



# Activities Beyond the Classroom



**'Pawb yn llwyddo gyda'n gilydd'**

## A note to pupils and parents

Contained within this booklet is a variety of activities, adventures, ideas and tasks which aim to enhance the pupils' education beyond the classroom, within subjects or departments. The hope is that these will contribute towards the learning that occurs at school.

Every child is encouraged to complete the tasks and each enhanced task will be rewarded. This will support the school's new Praise Programme.

As a school, we are grateful for your co-operation when helping your child to complete these enhanced tasks.

If you have any question, suggestion or query on this new Programme please contact the school.

With thanks for your continued support and co-operation.

Ysgol Syr Hugh Owen



## Department: Cymraeg/Welsh

### Cyfle i ddysgu/Opportunity for Learning

Evidence seen/  
Signed

Stamp

See a drama in a theatre and write a review.

Join the library in Caernarfon and make regular use of the facilities.

Watch a television series on S4C (e.g. Rownd a Rownd, Gwaith Cartref, TAG) and write a review on one of the programmes.

Visit Galeri or Pontio, Bangor

Read a novel by T. Llew Jones and write why he is considered as the "King of Children's Literature"

Write a report on an international rugby or football match.

Complete one Literature task for the Urdd Eisteddfod.

Read poems by one of Wales' famous poets and write an appreciation of the poet's work.

Visit the home or area of Wales' most famous people e.g. Cae'r Gors - Kate Roberts, Tŷ'r Ysgol, Rhyd Ddu – T.H. Parry-Williams, Yr Ysgwrn, Trawsfynydd – Hedd Wyn)

Research the life and work of the Children's Poet of Wales and create a digital presentation.

Listen to a Radio Cymru news bulletin and write a news bulleting about an activity in your area.

Listen to the music of a Welsh pop group and create a File o' Fact about the group.

Create a play list on Hwb+ on a topic of your choice. You must include a quiz to work with the resources.

Write a report for Seren Syr Hugh or Papur Dre.

Take part in a reciting competition in Eisteddfod yr Urdd.

# Department: English

## Opportunities for Learning

Evidence seen/  
Signed

Stamp

Watch a drama, or a film in the theatre and write a reviews.  
Take a selfie in the foyer.

Visit the Roman fort at Segontium and write a list of the most interesting facts about it. Take a photo of your visit.

Write a biography of a living author.

Read "The Times" newspaper and choose three interesting articles to discuss.

Find out when it's World Poetry Day, and write a poem for it.

Read or watch a drama by Shakespeare.

Join the public library in Caernarfon and use it to find authors who are new to you.

Create a list of Shakespeare's dramas and divide them into groups based on their themes.

Write a short biography on William Shakespeare

Create a collection of poetry of which you are fond.

Write an article for 'Seren Syr Hugh' regarding an achievement at school.

Read Tolkien's "Lord of the Rings" trilogy.

Help to organise and promote volunteering activities.

Write a short biography on Charles Dickens.

Find out who the Poet Laureate is and write about one of his poems.

Write a letter to an author asking what inspires them.

Learn 'If' Rudyard Kipling off by heart.

Write an article about a famous person you admire.

Watch a film or TV adaptation of a classical novel and write a review.

Join a reading club.

Read 'David Copperfield' by Charles Dickens.

Watch a whole news programme on BBC or SKY every night for a week.

Write a short story and submit it to a magazine.

Start and conduct a reading group for younger readers.

Create a project on Michael Morpurgo, which includes a biography, details of his novels and his writing career.

# Department: Mathematics

## Opportunity to Learn

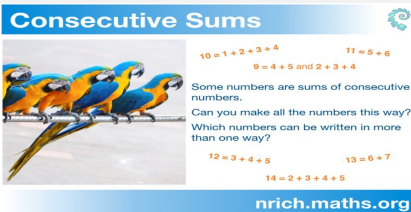
Evidence seen /  
Signature

Stamp

What shapes can you create by folding an A4 piece of paper once only?

