



# **Level 6 Certificate in STEAM Teaching and Learning for Primary Education Professionals**

## Qualification Specification

610/7140/7  
CertSTLPEPL626

March  
2026

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# 1. ABBE

## 1.1 Introduction

ABBE, the Awarding Body for the Built Environment, is a forward-thinking organisation that offers a range of qualifications, benefits and support.

ABBE is regulated by Ofqual for the delivery of a range of qualifications. Our qualifications are nationally recognised helping learners to achieve their full potential and ambitions.

The full range of qualifications can be found on our website at [www.abbqa.co.uk](http://www.abbqa.co.uk)

## 1.2 Mission Statement

**Our Values - Quality through Standards:** Our aim is to provide a high-quality experience by building a strong community of mutual support and trust. We can use our collective talents to build meaningful partnerships to help us all to achieve our goals. ABBE is a recognised Awarding Organisation with strong professional integrity.

**Our Vision:** Is that every learner is confident, successful and has the opportunity to achieve their full potential.

**Our Mission:** ABBE Educates, inspires and empowers learners

## 1.3 Qualification Specification

The aim of this specification is to provide learners and centres with information about the content of this qualification. This specification is a live document and, as such, will be updated when required.

## 1.4 Enquiries

Any enquiries relating to this qualification should be addressed to:

ABBE

Birmingham City University

Curzon Building

4 Cardigan Street

Birmingham

B4 7BD

Tel: 0121 331 5174

Email: [abbeenquiries@bcu.ac.uk](mailto:abbeenquiries@bcu.ac.uk)

Website: [www.abbqa.co.uk](http://www.abbqa.co.uk)



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## 2. Qualification Information

### 2.1 Qualification Purpose

This qualification is designed to enable to develop their knowledge, understanding and skills in STEAM principles and Practice in a classroom environment.

Learners will explore effective STEAM pedagogies that focus on creativity, collaboration, and problem-solving. They will be able to design cross-disciplinary, innovative learning experiences and understand the Design Thinking Process. They will explore the STEAM learner mindset and how STEAM attributes can empower pupils to be creative, critical thinkers, capable of shaping their own learning. Be able to design STEAM learning environments that are inclusive, creative, and dynamic and will gain the tools necessary to further their professional and personal development.

### 2.2 Who could take this Qualification?

This qualification is specifically designed for teachers and educators working with Key Stage 1 and 2 pupils and may be of interest to individuals seeking to further their understanding of STEAM and how they may incorporate it into their practice in an education context.

### 2.3 Qualification Number

ABBE Level 6 Certificate in STEAM Teaching and Learning for Primary Education Professionals: 610/7140/7

### 2.4 Qualification Level

This qualification has been listed on the Regulated Qualifications Framework (RQF) at: Level 6

### 2.5 Total Qualification Time

This qualification is allocated Total Qualification Time (TQT) this includes Guided Learning (GL) expressed in hours, which indicates the number of hours of supervised or directed study time and assessment. Credit has also been allocated to this qualification.

- The Total Qualification Time (TQT) for this qualification is: 150
- Guided Learning (GL) for this qualification is: 40
- Credit Value: 15 credits

### 2.6 Age ranges

Pre 16	No
16-18	No
18+	Yes
19+	Yes

### 2.7 Structure of the Qualification

To achieve this qualification, learners must achieve 3 mandatory units.

Mandatory Unit(s)				
Unit No.	URN	Unit name	Level	Credit value
1	Y/651/9763	Primary STEAM: Theory into Practice	6	5



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2	A/651/9764	Empowering and Engaging Learners through Primary STEAM	6	5
3	D/651/9765	STEAM in Action	6	5

## 2.8 Grading

This qualification is: Pass/Fail.



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## 3. Qualification Unit(s)

### Unit 1 – Primary STEAM: Theory into Practice

Unit reference Number: Y/651/9763

Level: 6

Credit: 5

GLH: 15

#### Learning outcomes:

1. Understand the challenges and opportunities in embedding STEAM pedagogies within the curriculum and suggest recommendations for overcoming barriers to successful implementation in primary STEAM education
2. Understand how to plan for and justify a sequence of STEAM-based teaching and learning experiences that integrate cross-disciplinary learning, STEAM principles and demonstrate an understanding of STEAM learner attributes including curiosity, creativity, collaboration, problem solving and innovation
3. Be able to design an integrated STEAM activity that links to real-world contexts, encourages purposeful cross-disciplinary thinking and values learners' cultural, social, and cognitive diversity



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## **Unit 2 – Empowering and Engaging Learners through Primary STEAM**

Unit reference Number: A/651/9764

Level: 6

Credit: 5

GLH: 15

### **Learning Outcomes**

1. Be able to design an enabling STEAM environment that supports a diverse range of learners and is underpinned by STEAM principles, pedagogies and learner attributes
2. Be able to plan STEAM activities that link to real-world contexts and value learners' cultural, social, and cognitive diversity and scaffold pupils' cognitive development whilst encouraging independent thinking and innovation
3. Understand how reflective practice can nurture metacognition, resilience, and learner confidence in problem-solving and can support assessment
4. Understand the use of Artificial Intelligence (AI) in STEAM education, its ethical implications and impacts on digital literacy and pupil engagement



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### **Unit 3 – STEAM in Action**

Unit reference Number: D/651/9765

Level: 6

Credit: 5

GLH: 10

#### **Learning outcomes:**

1. Be able to embed STEAM principles, pedagogies and learner attributes in interdisciplinary, real-world and problem-based STEAM projects and/ or practical activities
2. Understand the use of emerging technologies in STEAM education, their ethical implications and impact on digital literacy and pupil engagement
3. Understand the impact of interdisciplinary STEAM projects implemented in the classroom and how integrated emerging technologies support holistic learning
4. Understand how to reflect on and improve professional practice of teaching and learning in primary STEAM education
5. Be able to present knowledge of STEAM principles, pedagogies, learner attributes and design thinking, and practice



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**Head Office Address:**

ABBE  
Birmingham City University  
Curzon Building,  
4 Cardigan Street,  
Birmingham,  
B4 7BD

**Contact:**

Telephone: 0121 331 5174  
Email: [abbeenquiries@bcu.ac.uk](mailto:abbeenquiries@bcu.ac.uk)  
Website: [www.abbega.co.uk](http://www.abbega.co.uk)



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