PADMA ROBOTICS PROGRAMME — CERTIFICATE & TRANSCRIPT

Issuance pack · Awaken Innovation Lab

For the training centre. This document contains everything needed to issue a defensible completion record: the certificate template, the transcript, the wording you may quote, and the rules that keep the claim honest.

> **One rule governs everything below.** This is a **record of course completion**, not a regulated qualification. It must never be described as a Pearson award, an iGCSE equivalent, or a level. Every piece of wording here is written to survive that scrutiny. Do not improvise additions.

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1. What the student receives

Two documents, issued together:

DOCUMENT	FORMAT	PURPOSE
Certificate of Completion	A4 portrait, one page	The thing that goes on a wall
Transcript	A4 portrait, one or two pages	The thing a school or employer reads

The certificate proves attendance and completion. The transcript proves what was learned. A centre that issues only the certificate is selling a poster.

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2. Certificate of Completion

Printable template is generated in the library at **Print packs → Printable Certificate — Blank**. Fields in `[square brackets]` are completed by hand or overprinted. The blank printable is supplied separately as `padma-certificate-blank.pdf`; the copy at the front of this pack is the completed example.

⟨certificate layout — print A4 portrait⟩

AWAKEN INNOVATION LAB

Certificate of Completion

Padma Robotics Programme

This certifies that

[STUDENT NAME]

has completed three terms of study — Signals, Rules and Autonomy — totalling approximately 54 hours of instruction, and has designed, built and tested a working line-following robot.

In doing so, the student has evidenced secure competence in computational thinking, programming and physical computing at the standard expected of an 11–14 computing curriculum.

Date of completion	[DD MONTH YYYY]
Certificate number	[PA-YYYY-NNNN]

Programme Lead	_____
Centre Director	_____

A record of course completion. Not a regulated qualification and not equivalent to any awarded Pearson qualification.

Wording rules for the certificate

✅ MAY SAY	❌ MUST NOT SAY
"Certificate of Completion"	"Certified", "Accredited", "Awarded"

✅ MAY SAY	❌ MUST NOT SAY
"has completed three terms of study"	"has achieved Level 2"
"evidenced competence at the standard expected of an 11–14 curriculum"	"iGCSE standard", "iGCSE equivalent"
"Padma Robotics Programme"	"Pearson Programme", unless licensed
"designed, built and tested a working robot"	"qualified robotics technician"

The footer line is not optional. It is the sentence that protects both the centre and Awaken if a parent later asks what the certificate is worth.

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3. Transcript

A4 portrait. One page per student. Filed with the certificate; a copy stays at the centre.

Header

Student	_____
Certificate number	PA-_____-_____
Centre	_____
Terms completed	☐ 1 Signals ☐ 2 Rules ☐ 3 Autonomy
Dates	___ / ___ to ___ / ___

Descriptor record

Mark each row **S** (secure), **D** (developing) or **E** (emerging). Only mark a descriptor that was actually assessed — an unmarked row is honest; a generous mark is not.

Computational thinking

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
CT1	Decompose a problem into parts small enough to build and test separately	T3 W10	
CT2	Design a sequence of precise instructions producing a specified outcome	T1 W3	
CT3	Recognise repetition and pattern and represent it compactly	T1 W6–7	

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
CT4	Use abstraction to hide detail that is not needed	T2 W7	
CT5	Evaluate a solution against stated criteria and refine it	T2 W10	
CT6	Reason about cause and effect before running	T3 W6	

Programming and development

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
PD1	Construct a program using sequence with correct order and parameters	T1 W2	
PD2	Use events to control program flow	T1 W4	
PD3	Use iteration, counted and conditional	T3 W5	
PD4	Use selection, including nested and compound conditions	T2 W1–3	
PD5	Declare, update and display variables	T2 W5	
PD6	Create and call functions, including with parameters	T2 W8	
PD7	Test systematically and debug using an isolation method	T3 W9	
PD8	Document a program so another person can use or rebuild it	T3 W10	
PD9	Create a list, add to it, read by position, and use it to hold a record	T3 W9	

Notation

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
CF1	Draw a flowchart representing a sequence, using standard symbols	T1 W2	
CF2	Draw a flowchart containing a decision	T2 W3	
CF3	Draw a flowchart containing a loop, using a back-arrow	T1 W5	