Can you build a tetrahedron where every side has the same size perimeter?

Is there any correlation between the number of people that attend a Premier League football match and the amount of games the team has won? Use the latest statistics at <http://www.espnfc.com/english-premier-league/23/statistics/performance> to help you.



**Consecutive Sums**

$10 = 1 + 2 + 3 + 4$        $11 = 5 + 6$   
 $9 = 4 + 5$  and  $2 + 3 + 4$

Some numbers are sums of consecutive numbers.  
Can you make all the numbers this way?  
Which numbers can be written in more than one way?

$12 = 3 + 4 + 5$        $13 = 6 + 7$   
 $14 = 2 + 3 + 4 + 5$

nrich.maths.org

In 2016 the British people counted 8,262,662 of birds in their gardens for the 'Big Garden Birdwatch 2016', Go to <http://www.rspb.org.uk/get-involved/activities/birdwatch/results.aspx> for further details. Count how many different birds you can spot in an hour and compare your results with the results entered for Wales.

Organise a table tennis tournament with the following rules:

1. 7 players in the tournament
  2. Every player must play each other once.
  3. 4 tables available.
  4. Games take up to 1/2 hr each.
  5. Tournament starts at 1pm.
- Design a poster so that all the players understand the tournament.

Organise a school trip for 50 pupils in your year to any location of your choice. Calculate the distance and the cost and design a booklet which contains all the information and try to sell your idea and why they should attend.

# Department: Mathematics

## Opportunity to Learn

Evidence seen /  
Signature

Stamp

**Chances Are**

Are you willing to take your chances with any of these games?

Which one has the best odds of winning?

To win, spin a coin and get 12 heads in a row!

Roll a 6 on our ten-sided die four times in a row to win!

Pick my favourite 4 of these 10 pictures and put them in order to win

Throw five dice and get five sixes, and you win!

These are my seven favourite plants. Put them in the right order to win.

[nrich.maths.org](http://nrich.maths.org)

Research the furthest you can travel from the school in an hour—you can use any mode of transport—train, bus, aeroplane .... But remember you need to arrive first! Describe your journey from school—how far will you get?

**Make 100**

1 2 3 4 5 6 7 8 9 = 100

Fill in the gaps with suitable operations (+, -, ×, ÷) to make 100

Thousands more problems can be found on the [nrich.maths.org](http://nrich.maths.org) website.

<http://nrich.maths.org>

How quickly do you react to something (e.g. catch a ball, start a race ...)? Design an experiment to measure response times. Show your results in a clear and interesting way.

Design a table which can sit a family of 5 to eat together. It needs to be able to accommodate 8-10 people on special occasions. You will need to make detailed designs of the table from every angle and show all your calculations for creating it in a factory. Write your report explaining the table's main features (colour, made from etc) and how much it would cost to make.

**Cuboid Challenge**

You can make an open box from a 20cm by 20cm piece of card by cutting out four squares and folding the flaps.

What's the biggest volume of box you can make in this way?

[nrich.maths.org](http://nrich.maths.org)

**\*\* CHALLENGE \*\*** Can you solve any of the problems on ProjectEuler.net? Project Euler is a series of mathematical/computer programming problems which ask for more than just mathematical skill to resolve. Although mathematical skills will allow you to resolve the problems effectively, you will also need to be able to use computer programming to resolve most of the problems.

## Department: Science Year 7

### Opportunity to Learn

Evidence seen /  
Signature

Stamp

Investigate how fireworks are made and how to get different colours and effects.

Find out what is Mpemba effect and try and repeat the experiment.

Complete the experiment "cloud in a jar" ([www.kidspot.com.au](http://www.kidspot.com.au)). Present the work to your class.

Find an interesting fact on the website "Ask an Astronomer" ([curious.astro.cornell.edu](http://curious.astro.cornell.edu)). Design a poster to explain it.

Use "PowerPoint" to create an animation of how chromatography works.

How healthy is no fat yoghurt?

