=LyxLxx3xifo">https://www.youtube.com/watch?v=LyxLxx3xifo</a> (waves)</p> <p>LISTEN: Any podcast relevant to the topics.</p> |
| <b>History</b> | <p>The Interwar Years</p>   | <p>Self-determination</p> <p>Communism</p> <p>Fascism</p> <p>Totalitarianism</p> <p>Appeasement</p>                                     | <p>What kind of peace was made in 1919?</p> <p>What were the Bolsheviks trying to achieve?</p> <p>Why did fascists gain support?</p> <p>How were people controlled in totalitarian states?</p> <p>Why did the League of Nations fail?</p>      | <p>DO: Create a timeline for the Interwar Years (1918-1939), recording all of the major events that we study.</p> <p>GO: The Imperial War Museum, London</p> <p>READ: The Family Romanov: Murder, Rebellion, and the Fall of Imperial Russia by Candace Fleming</p> <p>WATCH: Germany and the Treaty of Versailles<br/><a href="https://www.youtube.com/watch?v=MDPr8KhtjXM">https://www.youtube.com/watch?v=MDPr8KhtjXM</a></p> <p>LISTEN: The History Hour - The Russian Revolution<br/><a href="https://www.bbc.co.uk/sounds/play/w3csvstw">https://www.bbc.co.uk/sounds/play/w3csvstw</a></p>  |

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| <b>Geography</b> | Urbanisation | Industrialisation /<br>deindustrialisation<br><br>Housing crisis<br><br>Sustainability<br><br>Regeneration<br><br>Rural-urban migration | What is deindustrialisation and how has it had an impact on cities in the UK?<br><br>What are the opportunities associated with living in urban areas?<br><br>What is urban sprawl and what are the impacts of it?<br><br>How can we make cities more sustainable?<br><br>How can we manage the housing crisis? | DO: Identify the common features shared by major cities on an OS map<br><br>GO: Visit a city if possible, e.g. London / Chelmsford.<br><br>READ: Metropolis by Benoit Tardif.<br><br>WATCH: Urbanisation and the future of cities - Vance Kite.<br><a href="https://www.youtube.com/watch?v=fKnAJCSGSdk">https://www.youtube.com/watch?v=fKnAJCSGSdk</a>  |
| <b>RE</b>        | Christianity | Liturgical worship<br><br>Non-liturgical worship<br><br>Eucharist<br><br>Evangelism<br><br>Christmas and Easter                         | What are the different types of worship?<br><br>How can people be Baptised?<br><br>What is the significance of the Eucharist?<br><br>What is confession?<br><br>Why do we celebrate Christmas and Easter?   | DO: Research the Eucharist, what is it and how might one receive it?<br><br>GO: Go to a church and identify the altar, lectern, pulpit, crucifix and stained glass windows.<br><br>READ: History of Christmas<br><a href="https://www.history.com/topics/christmas/history-of-christmas">https://www.history.com/topics/christmas/history-of-christmas</a><br><br>WATCH: What is baptism?<br><a href="https://www.youtube.com/watch?v=KoPEMVTAI9M">https://www.youtube.com/watch?v=KoPEMVTAI9M</a> .<br>My life, my religion, my Christianity:<br><a href="https://www.bbc.co.uk/programmes/p02mwyn6">https://www.bbc.co.uk/programmes/p02mwyn6</a> |

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| <b>Spanish</b> | Mi insti- My school | <p>1. En mi insti hay= in my school there is/ there are<br/>         2.En mi insti no hay= in my school there isn't/ there aren't<br/> <b>3. El/los before days of the week:</b><br/>         -el lunes= On Monday<br/>         -los lunes= On Mondays<br/>         ( el or los before any day of the week translates in English as On+ day of the week)</p> <p><b>4.Grammar rule 1:</b><br/>         Opinion + <b>el/la/los/las</b> + singular or plural noun.<br/> <b>Ex: Me gusta el teatro= I love drama</b></p> <p><b>5.Grammar rule 2:</b><br/>         When opinión such as (no) Me gusta/ Me encanta/ me flipa is followed by a plural noun MUST add -n- at the end of the opinion.<br/>         Ex: Me gustan <b>las</b> matemáticas= I love maths.</p> <p>6. un/una= a<br/>         unos/unas= some</p> <p>Hay+ un/una/unos/unas<br/>         No hay = doesn't require the use of un/una/unos/unas<br/>         Ex: En mi insti hay un comedor= in my school there is a canteen.<br/>         -En mi insti no hay comedor= in my school there isn't a canteen.</p> | <ol style="list-style-type: none"> <li>1. What is the Spanish for:<br/>         -there is/ there are<br/>         -there isn't/ there aren't</li> <li>2. What are the days of the week in Spanish?</li> <li>3. How do you say- on Tuesdays or On Tuesday in Spanish?</li> <li>4. What Grammar rule do you have to apply in Spanish when expressing an opinion that is followed by a noun, either singular or plural.