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Open Awards Entry Level Award and Certificate in Science (Entry 2) (RQF)

Award - 610/1326/2

Certificate - 610/1327/4



QUALIFICATION GUIDE

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Version Control	
August 2022	<u>Introduction</u> This qualification has been created to support the STEM curriculum, providing pre-GCSE Science. It will enable learners to confirm their skills and knowledge and progress onto higher studies in the same subject. The qualification is comprised of a Mandatory Unit in 'Science Investigation Skills' which is a two-credit unit. For the Award, the remaining credit is chosen from across subjects within Biology, Chemistry and Physics. At least one unit from each subject area must be achieved to meet the rules of combination. For the Certificate, learners complete the Mandatory Unit in 'Science Investigation Skills' which is a two-credit unit. The remaining credits can be chosen from across subjects within Biology, Chemistry and Physics. At least one unit from each subject area must be achieved to meet the rules of combination. Learners will also complete six credits from Project Group C and choose from a range of projects in the Science of Power, The Mechanics of Making Things or The Science of Making Things.

About the Qualification

Title	Open Awards Entry Level Award and Certificate in Science (Entry 2) (RQF)
QAN	Award - 610/1326/2 Certificate - 610/1327/4
Sector	2.1 Science
Level	Entry Level 2
Funding	Please click here for more information
Pricing Information	Please click here for more information
Review Date	31/08/2027

Ofqual Purpose	B - Prepare for further learning or training and/or develop knowledge and/or skills in a subject area
Ofqual Sub-Purpose	B1 - Prepare for further learning or training

Total Qualification Time/Guided Learning	
Award	
Total Qualification Time (hours)	110
Guided Learning (hours)	110
Certificate	
Total Qualification Time (hours)	200
Guided Learning (hours)	190

Age Range and Restrictions:	
Pre -16	✓
16 – 18	✓
19+	✓
Any other restrictions specific to the qualification(s)	None

Any specified entry requirements
There are no specific entry requirements for this qualification, but learners should be in a suitable learning environment where they are fully supported.

Recommended Assessment Method Summary
Learners will be required to complete a portfolio of evidence set and marked by the education provider and externally quality assured by Open Awards. Candidates must provide sufficient evidence that they have the required knowledge, skills and understanding of the assessment criteria and that it is their own work. Types of evidence could include: a) Observation of performance b) Questioning (written or oral) c) Practical Activities d) Photographs or videos e) Personal statements f) Project work g) Witness testimonies h) Group discussion i) Recognition of Prior Learning Assessment practices must reflect the Equality and Diversity Policy of Open Awards. Assessment methodology will support flexible approaches to delivery and assessment to avoid disadvantage.

Qualification Structure

Rules of Combination	
Award	
Credit Value of the Qualification:	11
Minimum Credits to be achieved at the Level of the Qualification:	11
Mandatory Unit Group A	2
Option Groups B	9
B1 – Biology B2 – Chemistry B3 – Physics	Learners must achieve a minimum of 1 credit from at least 2 of the pathway groups B1, B2 and B3.
Certificate	
Credit Value of the Qualification:	20
Minimum Credits to be achieved at the Level of the Qualification:	17
Mandatory Unit Group A	2
Option Groups B	12
B1 – Biology B2 – Chemistry B3 – Physics	Learners must achieve a minimum of 1 credit from each of the pathway groups B1, B2 and B3.
Option Groups C	6
C1 - The Science of Power C2 - The Mechanics of Making Things C3 - The Science of Making Things	Learners must achieve a minimum of 6 credits from any of the groups C1, C2 and C3.

Qualification Units

Open Awards Entry Level Award in Science (Entry 2) (RQF)

Mandatory Unit Group A

Unit Reference Number	Unit Name	Credits	Level
L/650/3620	Science Investigation Skills	2	Entry Level Two

Option Group B1 – Biology

Unit Reference Number	Unit Name	Credits	Level
D/650/3437	Animals including Humans	3	Entry Level Two
F/650/3438	Feeding and Recycling Relationships in the Environment	3	Entry Level Two
D/650/3446	Human Health and Disease	3	Entry Level Two
F/350/3447	Plants	3	Entry Level Two
H/650/3448	Reproduction and Genetics	3	Entry Level Two
J/650/3449	Sex and Relationships	3	Entry Level Two
M/650/3450	The Human Body	3	Entry Level Two