Explain why a ham and salad sandwich on brown bread and an orange fruit juice is a balanced meal. Show your findings in the form of a mindmap.

Look for animals under stones on the Foryd. Take pictures of what you find and note your findings on a bar chart to note down the numbers.

Read a newspaper and count how many Science articles there are. Create a bar chart to show how many articles there are on different science topics in a week.

Take part in any local event for Science Week 2017 (March 10-19). (E.G. look on the Bangor University website for activities all week.)

Look for fossils at Red Wharf Bay, Anglesey. Try and make a wax diagram of them.

Repeat any experiment on "The Naked Scientist" website and present this to the rest of the class.

## Department: Science Year 8

Opportunity to Learn	Evidence seen / Signature	Stamp
How do different matches work? Present your findings in a poster.		
What is the fire triangle? Find out how different fire extinguishers work and prepare a presentation on your work.		
Learn the song that lists the waves in the electromagnetic spectrum.		
Create a time line showing the discovery of the microscope and the cell theory.		
Complete an OPAL review on the environment.		
Find out how many phone masts there are in your area. Create a map to show where they are and which company owns each one.		
Create a timeline to show how the ideas about atoms have developed over many many years.		
Why are there cells in blood? Research why veins can sometimes appear blue.		
Create a questionnaire to see if people think that washing clothes on low temperatures is a good thing or not.		
Take part in any local event for Science Week 2017 (March 10-19). (E.G. look on the Bangor University website for activities all week.)		
Find out which elements there are in the body. Show your findings on a pie chart.		
Visit Parys Mountain in Amlwch, Anglesey.		
Repeat any experiment on "The Naked Scientist" website and present this to the rest of the class		
Install "Audacity" software on your computer and use this to research how different wavelengths vary.		
How do the police use Science to make their work easier?		



## Department: Science Year 9

### Opportunity to Learn

Evidence seen /  
Signature

Stamp

Visit Electric Mountain in Llanberis and collect some reading material.

Why does biological washing powder wash clothes better at a lower temperature?

Find out how Science helps the performance of sports people in their favourite sport. Create a poster to present your findings.

Take part in any local event for Science Week 2017 (March 10-19). (E.G. look on the Bangor University website for activities all week.)

Repeat any experiment on "The Naked Scientist" website and present this to the rest of the class

Write and present a persuading speech on a scientific subject you feel strongly about.

Research the long term effects on living in space on an astronaut. Prepare a Powerpoint presentation displaying your work.

Make a model of a hovercraft. Assess it's performance and which forces are in action.

Explain why an egg hardens when it's boiled.

Which countries create electricity in nuclear power stations? Present your findings in the form of a poster.

Excavating rare metals can cause serious pollution. Create a Powerpoint presentation with some examples of how the pollution occurs.

What is nanoscience. What is it's importance. Write a report on this.

# Department: Physical Education

## Opportunity to Learn

Evidence seen /  
Signature

Stamp

Attend a 5 x 60 session.

Represent the school in any sports team.

Attend a fitness session after school.

Go swimming.

Represent your house in the School's Athletics Day.

Contribute to the school's Sport Committee.

Offer training or support to the clubs held at lunchtime.

Offer training or support to after school clubs.

Register on the School's twitter website @agysbo

# Department: Religious Education

## Opportunity to Learn

Evidence seen /  
Signature

Stamp

Take a picture of a mouse at the Cathedral in Bangor.

Discover which Saint's day falls on your birthday.

Memorise the list of the Five Pillars of Islam.

Watch the film 'Bend it Like Beckham'.

Discover what is the first and last book of the Old Testament.

Learn and recite the Jewish Shema.

Find out in which church parish is your home.

Write a short biography of the life of Oscar Romero.

List the five books that form the Torah?

Watch the film 'Exodus: Gods and Kings'.

Create a list of 5 religious centre in Caernarfon and note which religious group to which they belong.

Write a guide to any pilgrimage place in any religion.