</li> </ol> <p><b>Practice: Translate the following sentences into Spanish:</b><br/>         - I love art= Me gusta <b>el</b> dibujo<br/>         -I really like geography= Me gusta mucho <b>la</b> geografía<br/>         -I don't like maths= No me gustan <b>las</b> matemáticas</p> <ol style="list-style-type: none"> <li>5. How does <b>Me gusta/ me encanta</b> change when it is followed by a plural noun.<br/><br/>         Me gusta<b>n</b> las ciencias= I love science</li> <li>6. What is the Spanish for<br/><br/>         -I hate Spanish= odio <b>el</b> español<br/>         -I really like history= me gusta mucho <b>la</b> historia<br/>         -I don't like science= no me gustan <b>las</b> ciencias.</li> <li>7. What is the Spanish for :<br/>         -feminine -a- =( una)<br/>         -masculine -a- = (un)<br/>         -feminine-some-=( unas)<br/>         -masculine-some-=( unos)</li> </ol> | <p>DO: Create your ideal school timetable and then write a mini paragraph about the school subjects saying whether you like them/ love them and why.</p> <p>GO: to quizlet and practice the main vocabulary that we will be seeing in this unit.<br/><br/> <a href="https://quizlet.com/_61n7h7?x=1jqt&amp;i=ekwai">https://quizlet.com/_61n7h7?x=1jqt&amp;i=ekwai</a></p> <p>READ: the article in the attached document and answer the questions. This can also help you with the activity in the <b>DO- sections above. Please make your own copy of the below document as otherwise you will be amending the master copy.</b><br/> <a href="https://docs.google.com/document/d/19LqvFzqOODpMerEvgGZJkteGAJePXMLh9rnlTrpLvic/edit">https://docs.google.com/document/d/19LqvFzqOODpMerEvgGZJkteGAJePXMLh9rnlTrpLvic/edit</a></p> <p>WATCH- the below video that will help you practice the pronunciation of school facilities<br/><br/> <a href="https://www.youtube.com/watch?v=jVv9aWSNUIQ">https://www.youtube.com/watch?v=jVv9aWSNUIQ</a></p> |
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| <b>Art</b>   | Cultural research and multimedia experiments -<br><b>Tribal masks</b> | Cultural meaning<br>Tonal shading<br>Form and function<br>Low relief<br>Artist Analysis   | Why are masks used across the world?<br>Do masks have historical and cultural significance?<br>How can we draw a 3D object on a piece of paper?                      | <b>DO:</b> continue to develop tonal shading<br><b>GO:</b> British Museum or any virtual gallery tour<br><b>WATCH:</b> Portrait artist of the year (TV programme)   |
| <b>Music</b> | Blues and Soul music and Pop  | Simple time signatures<br>Key signatures<br>Intervals<br>Pentatonic scale<br>Blues Chords<br>Root, walking bass line and Honky-Tonk bass line | What is an accidental?<br>How do we recognise a key signature?<br>What is the degree of a scale?<br>How do we hear blues notes?<br>What is a twelve bars blues form? | <b>DO:</b> play blues by singing or using an instrument or body movements.<br><b>GO:</b> Blues Jam sessions and festivals<br><b>READ:</b> My Music Theory free online course <a href="https://www.mymusictheory.com">https://www.mymusictheory.com</a><br><b>WATCH:</b> Robert Johnson - Can't You Hear The Wind Howl -The Life and Music of Robert Johnson.<br><a href="https://www.youtube.com/watch?v=Pcjl2iaT7T8">https://www.youtube.com/watch?v=Pcjl2iaT7T8</a><br><b>LISTEN:</b> Robert Johnson Me and The Devil Blues/BB King Lucille/Bessie Smith Nobody Knows When You're Down and Out/ Muddy Waters Louisiana Blues/ Ma Rainey Chain Gang Blues and any blues standard form any blues artist.<br>Bruno Mars Count on Me/Sam Smith Stay With Me/ Topic FT A7S Breaking Me/John Denver Take Me Home, Country Roads |

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| <b>Drama</b>      | 'Working from a Script' Blood Brothers by Willy Russell | Status<br>Stage Directions<br>Characterisation<br><br>Monologues<br><br>Juxtaposition | What are the conventions of a theatre play script?<br><br>What gives a person 'status'?<br><br>How are the different statuses of Mickey and Eddie shown to the audience?<br><br>How are the characters of Mrs Lyons and Mrs Johnstone <b>juxtaposed</b> (compared to each other)? | <p><b>DO:</b> Perform a section of the play, either on your own playing multiple characters or using someone at home to read the other parts. Try being different characters in the same scene - what have you had to change for each character?</p> <p><b>GO:</b> Meet up (virtually or otherwise) with friends and <b>hot-seat</b> as different characters - ask each other questions to allow you to get a deeper understanding of each character in the play.</p> <p><b>READ:</b> The whole play script! - <a href="#">Blood Brothers by Willy Russell</a></p> <p><b>WATCH:</b> <a href="#">This video</a> which explains the plot of Blood Brothers in depth:</p> |
