



Lewis Girls' School

Year 9 Curriculum Overview

Autumn Term 1 2018



Mathematics & Numeracy

Numeracy

Converting $\frac{1}{8}$ to a percentage, calculating the number of $\frac{1}{5}$ s in a number, reverse area of a triangle, bearings, estimating the cube root of 100, stating reciprocals and converting to a decimal, calculating the mean from a table

Mathematics

Consolidate and extend their skills in all areas of mathematics. In particular, they will begin to apply their KS3 knowledge to GCSE questions and stretch understanding of algebra in preparation for the demands of GCSE and beyond.

Humanities

Religious Education:

Learners have begun their GCSE in Religious Studies. Topic 1 focuses on what God is like. We learn key vocabulary such as atheist, theist, agnostic and humanist. We will then look at religious and scientific ideas about the universe: Can you be a scientist and religious?

History:

This year pupils are studying the theme 'Days that shook the world'. The year begins with an introduction to what makes an event significant and therefore a day that shook the world. In the first half term learners then study 'The sinking of the Titanic'.

Geography:

Pupils will focus on developing a range of geography skills and study the structure of the earth, plate tectonics, volcanoes earthquakes and tsunami.

Languages, Literacy and Communication

English:

Pupils will engage in a course of Study over the autumn term, inspired by Dystopian literature. The course focuses on developing skills in readiness for GCSE. Lessons progress an extended range of reading, writing and oracy skills that integrate other subjects in the curriculum, as well as allowing an opportunity for students to develop an understanding of the wider world by exploring politics, and modern day dystopia in the world around us.

French:

Pupils are looking at an ideal holiday focusing on the conditional tense and full verbs. Pupils will be encouraged to write creatively and independently in order to reach their target level.

Welsh:

In Year 9, students will continue to focus on developing their oracy, writing and reading skills. We will be consolidating our ability to express an opinion looking at our solar system, discussing the environment, reading and appreciating a poem and writing about a pet alien! Students will have the opportunity to work individually, in pair and in groups.



Science & Technology

Design Technology:

Pupils will be using CAD CAM and the laser cutter to design and make a photo frame. The project is an individual task where each pupil will create a final product to take home. While completing the digital booklet they will also learn about different theory aspects including the use of CNC and CAD CAM in industry as well as Intellectual Property Law.

Digital Design:

Pupils will consolidate their understanding of the dangers linked to the internet by creating a leaflet aimed at year 5/6 parents which will outline important topics such as cyberbullying, grooming and sexting.

Science:

All pupils begin their GCSE Science course at the start of Year 9. Pupils in sets 9.1 and 9.2 will follow GCSE Additional Science (which will allow them to opt for Separate Sciences next year should this be applicable). Here, pupils begin with the Chemistry topic of 'Water'. They learn how the public water supply is treated and how desalination is providing drinking water in times of shortages. They learn of the issues surrounding hard water, and its detection in the lab forms the basis of this topic's assessment. Following this, pupils will begin the Biology topic of 'Digestion'. Here, pupils build on work covered in Year 8. Pupils in sets 9.3, 9.4 and 9.5 will follow GCSE Additional Applied Science. They begin with the Chemistry topic of 'Obtaining Clean Water'. The start of this topic concerns the basic principles of Chemistry: elements, compounds, mixtures, chemical formulae and atomic structure. Following this, pupils learn about the treatment of the public water supply, and how desalination is providing drinking water in times of shortages. They learn of the issues surrounding hard water, and its detection in the lab forms the basis of this topic's assessment.

Creatives

Art:

Taking on the role of an illustrator, pupils will produce a mixed media illustration for inclusion in a magazine. This publication is attempting to promote to teenagers an engagement with the outdoors through different activities and interests. Their brief is to creatively produce an illustration which highlights the benefits of being active in Wales. As a starting point, pupils will use their shoes as the main focus, exploring how they use these in their chosen activity. As part of this unit of work, pupils will be required to produce a 'shoe diary' documenting their activity in a creative, visual way. They will bring together their learning in a piece of two dimensional work which incorporates stencils inspired by artists such as Banksy.

Music:

Pupils are introduced to Jazz Music through listening to a variety of genres within Jazz and they then focus specifically on 12 Bar Blues chord progressions. They learn the C Blues scale and then apply this scale to their own improvisations in readiness for practical assessment. A jazz listening exercise is also undertaken to develop pupils' appraising skills.



Health & Wellbeing

Physical Education: Pupils will be participating in a range of sports; netball, fitness and badminton.

Mini Welsh Baccalaureate: Pupils are reflecting on their skills and qualities, focusing on how these can be linked to different careers. Visits from the Careers Advisor and Barclays Bank will support pupils in CV writing.

Helping at Home



- Multiplication strategies using the magic stick. This can be supported using the video: <https://drive.google.com/file/d/1DhOVugVqsymlHPUucK0Dchi24O5KuM9o/view?is=5a9d2677>
- Join a club in their local community or in school at lunch/after school.
- Complete all homework tasks
- Follow us on Twitter : @lewisgirlssch or via the school website www.lewisgirlsschool.com