Discover how the date for celebrating Easter is calculated.

Visit any religious place of worship.

Learn the symbolism for 5K to Sikhs.

## Department: Art

### Opportunity to Learn

Evidence seen /  
Signature

Stamp

Visit an art gallery and collect leaflets.

Create a picture of your house in contrasting colours.

Look at different logos e.g. Mars/Maltesers/Coca Cola and design your family/friends' names in the same font.

Write your name in 10 different fonts ([www.dafont.com](http://www.dafont.com)).

Design a school logo using/creating a Celtic pattern.

Create a cartoon strip using a proverb as your inspiration.

Create a card for any occasion using a proverb.

Design a birthday card in the style of the artist Banksy.

Still life of your kitchen table (using a pencil and remembering shadows).

Self portrait in the style of your choosing.

Design a CD cover in the style of Kandinsky/or an artist of your choosing.

Design a GRAFFITI using your name.

Portrait of a famous person.

Visit an Art Gallery and research one of the artists in the Gallery.

Look out through your bedroom window and create a painting of what you see.

## Department: Music

### Opportunity to Learn

Evidence seen /  
Signature

Stamp

Take part regularly in extra curricular activities.

Take on the role of Music Mentor by supporting the learning in class.

Take on the role of Music Mentor by supporting/ teaching the development on a musical instrument to someone else.

Cymryd rhan mewn cyngerdd cerddorol: perfformiad neu griw cynhyrchu

Perfformio yn y gwasanaeth boreol.

Cefnogi blwyddyn 5 a 6 yr ysgolion cynradd yn yr Ymweliad Cynradd.

Mynychu cyngerdd neu ddatganiad penodol. Rhaid profi eich bod wedi bod yno e.e. tynnu llun, copi o raglen.

Uwchlwytho eich cyfansoddiad ar Youtube Cerdd Syr Hugh

Dangos eich bod yn gallu defnyddio Audacity yn llwyddiannus.

Recordio eich hun yn chwarae darn o gerddoriaeth a'i roi ar Youtube Cerdd Syr Hugh.

Gwneud recordiad acwstig sy'n dangos dealltwriaeth o dechneg defnyddio meicroffôn

Dysgu chwarae Penblwydd Hapus ar eich offeryn - o'r glust h.y. heb gopi

Dysgu chwarae Pen-blwydd Hapus ar offeryn newydd/ anghyfarwydd

Dysgu unrhyw alaw ar y gitâr

Dysgu unrhyw alaw ar y gitâr fâs.

Gwrando ar gerddoriaeth o 5 gwlad arall ar Youtube, gan nodi enw'r gân a'r artist.

# Adran: Daearyddiaeth

## Cyfle i ddysgu

Gwelwyd  
tystiolaeth/  
Arwyddwyd

Ymweld â chanolfan weithgareddau ble mae disgyblion yn gallu cael profiadau o weithgareddau daearyddol megis cyfeiriannu neu nofio afon. Hefyd cwblhau ymarferion a thechnegau gwaith fîm.

Creu gorsaf dywydd unai adref neu yn yr ysgol ble gellir cofnodi y data sy'n cael ei gasglu a thrafod achos a chanlyniad digwyddiadau tywydd.

Trafod mewn grŵp materion daearyddol megis cynhesu byd eang, diffyg dŵr, trafndiaeth, llygredd a.y.y.b.

Chwarae gemau megis Geography Trivial Pursuit i ehangu gwybodaeth am wahanol leoedd.

Ymrwmo i dderbyn copi o gylchgrawn daearyddol megis National Geographic.

Trefnu i siaradwr gwâdd ddod i gyflwyno gwybodaeth am weithgareddau daearyddol lleol megis o'r adran gynllunio leol, neu asiantaeth yr amgylchedd.

Cynllunio gweithgaredd gyfeiriannu mae'r disgybl wedi ei drefnu yn annibynnol.

Creu modelau 3D o nodweddion daearyddol megis folcano, arfordir ac ati.

