



Lewis Girls' School

Year 8 Curriculum Overview

Spring Term 2019



Humanities

Pupils are looking at comparisons between life in LEDC's and MEDC's. They are considering the ways in which we can help others and debating whether everyone has responsibility to help those in need.

Creatives

Art

Pupils in Year 8 last term, have been developing their recording skills working from figures. This term they have learned how to compose a piece of two dimensional work in readiness for lino cutting using their figure drawing skills. When composing their idea for the lino print, they have been encouraged to use elements from drawings they have done as homework. They have learned about the lino prints of the African printmaker John Muafangejo and explored how his use of contrast with black and white allows elements in a lino print form part of a cohesive composition. The lino designs will then be transferred onto a lino block for cutting and then printed.

Music

Pupils learn a variety of Welsh traditional melodies including revisiting *Mae Hen Wlad Fy Nhadau*, the Welsh National Anthem. There are opportunities for both singing and instrumental work as sololists, duettists or in trios.

Languages, Literacy and Communication

English

Year 8 pupils will be exploring 'Perceptions'. This will allow an opportunity for pupils to broaden their understanding beyond texts to apply to real-world issues. As well as preparing pupils for life after academic learning, this will establish a basis for GCSE study with a focus on Oracy - a crucial communication skill that will support and develop their standard of writing, and encourage a wider focus on reading.

MFL

Early on in the spring term, pupils will be completing assignments based on the previous topic of work, hobbies. They will now have a sound grasp of the present tense. Pupils will now be introduced to the past tense and will learn how to conjugate verbs whilst describing their weekends. They will do this through GCSE style activities so that pupils begin to see what is expected of them at examination level. Pupils will have access to vocab express which is an online vocabulary learning tool. They also have extra resources available through the google classroom.

Welsh

Pupils will be revising the present and past tense this term. Also, pupils will be learning how to express a good opinion. They will be shown how to extend and improve their opinion by giving good reasons and examples. They will be encouraged to use the past tense when giving their examples. Pupils will be learning these skills through the topic YSGOL (School). There will be a writing assessment based on this topic as well as an oral assessment.



Science & Technology

STEM

Pupils are now starting the experimentation phase of our year 8 energies project in STEM. They have already completed a lot of work looking into different forms of energy in the Google classroom E-work booklets. We have focused on fossil fuels and are now experimenting with greener energy sources. First we have conducted experiments on how cloud cover affects voltage output and power with our mini solar power stations before testing the power generated in our 3D printed school to see how long we can keep the lights on. Next we will be working with our hydroelectric power station to compare water flow rates to power and voltage outputs before again making use of our 3D printed school to see how long we can keep the lights on.

Look out for photos of what the girls are up to on our Twitter feed @LGS_DT

Design technology

Pupils have now completed their hand skills project designing and making a light cube making use of traditional hand skills as well as laser cutters and CAD CAM. Lots of these light cubes are now going home so don't forget to take yours! As well as some great makes we are also seeing increasingly good E-work booklets produced by the pupils in Google classroom. The next project will see a variety of aspects covered including Fair Trade and Smart materials before pupils use a professional graphic design programme to design and the make a thermo chromic mug to promote the use of Fair Trade coffee by Starbucks. This term will also see some classes going to food technology for their set cookery practical and theory lessons with those that don't cook this term cooking next term.

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Digital Design

Throughout this term, students will develop their ICT skills by incorporating advanced features such as forms and buttons into databases they have created.

Students will then use a programming application to help them understand the input and output devices needed to control different scenarios, such as controlling traffic light systems and theme park attractions.

Health & Wellbeing

Active Wellbeing

Competitive focus through Netball and creative focus, dance or gymnastics.

Mini Welsh Baccalaureate

The focus for Yr 8 learners during the spring term is on work related learning. Learners will be working on the SWEET personal development programme to explore their ability to set and work towards goals.



Mathematics & Numeracy

Numeracy

Pupils will spend this half term developing the following numeracy skills: use the term cube, cube root and reciprocal; use the common units of measure, convert between related units of the metric system and carry out calculations; use rough metric equivalents of imperial units in daily use; use timetables and timezones to calculate travel time; convert between appropriate temperature scales; use bearings to specify locations; use formulae for the area of rectangles and triangles; calculate the area of compound shapes and volumes of simple solids.

Mathematics

The spring term for year 8 will begin with plotting and drawing straight line graphs from a table of values. Later in the term these graphs will be linked to sequences of numbers generated from given rules and forming rules from given sequences. Their knowledge and understanding of number will be extended to performing multiplication and division using negatives, moving towards more abstract situations. Further work on number will involve dealing with powers of ten and discovering how these can be used to express numbers in standard or scientific form. Their work on data will include displaying data in a pie chart and using statistical measures to compare sets of data. Finally pupils will be expected to develop their existing knowledge of shape developed in year 7 to calculate the area and volume of more complex shapes.

Helping at Home

- Follow us on Twitter : @lewisgirlssch or via the school website www.lewisgirlsschool.com
- Encourage your daughter to join a club in their local community or in school at lunch/after school.
- Your child will have been provided with logins and passwords for two important websites: www.mymaths.co.uk and www.mangahigh.com. Homework will be set using both these sites. In addition to homework. These sites can be used to learn and consolidate skills taught in the classroom