



Lewis Girls' School

Year 8 Curriculum Overview

Autumn Term 1 2018



Mathematics & Numeracy

Numeracy

Order of operations, division by a decimal, dividing by 0.2, averages - finding set of numbers, reducing an item by a third and finding the difference in price, converting a third to a decimal and rounding to 2 decimal places, reading a scale and calculating range, area of compound rectangles.

Mathematics

Further develop their understanding of mathematics. In particular, they will study the following: Geometry, Algebra, Measures, Number and data.

Creatives

Art:

Pupils will explore printmaking through looking at the work of the African printmaker, John Muafangejo. The unit lasts for approximately twelve weeks ending with a peer and self-assessment of their work. As well as acquiring creative skills in using specialist techniques through lino printing, they will work from first and second hand sources as the principal subject matter. The tasks in this printmaking project will require pupils to draw figures in proportion where they will enhance both their creative skills and numeracy.

Music:

Pupils learn about and recognise the differences between incidental music and theme music. They also complete a listening exercise on various styles of film music. They sing 'This is Me' from the *Greatest Showman* as a class and prepare group performances for assessment that must include voice, chords, ostinato and bass line.

Languages, Literacy and Communication

English:

Students will engage in a course of Study over the autumn term inspired by Gothic literature. The course focuses on developing an understanding of the breadth of the genre, and offers a range activities that progress students' reading, writing and oracy skills. Students will also have an opportunity to visit Harry Potter World to explore the conventions of more modern Gothic Fantasy Fiction.

French:

Pupils have revisited vocabulary from the previous year and written a basic introduction about themselves. They are now looking at the topic of hobbies. We are practising the skills of oracy, reading and writing whilst improving pupils' techniques for each of these components in order that they progress up the level ladder. Pupils also get to participate in the activities during languages week.

Welsh:

In Year 8, students will continue to focus on developing their oracy, writing and reading skills. Pupil will be consolidating our ability to express an opinion, discussing holidays, reading and appreciating a poem and writing about a trip. Students will have the opportunity to work individually, in pair and in groups.



Science & Technology

STEM:

Science, Technology, Engineering and Maths. In their first year pupils will be using the new STEM lab to learn about different types of energy. They will then look at how energy production affects our everyday lives as well as the environment before moving onto a range of activities design to allow for experimentation and testing of different forms of renewable energy production and harvesting to power a miniature school. Pupils will also look at how various forms of insulation affect energy loss, experimentation and realisation phase of the project.

Design technology:

Pupils will be developing both their design skills in CAD CAM as well as their practical skills in the workshop while designing and making a light cube night light. The project looks at a variety of different theory aspects as well as the design and make including joining methods.

Digital Design:

Students will develop their understanding of spreadsheets whilst learning the importance of handling money wisely. They will design a spreadsheet which replicates a bank statement, identifying income and outcome.

Science:

Pupils begin with the Biology topic of 'Reproduction'. Here, they learn about the changes that occur during puberty, along with the structures of the male and female reproductive system. They find out how new life begins and how pregnancy develops, ending in the birth of a baby. Pupils will research the formation of twins, and produce a piece of work summarising their findings. Following on from this topic is the Physics topic of 'Light'. Here, pupils will learn how objects are seen, how rainbows form and why objects appear as different colours. They will also learn how periscopes work, and will have the opportunity to build and test their own.

Humanities

Pupils will look at one of the biggest questions asked: Why is there suffering? This is viewed from a range of philosophical and religious perspectives. Learners will analyse a number of texts and discuss the ideas of a range of artists to help form their own ideas. A wide range of skills are employed, culminating in an extended piece of work. Learners have a Nandos homework sheet with a variety of tasks which they may choose from with guidance from their teacher.

Health & Wellbeing

Active Wellbeing was formerly known as PE. Pupils will explore skills needed in competitive games and learn specific techniques/tactics needed to be successful. Pupils will develop their fitness in various training sessions and testing. Pupils will create dance routines when working in small groups.

Mini Welsh Baccalaureate:

Pupils are currently studying factors that impact on health and wellbeing. This involves developing research and debating controversial issues.



Helping at Home



- Follow us on Twitter : @lewisgirlssch or via the school website www.lewisgirlsschool.com
- Multiplication strategies using the magic stick. This can be supported using the video <https://drive.google.com/file/d/1DhOVuqVgsymHPUucKOOchi24O5KutM9o/view?ts=5a9d2677>
- Encourage your daughter to join a club in their local community or in school at lunch/after school.