Gwyllo'r newyddion a gwneud nodiadau ar faterion daearyddol eu natur.

Chwilio mewn papurau newydd a thorri erthyglau daearyddol pwysig a chadw arddangosfa o faterion daearyddol y dydd.

Cynnwys eich hunan mewn materion cyhoeddus sy'n cael effaith ar y gymuned leol e.e. adeiladu ffordd newydd, stad dai newydd, mast ffonau symudol neu dyrbeins gwynt.

Datblygu llythrennedd weledol drwy edrych ar fapiau, lluniau o'r awyr, diagramau, graffiau a lluniau lloeren.

Defnyddio GIS a TGCH a Google Earth.

Gwyllo ffilm gyda manylion daearyddol ac adolygu cywirdeb y ffilm.

Ymchwiliwch i un wlad a darparu gwybodaeth ffisegol, demograffig, amgylcheddol a hinsawdd amdani.

# Adran: Ffrangeg

## Cyfle i ddysgu

Gwelwyd  
tystiolaeth/  
Arwyddwyd

Stamp

Gwnud cyflwyniad PwyntPwer ar fwyd/diod Ffrengig a'i gyflwyno i'r athro/dosbarth.

Ymchwilio Hwiangerdd/Cân/Carol Ffrangeg a dysgu pennill neu ddwy.

Gwneud holiadur ar gyfer dy flwyddyn yn eu holi am eu hoff Chwaraeon/Gweithgareddau Hamdden. Cyflwyno'r wybodaeth ar ffurf graph/siart.

Gwneud holiadur ar gyfer dy flwyddyn yn eu holi am eu hoff Fwyd a Diod. Cyflwyno'r wybodaeth ar ffurf graph/siart.

Lawrlwytho'r app Duolingo a gwneud rhai o'r ymarferion Ffrangeg bob dydd am wythnos.

Lawrlwytho'r app Duolingo a gwneud rhai o'r ymarferion Ffrangeg bob dydd am fis.

Ymchwilio cymeriad/dylunydd/arlunydd/athletwr(aig)/berson enwog Ffrengig a gwneud proffil ohonynt yn Ffrangeg.

Llunio bwydlen '**à la carte**' ar gyfer bwyty Ffrengig.

Chwilio am fwydlen Ffrangeg o fwyty ar-lein a'i gyfieithu. (Am wobwr ychwanegol, defnyddio'r gyfradd gyfnewid i roi'r prisiau cyfatebol i mewn hefyd).

Darganfod cân Pop Ffrengig. Cyfieithu pennill neu ddwy a'u dysgu.

Ymchwilio dyddiad, hanes a dathliadau Diwrnod Bastille yn Ffrainc. Cyflwyno'r wybodaeth i'r athro/dosbarth.

Ysgrifennu llythyr at ffrind newydd yn disgrifio dy hun yn fanwl.

Ymchwilio 3 adeilad/atyniad Ffrengig a gwneud pamffled/llyfryn gwybodaeth arnynt.

Ymchwilio sut mae cartrefi Ffrengig yn dathlu'r Wyl (Nadolig a'r Flwyddyn Newydd).

Chwilio am ysgol Ffrengig ar y Wê a gwneud pamffled/llyfryn gwybodaeth o'r ysgol.

Ysgrifennu ddyddiadur bwyd yn Ffrangeg am wythnos / fis.

Cynhyrchu pamffled/llyfryn ar leoliad Cymraeg neu Ffrangeg yn annog pobl i ymweld â'r lle.

Gwyllo ffilm Ffrengig ac ysgrifennu adolygiad o'r ffilm (cofio cymryd sylw o'r oed).

Ysgrifennu cwwis Gwir neu Gau yn Ffrangeg ar gyfer y dosbrth/flwyddyn.

Cynhyrchu Pwynt Pwer ar unrhyw 3 rheol gramadegol. Cyflwyno'r wybodaeth i'r athro/dosbarth.

