

# Orwell Class Spring 1 2024



Acorn Park

<p><b><u>History</u></b></p> <p>In Tsardom and Communism, the learners will be looking at the Russian Civil War, including propaganda and War Communism. Afterwards the learners will be looking at Lenin's New Economic Policy, the death of Lenin and the rise of Stalin. In the history of medicine, the learners will consider the contributions of Edward Jenner and John Hunter, the fight against pain and the discovery of germ theory.</p>	<p><b><u>RE</u></b></p> <p>The learners will be studying the practises of Hindus including yoga and meditation. The learners will also look at the role of temples and pilgrimage. The learners will be finishing off looking at social justice, in particular religious attitudes to poverty before exploring how religion's view nature.</p>	<p><b><u>Computer Science</u></b></p> <p>In this unit, learners will gain an understanding and knowledge of how computer systems work. Starting with the building blocks of the microprocessor - logic gates - learners will discover how a computer system works and executes instructions.</p>	<p><b><u>Maths</u></b></p> <p>This half term Orwell will be studying measures of location: finding averages of data sets and comparing distributions. They will then look at constructions and congruency, drawing and measuring angles, scale drawings, and constructing triangles and perpendicular bisectors (higher). We will focus on vocabulary, and accurate drawing and measuring in this unit. Lastly, we will learn about straight line graphs, drawing straight line graphs and finding the equation of a line (higher), and coordinates, position and direction (foundation)</p>
<p><b><u>Psychology</u></b></p> <p>In cognitive psychology the learners will consider sensation and perception, contrasting Gibson's direct theory of perception and Gregory's constructionist theory. The learners will also explore what visual illusions can tell us about perception. In social psychology the learners will be looking at theories of language. They will</p>	<p><b><u>PSHE &amp; Citizenship-</u></b></p> <p>Over the next Half term, we will be looking at the Legal System. Covering the following topics, responsibilities and roles of citizens in the legal system, how groups can be powerful. we will also be partaking in independent investigation that is part of obtaining the GCSE qualification. We also have a Judge visiting Friday 19 January to talk to the QCSE classes.</p>		<p><b><u>Science</u></b></p> <p>This term will see year 10 class exploring inheritance and variation with the big idea linked to these topics being: genetic information is passed down from one generation of organisms to another. The topics being explored will be:</p> <ul style="list-style-type: none"> <li>· Sexual and Asexual reproduction Recap</li> <li>· DNA structure</li> <li>· DNA and the genome ( chromosomes and genes)</li> </ul>

<p>contrasting Piaget's theory of concept before thought with the Sapir-Whorf theory of language before concept.</p>		<ul style="list-style-type: none"> <li>· Sex determination in humans</li> <li>· Genetic inheritance ( single gene)</li> <li>· Genotype and Phenotype</li> <li>· Inherited disorders</li> </ul> <p>Another theme, they will be exploring will be evolution with the associated big idea being, the diversity of organisms, living and extinct, is the result of evolution.</p>
<p><b><u>English</u></b></p> <p>Orwell will be reading An Inspector Calls in preparation for their GCSEs. They will read the play together, taking it in turns to read different parts. They will study the stage directions and discuss the impact of these on the way each character is presented to the audience. They will learn about the political opinions of the time and how these had an influence on the playwright. They will study how to answer a GCSE question on the play and practice questions under exam conditions.</p>		<p><b><u>Geography</u></b></p> <p>Orwell will continue to explore Urban issues and challenges. Looking at how urban growth creates opportunities and challenges in LICs and NEEs. They will look at how urban change in cities in the UK leads to a variety of social, economic, and environmental opportunities and challenges. They will look a why Urban sustainability requires management of resources and transport. They will then move on to exploring the changing economic world.</p>
<p><b><u>Art</u></b></p> <p>Students will develop and enhance their awareness and understanding of the visual world, particularly the natural world and the world of the</p>	<p><b><u>Provisions</u></b></p> <p>This half term, Orwell class will be completing a Talk about for teenagers' programme. This will be a 30–45-minute sessions weekly and will develop their emotional resilience and emotional literacy. They will begin to understand their own emotions as well as others'</p>	<p><b><u>PE</u></b></p> <p>This half term, Orwell class will be participating in badminton. They will be developing their hand-eye coordination and physical fitness. They will also be developing their knowledge of the rules for both singles and doubles, their knowledge of tactics and</p>

visual arts, through a thorough study of design principles and observational practices. Students will also work towards the Chinese New year and the Mardi Gras by creating original Art projects based on their interpretation

emotions in relation to their actions. They will develop their communication skills and build trust as a group.

strategies to outwit opponents and their sport specific skills to succeed in competitive situations.

### Horticulture

This term in Horticulture we will be focusing upon improving the environment of our school. We will be taking a holistic approach and seeing how we can enrich the school's green spaces whilst ensuring that this still takes into account the needs of all who use these areas. One project will be to create a larger pond outside area of Animal Care and to renovate the schools ailing insect and minibeast area.