| <b>Technology</b> | <b>Architecture</b>                                     | Function<br>Structure<br>Form<br>Materials<br>Perspective                             | Do all builds have to be functional and beautiful?<br><br>What do architects have to consider when designing buildings?<br><br>What is meant by the term form and function?   | <p><b>DO:</b> Look at the world around you, the structure of buildings, the materials used their function</p> <p><b>WATCH:</b> Grand designs (house of the year awards)</p>  |

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| <b>Physical Education</b> | Health Related Fitness<br><br>The body systems | Components of fitness<br>Warm ups and cool downs<br>Muscular skeletal system<br>Skeletal system<br>Cardiovascular system | <p>Using the scientific terminology, can you identify and name the lower body muscles? Use the correct key words to describe the components of fitness within a sporting situation.</p> <p><b>Health Related Fitness</b><br/>         Which components of fitness can you define?<br/>         Can you link components of fitness to specific exercises?<br/>         Why do we warm up and cool down?<br/>         What are the different stages or a warm up and a cool down?</p> <p><b>The body systems</b><br/>         Can you name and locate the skeletal muscles within the body?<br/>         Can you name and locate the bones within the body?<br/>         Can you name, and explain the role of, the 3 key components of the cardiovascular system?</p> | <p>DO:<br/>         - Try a Joe Wicks workout from home!<br/> <a href="https://www.youtube.com/c/TheBodyCoachTV/playlists">https://www.youtube.com/c/TheBodyCoachTV/playlists</a><br/>         - Create your own skeletal system with items around the house (pens or pencils would make brilliant “bones”)!<br/><br/>         GO:<br/>         - Go outside and get your daily exercise in!</p> <p>READ:<br/>         -Young Champion's Mind, The: How to Think, Train, and Thrive Like an Elite Athlete - Jim Afremow<br/>         - More information of the Body System’s can be found here:<br/> <a href="https://www.bbc.co.uk/bitesize/examspecs/zxbg39q">https://www.bbc.co.uk/bitesize/examspecs/zxbg39q</a></p> <p>WATCH:<br/>         - Watch what happens inside your body, when we exercise:<br/> <a href="https://www.youtube.com/watch?v=wWGuILa000">https://www.youtube.com/watch?v=wWGuILa000</a></p> <p>LISTEN: To your favourite motivational music and complete a Health Related Fitness session as provided by the PE Department</p> |
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| <b>CDP</b>              | Caring for the Body<br><br>Building Courage | Fuel<br><br>Rest<br><br>Exercise<br><br>Goal-setting<br><br>Courage            | What does your body need to be healthy?<br><br>What is the link between a healthy body and a healthy mind?<br><br>What do we mean by 'self-care'?<br><br>How would you define courage? Is it something we are born with or can we develop it? | DO: create your own self-care checklist. How can you make yourself feel better?<br><br>GO: to a local green space and focus on the world around you.<br><br>READ: <a href="#">One You NHS Website for Teens</a><br><br>WATCH: <a href="#">Newsround Self-Care Ideas</a><br><br>LISTEN: <a href="#">TRAINED Podcast</a>   |
| <b>Computer Science</b> | Computing Systems                           | Hardware<br>Software<br>System Components<br>Logical                           | Is a toaster a computer?<br><br>What is 'artificial' intelligence?  | DO: Find out if a toaster is a computer?<br><br>GO: <a href="#">Topics - CHM Revolution (computerhistory.org)</a> (Online museum for the history of computers)<br><br>READ: <a href="#">The Pattern On The Stone - Little ideas that make computers work</a><br><br>WATCH: <a href="#">Topics - CHM Revolution (computerhistory.org)</a> (Online museum for the history of computers)<br><br>LISTEN: <a href="#">The birth of a computer</a> |
| <b>PSHE</b>             | Career Skills                               | Teamwork<br><br>Communication<br><br>Labour market information<br><br>Pathways | What skills and attributes do different careers need?<br><br>Are there different pathways to jobs?<br><br>What are my skills and attributes?  | <b>DO:</b> Talk to friends and family about their jobs, ask them what they do, what training that had to do, have they changed careers ...<br><br><b>READ:</b> What Color Is Your Parachute? for Teens<br><br><b>WATCH:</b> The Nine to Five with Stacey Dooley on BBC bitesize/iplayer  |