Cynhyrchu Pwynt Pwer yn egluro sut i siarad yn y Gorffennol yn Ffrangeg.

Cynhyrchu Pwynt Pwer yn egluro sut i siarad yn y Dyfodol yn Ffrangeg.

Chwilio ar-lein am erthygl o bapur newydd Ffrangeg. Ysgrifennu crynodeb Cymraeg/Saesneg o'r erthygl

Ymchwilio rhai o'r prif faterion amgylcheddol yn Ffrainc ar y funud.

# Adran: Hanes

## Cyfle i ddysgu

Gwelwyd  
tystiolaeth/  
Arwyddwyd

Cymryd rhan mewn noson agored gyda'r Adran hanes

Gwneud adolygiad (oleiaf 500 o eiriau) o gyfres hanesyddol ar y teledu e.e. Poldark, Horrible Histories, The Tudors, Band of Brothers

Gwneud poster mawr yn cynnwys 10 o bethau afiach yr ydych wedi ei ddarllen o'r gyfres 'horrible histories'.

Ymweld â 3 castell yng Ngogledd cymru (heb gynnwys Caernarfon)

Darllen dyddiadur Anne Frank (yn Gymraeg neu Saesneg) ac ysgrifennu adolygiad 500 o eiriau yn rhoi eich barn am y llyfr

Darllen bwygraffiad hanesyddol unrhyw berson pwysig mewn hanes

Darllen nofel ac yna cymharu'r nofel gyda'r ffilm e.e. Schindler's Ark, The Pianist, To Kill a Mockingbird, War Horse, Goodbye Mr Tom, Treasure Island

Darganfod o leiaf 4 cofgolofn (monument) yn yr ardal leol

Cyfweld perthynas neu ffrind teuluol am unrhyw ddigwyddiad hanesyddol yr oeddynt yn dyst iddo neu yn ei gofio

Creu coeden deuluol sy'n mynd yn ôl mor bell â phosib

Gwneud ffeil o ffeithiau (Fact file) am unrhyw ddigwyddiad hanesyddol sydd ddim yn cael ei astudio yn yr ysgol

Ysgrifennu coffadwriaeth (obituary) am unrhyw ffigwr hanesyddol

Gwneud Pwynt Pwer o hanes tref Caernarfon ers 1700.

Gwneud rhestr o brif ddigwyddiadau yn hanes Cymru a pham eu bod yn bwysig

Tynnu selfie tu allan i adeiladau hanesyddol pwysig ym Mhrydain (heblaw unrhyw gastell)



# Adran: Technoleg - Bwyd & Maeth

## Cyfle i ddysgu

Gwelwyd  
tystiolaeth/  
Arwyddwyd

Rhoi cynnig ar flasau bwyd nad ydych erioed wedi ei flasau o'r blaen

Ymweld â 'Marchnad cynnyrch bwyd lleol'

Edrych ar gynnwys maeth bwydydd yr ydych yn fwytia

Ymweld â siop bysgod i weld yr amrywiaeth sydd ar gael.

Edrych ar y bwydydd tramor sydd ar gael mewn archfarchnadoedd.

Casglu cylchgronau (am ddim) bwyd sydd mewn archfarchnadoedd.

Torri lluniau bwydydd allan i gael syniadau ar sut i gyflwyno bwydydd.

Ymweld â siop cigydd i weld yr holl ddarnau (cuts) gwahanol o gigoedd sydd ar gael.

Gwyllo aelodau eraill o'r teulu yn coginio.

Gwyllo rhaglenni coginio ar y teledu megis Masterchef, Great British Bake Off

Ymweld â chaffi/bwyty lleol i gael pryd o fwyd

Defnyddio'r wê i ymchwilio i gynnyrch bwyd sydd ar gael yn lleol

Casglu rysetiau yr ydych yn goginio i greu llyfr rysetiau personol

Ymweld â siop lysiau a ffrwythau ffres i weld yr amrywiaeth sydd ar gael.

Coginio ar gyfer eich teulu