Option Group B2 – Chemistry

Unit Reference Number	Unit Name	Credits	Level
R/650/3451	Atoms and Elements	3	Entry Level Two
T/650/3452	Chemicals and Chemical Reactions	3	Entry Level Two
Y/650/3453	Elements, Compounds and Mixtures	3	Entry Level Two
A/350/3454	Metals and Alloys	3	Entry Level Two
D/650/3455	Plastics and Polymers	3	Entry Level Two
F/650/3456	Rocks, Fossils, Minerals and Soil	3	Entry Level Two

Option Group B3 – Physics

Unit Reference Number	Unit Name	Credits	Level
H/650/3556	Electrical Circuits	3	Entry Level Two
J/650/3557	Electricity	3	Entry Level Two
K/650/3558	Energy	3	Entry Level Two
L/650/3559	Forces	3	Entry Level Two
Y/650/3561	Light	3	Entry Level Two
T/650/3560	Light and Shadow	3	Entry Level Two
A/650/3562	Sound	3	Entry Level Two

Open Awards Entry Level Certificate in Science (Entry 2) (RQF)

Mandatory Unit Group A

Unit Reference Number	Unit Name	Credits	Level
L/650/3620	Science Investigation Skills	2	Entry Level Two

Option Group B1 – Biology

Unit Reference Number	Unit Name	Credits	Level
D/650/3437	Animals including Humans	3	Entry Level Two
F/650/3438	Feeding and Recycling Relationships in the Environment	3	Entry Level Two
D/650/3446	Human Health and Disease	3	Entry Level Two
F/350/3447	Plants	3	Entry Level Two
H/650/3448	Reproduction and Genetics	3	Entry Level Two
J/650/3449	Sex and Relationships	3	Entry Level Two
M/650/3450	The Human Body	3	Entry Level Two

Option Group B2 – Chemistry

Unit Reference Number	Unit Name	Credits	Level
R/650/3451	Atoms and Elements	3	Entry Level Two
T/650/3452	Chemicals and Chemical Reactions	3	Entry Level Two
Y/650/3453	Elements, Compounds and Mixtures	3	Entry Level Two
A/350/3454	Metals and Alloys	3	Entry Level Two
D/650/3455	Plastics and Polymers	3	Entry Level Two
F/650/3456	Rocks, Fossils, Minerals and Soil	3	Entry Level Two

Option Group B3 – Physics

Unit Reference Number	Unit Name	Credits	Level
H/650/3556	Electrical Circuits	3	Entry Level Two
J/650/3557	Electricity	3	Entry Level Two
K/650/3558	Energy	3	Entry Level Two
L/650/3559	Forces	3	Entry Level Two
Y/650/3561	Light	3	Entry Level Two
T/650/3560	Light and Shadow	3	Entry Level Two
A/650/3562	Sound	3	Entry Level Two

Option Group C1 – The Science of Power

Unit Reference Number	Unit Name	Credits	Level
R/650/3622	Electrical Engineering	6	Entry Level Two
T/650/3623	Electrical Engineering Projects	6	Entry Level Two
Y/650/3624	How the World is Powered	6	Entry Level Two

Option Group C2 – The Mechanics of Making Things

Unit Reference Number	Unit Name	Credits	Level
H/650/3628	Mechanical Engineering	6	Entry Level Two
J/650/3629	Mechanical Engineering Projects	6	Entry Level Two
M/650/3630	The Mechanics of Making Things	6	Entry Level Two

Option Group C3 – The Science of Making Things

Unit Reference Number	Unit Name	Credits	Level
F/650/3654	Alloys and Metals, Polymers and Plastics	6	Entry Level Two
H/650/3655	Animal and Plant Products	6	Entry Level Two
J/650/3656	Chemical Sciences in the Home	6	Entry Level Two
K/650/3657	Minerals and Ores	6	Entry Level Two

Delivering this Qualification

Becoming a Provider

To deliver this qualification you must be a recognised Open Awards Provider. For more information, head to our website or contact the team on 0151 494 2072.

How to Deliver

You can deliver this qualification by completing a [New Qualification Request Form](#) via the Open Awards portal. For more information, see the Provider Handbook or contact the team on 0151 494 2072.