Data and systems

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
DS1	Identify input, process and output in a system	T3 W1	
DS2	Use sensors to capture data about the physical world	T3 W7	

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
DS3	Control an actuator from a program	T3 W1	
DS4	Calibrate a system and justify threshold values	T3 W2	
DS5	Explain and implement a feedback control loop	T3 W8	
DS6	Diagnose a fault across code, hardware, power and environment	T3 W9	

Communication

CODE	DESCRIPTOR	ASSESSED IN	S / D / E
CM1	Explain a design decision to a listener in their own words	T1 W10	
CM2	Work in defined roles and hand over responsibility	T2 W9	
CM3	Produce documentation for a named audience	T3 W10	

Summary

Descriptors secure	___ / 27
Descriptors developing	___ / 27
Descriptors not yet evidenced	___ / 27

Evidence held on file

Tick what the centre retains. A transcript without evidence is a claim; with evidence it is a record.

- [ ] Engineering notebook (three terms)
- [ ] Six-row bug log — T1 W9
- [ ] Decision table and gate truth table — T2 W1–3
- [ ] **Four-state table, hand-written — T2 W3**
- [ ] Test table with boundary values — T2 W10
- [ ] Trim drift table — T3 W2
- [ ] Fault log, five faults — T3 W9
- [ ] Service card — T3 W10
- [ ] Course video, 90 seconds — T3 W10
- [ ] **Flowchart of the square — T1 W2**
- [ ] **Four-state flowchart — T2 W3**

Next step

> ☐ Recommended for **Bridge to Text** (text-based programming, iGCSE preparation) ☐ Recommended for the **Robotics Club** (GPIO expansion projects) ☐ Continuing to the next intake

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4. Issuance rules

Who signs. Programme Lead and Centre Director. Two signatures, always — a single-signature certificate is trivially forged.

Serial numbers. `PA-YYYY-NNNN`, sequential per centre, recorded in a register. The register is the only thing that makes a replacement possible.

When to issue. After the Term 3 showcase, and only when the student has:

- completed all three terms, and
- completed the course **eight times out of ten**, and
- a transcript with at least **18 of 27 descriptors** marked secure.

When not to issue. If the student missed more than four teaching weeks in any term, issue an **Attendance Record** instead, with the transcript marked accordingly. Do not issue a completion certificate for a partial course — it devalues every other certificate in the room.

Replacements. One replacement, marked "Replacement" on the face, on written request, verified against the register.

Retention. Keep the register and one copy of each transcript for five years.

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5. What this certificate does not certify

Print this in the staff handbook, not on the certificate.

- It is **not** a Pearson qualification, and no Pearson descriptor code appears on it.
- It does **not** entitle the holder to enter an iGCSE examination.
- It does **not** certify competence as a robotics technician.
- It does **not** transfer between centres unless the issuing centre's register can be verified.

If a parent asks "what is this worth?", the answer is:

> *"It records that your child completed a three-term course and can evidence skills at the level expected of an 11–14 computing curriculum. It prepares them to begin a text-based programming course. It is not a qualification."*

That answer is short, true, and survives being repeated in a WhatsApp group.

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6. If the client wants something stronger

They will ask. The honest options, in ascending order of what they cost:

OPTION	WHAT IT TAKES	TIMELINE
Internal certificate (this pack)	Nothing	Now
External moderation by a partner school or university	An agreement, a sample of work	1–2 months
Pearson approval as a centre	Application, inspection, fees	6–12 months
Pearson iLowerSecondary / iGCSE entry	Approved centre status + qualified teachers	12+ months

Say this plainly: a certificate that takes three days to produce is worth three days of trust. A certificate that claims a qualification takes eighteen months to build and one afternoon to destroy.

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7. Handover checklist for the centre

- [ ] Certificate template printed on card stock, 250 gsm
- [ ] Transcript printed on A4, one per student
- [ ] Serial register opened (spreadsheet is fine)
- [ ] Two signatories confirmed and available at the showcase
- [ ] Evidence folders assembled **before** the showcase, not after
- [ ] Staff briefed on the wording rules in §2 and §5
- [ ] A single sentence prepared for the parent who asks "what is this worth?" — §5
