

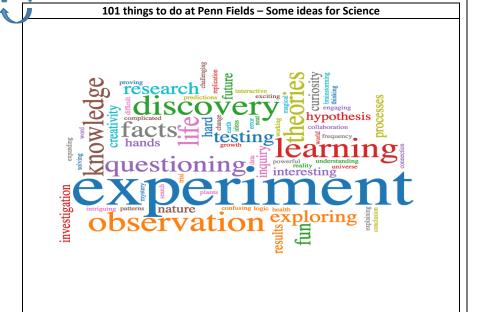
## <u>Key Stage 4</u> Students in Key stage 4 have four lessons of science each week.

Course	Level
ASDAN Life skills challenge	Entry 1
WJEC Pathways (portfolio based)	Entry 2 & 3
AQA - ELC	Entry 1 -3
AQA - GCSE	GCSE Combined Science (Foundation)

Developing Skills with SOLO taxonomy			
Initial	Multi	Relate	Extend
Define	Memorise	Sequence	Generalise
Identify	Define	Compare and	Evaluate
Describe	Name	contrast	Prove
	Match	Explain effects	Justify
	Identify	Distinguish	Predict
	Label	Question	Reflect
	Recall	Classify	Argue
	Describe	Explain causes	Prioritise
	Outline	Analyse	Construct
	List	Organise	Generate

Preparation for Adulthood		
KS4 Students access 4 hours each week of multi skills sessions giving learners the opportunity to link the		
curriculum to their lives		

curriculum to their lives			
Biology	Chemistry	Physics	
Explore and discover local	Talk about clean air whilst	Visit a funfair, thinking	
habitats and the animals	walking in the local	about the rides working	
that live there. Learn	environments. What is	as machines.	
about living things. Visit a	air? Explore different	Watch the night sky, or a	
zoo or local wild life	Materials and properties	programme on TV about	
centre to learn about	found at home or in	space. Build Lego models	
Plants. Do pond-dipping,	nature. Take part in	of transport. Read a book	
bird watching with adults.	cooking to learn about	on science discoveries	
Healthy living and	changing materials.	made by Newton. Visit a	
cooking. Discover how to	Why do materials	science or history	
keep germs out by	change? Insulating	museum to learn about	
washing/cooking food	materials, what are they?	industrial revolution.	
thoroughly.			



Key Stage 3

SOLAR / Book Marking / Feedback

**Qualifications &** 

**Progression** 

Key stage 4

ASDAN WTE1/E1 Entry Level Pathways: WJEC E2/E3

Entry Level Certificate: AQA ELC 1-3

AQA GCSE Science



## ASDAN Like Skills Challenge – Entry 1

Cycle 1	Entry level 1	
Autumn	Energy in the home Recognising different textures.	
Spring	Chemical products in the home & their environmental impact Introduction to crime scene investigation.	
Summer	Our solar system	
	Growing three different types of house plant.	

Cycle 2	Entry level 1	
Autumn	Science and the human body Light and dark	
Spring	Animal digestive system Working with electrical circuits	
Summer	Variation and adaptation Forces and magnets	

## WJEC Pathways – (Science Today) Entry 2 & 3

Cycle 1	Entry 2	Entry 3
Autumn	Energy in the home & workplace	Energy in the home & workplace
Spring	Chemical products in the home & their environmental impact	Chemical products in the home & their environmental impact
Summer	Making useful chemical compounds Science and our Universe	Making useful chemical compounds Science and our Universe

Cycle 2	Entry 2	Entry 3
Autumn	Science and the human body	Science and the human body
Spring	Working with electrical circuits	Working with electrical circuits
Summer	Variation and adaptation	Variation and adaptation



## **AQA Entry Level Certificate**

Cycle 1	AQA Entry level Certificate (ELC 1-3)	AQA GCSE Science
	(Internal/external assessments)	(Trilogy) Terminal exams
Autumn	The Human body	<ul> <li>Cell biology</li> <li>Organisation</li> <li>Infection &amp; response</li> <li>Homeostasis &amp; response</li> </ul>
Spring	Elements, mixtures and compounds	<ul> <li>Atomic structure &amp; periodic table</li> <li>Bonding, structure &amp; properties</li> <li>Quantitative chemistry</li> <li>Chemical changes</li> <li>Energy changes</li> </ul>
Summer	Energy, forces and the structure of matter	<ul> <li>Energy</li> <li>Particle model of matter</li> <li>Atomic structure</li> <li>Forces</li> </ul>
Cycle 2		
Autumn	<ul> <li>Environment, evolution and inheritance</li> <li>•</li> </ul>	Ecology, Inheritance, variation & evolution
Spring	Chemistry in our world	<ul> <li>The rate &amp; extent of chemical changes</li> <li>Organic chemistry</li> <li>Chemical analysis</li> <li>Chemistry of the environment</li> <li>Using resources</li> </ul>
Summer	<ul> <li>Electricity, magnetism and waves</li> </ul>	<ul><li>Electricity &amp; Waves</li><li>Magnetism and Electromagnetism</li></ul>