Registering Learners

Once you are ready to deliver this qualification, you will need to register your learners in line with the timescales below:

Short courses (15 weeks or less) within 25 working days of the course start date.
Full, year-long courses (over 15 weeks) within 60 working days of the course start date.

You will need to register your learners via the Open Awards [portal](#).

Quality Assurance and Standardisation

Delivery of this qualification must be done so in accordance with Ofqual regulatory guidelines and in line with Open Awards' quality assurance processes. Please see our website for more information.

Provider Staff Requirements

It is expected that Providers will have occupationally competent staff with relevant subject knowledge and/or sector experience for their role in the delivery of the units/qualifications being offered.

Providers are responsible for ensuring that their staff are occupationally competent and have access to appropriate training and support. They are also responsible for notifying Open Awards of staff changes.

Tutors should have the relevant subject knowledge at least a Level 2. Plus have knowledge and experience of delivering to a diverse learner needs requirements.

Assessment

Open Awards units and qualifications have been designed around the principle that the learner will build evidence towards the achievement of the assessment criteria over a period of time. Each learner is required to build a portfolio of evidence to demonstrate that all the assessment criteria associated with each unit has been met.

Tutors and assessors need to ensure that all evidence presented in a portfolio is:

Valid: it should clearly demonstrate the knowledge or skills that are set out in the assessment criteria. It should also clearly be the work of the learner.

Reliable: it will in general, produce the same range of responses from learners, as long as they are used in similar circumstances and with similar groups of learners.

Inclusive: so that no individual learner is excluded from the opportunity to show their achievement because of their individual background or experience.

Assessors are required to review and assess all learner evidence and must be satisfied that learners have achieved all learning outcomes and assessment criteria relating to the unit being assessed prior to deciding the learner has completed the unit. Assessors will also ensure that the evidence produced by the learner is their own work.

Assessors retain records (e.g. Feedback Sheets, Individual Progress Record, Group Progress Record) on behalf of the Provider which are made available and used by the Provider's Internal Quality Assurer and Open Awards' Quality Assurance Team.

This assessment methodology will enable providers to deliver the content in a way suited to their learners and their intended progression routes.

Training and support

Open Awards offers online training and support in Delivery and Assessment and Quality Assurance. These can be accessed, free of charge from the Open Awards [e-shop](#). An everlasting coupon (PLUC code) will be issued to each Provider to gain free access to our online Provider training courses.

Internal Quality Assurance (IQA)

All Providers delivering Open Awards provision must operate rigorous internal quality assurance systems. A Provider must identify how they will internally quality assure and standardise their delivery and assessment before delivering a course.

External Quality Assurance (EQA)

Provider approval compliance monitoring and external quality assurance is carried out by the Open Awards Quality Assurance Team / External Quality Assurers who will confirm that the Provider is assessing to standard and ensure that there are robust quality assurance systems embedded.

Standardisation

Providers are required to contribute to national standardisation as requested by Open Awards. Open Awards offers standardisation events that are held throughout the year. Such events will also provide an opportunity to identify and share best practice. Up to date details of training and standardisation events can be found on our website.

For further guidance on Quality Assurance and Standardisation, please refer to the [Provider Handbook](#).

Recognition of Prior Learning and Achievement (RPL)

RPL is a method of assessment that considers whether a learner can demonstrate that they can meet the assessment requirements for a unit through knowledge, understanding or skills they may already possess. Evidence of learning must be sufficient, reliable and valid.

It is the responsibility of the Provider to inform Open Awards at registration of any exemptions and/or equivalences for which a claim may be made. These claims will be subject to external quality assurance by the Open Awards Quality Assurance Team.

For more information, please see our Recognition of Prior Learning Policy found on the Open Awards [portal](#).

Resources and Equipment

The mandatory unit requires learners to demonstrate using science /laboratory equipment safely and effectively. Therefore, Providers will need access to appropriate equipment.

Health and Safety

Due to the practical requirements of some of the units within this qualification, Providers must ensure that appropriate risk assessments are in place for both the activities and individual learners to ensure learner and staff safety throughout the course. As part of this, Providers must ensure that learners and staff have access to suitable clothing and personal protective equipment (PPE) where appropriate.

Appendices and Links

Appendix Name
Provider Handbook
Enquiries, Complaints and Appeals Policy
Equality and Diversity Policy
Invoicing Policy
Privacy Policy

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