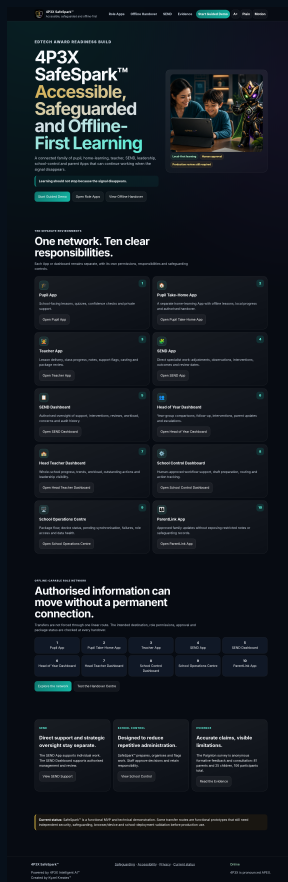


4P3X SafeSpark™

Accessible, Safeguarded and Offline-First Learning

A connected family of ten separate pupil, home-learning, teacher, SEND, leadership, school-control, operations and parent environments designed to remain useful when the signal disappears.



Learning should not stop because the signal disappears.

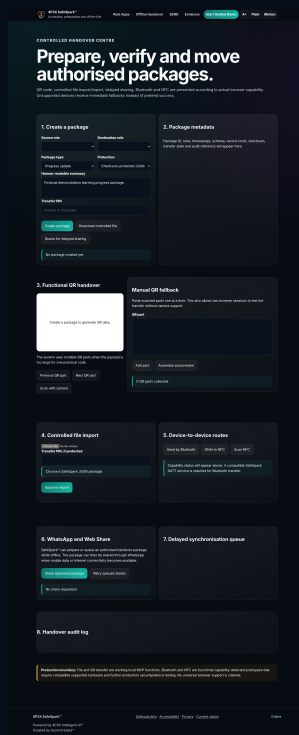
One architecture. Ten separate responsibilities.

Each App or dashboard remains separate, with its own permissions, responsibilities and safeguarding controls.

1. Pupil App	School-facing lessons, quizzes, confidence checks and private support.
2. Pupil Take-Home App	Separate offline home learning, local progress and authorised handover.
3. Teacher App	Lesson delivery, class progress, notes, support flags, casting and package review.
4. SEND App	Direct specialist adjustments, observations, interventions and reviews.
5. SEND Dashboard	Authorised oversight, workload, status, missing actions and audit.
6. Head of Year Dashboard	Year-group comparison, follow-up and parent communication status.
7. Head Teacher Dashboard	Whole-school progress, support trends, workload and outstanding actions.
8. School Control Dashboard	Human-approved workflow preparation, routing and action tracking.
9. School Operations Centre	Package flow, pending synchronisation, failures, access and data health.
10. ParentLink App	Approved family updates without restricted staff or safeguarding information.

The Pupil Take-Home App is not a mode inside the Pupil App. The SEND App is not the Teacher App. The SEND Dashboard is not the SEND App.

Prepare, verify and move authorised packages.



Working local package controls

Controlled file export/import, SHA-256 integrity, preview, approval, duplicate prevention, multi-part QR and local audit.

Capability-detected prototypes

Bluetooth and NFC appear only when supported. Unsupported devices receive QR and file fallbacks rather than fake success.

WhatsApp: SafeSpark™ can prepare or queue an authorised handover package while offline. The package can then be shared through WhatsApp when mobile data or internet connectivity becomes available.

No automatic sharing occurs without user approval.

Direct support and strategic oversight remain separate.

SEND App

Supports authorised direct work: needs, reasonable adjustments, strategies, observations, interventions, outcomes, notes, review dates and escalation.

SEND Dashboard

Provides management visibility across supported pupils, interventions, review dates, outcomes, emerging concerns, missing actions, patterns, workload and audit history.

School Control: designed to reduce repetitive administrative work

The School Control Dashboard organises incoming information, routes tasks, prepares draft summaries, flags incomplete records, detects duplicate package IDs, schedules reviews and tracks approval. Staff retain professional judgement and can reverse demonstration actions.

Before	With SafeSpark™
Repeated copying	Authorised routing
Manual parent summaries	Draft preparation
Late missing-action discovery	Missing-information flags
Separate report locations	Human approval and audit

Boundary: SafeSpark™ supports authorised staff workflows. It does not replace professional judgement, safeguarding responsibility or human approval.

81 parents + 25 children = 106 participants

4P3X SafeSpark™ was informed by an anonymous founder-led feedback and consultation survey conducted on Paignton seafront involving 106 participants: 81 parents and 25 children.

No names, contact details or identifying information were collected because children were involved and the survey was intentionally anonymous.

The consultation helped shape priorities around accessibility, safeguarding, offline learning, home-to-school communication and support for pupils with different learning needs.

Feedback and consultation Completed: Paignton	User testing Not claimed for Paignton
Structured validation Future controlled work	Formal independent research Not completed

Classification: Anonymous formative feedback and consultation.

It is not formal independent research, a controlled product trial or a completed school pilot.

Designed around boundaries, choice and human control.

Safeguarding-by-design

No public pupil chat, pupil-to-pupil messaging, stranger contact, unrestricted browsing, uncontrolled downloads, open social feed, public pupil profiles or unauthorised sharing.

Choose the way you learn best

Keyboard navigation, visible focus, adjustable text, reduced motion, read-aloud, replay, plain language, pacing choices, confidence checks, responsive targets and non-colour-only statuses.

Safeguarding-by-design principles are built into the MVP and will undergo formal independent review before production school deployment.

The platform does not claim formal safeguarding certification or completed WCAG conformance. Independent review and assistive-technology acceptance remain production gates.

Built under constraint, improved through iteration.

4P3X SafeSpark™ began under unusually constrained circumstances. Founder Ciaran Kelly had no prior formal background in software development, EdTech or product engineering, no conventional technical team, no external funding and initially only a basic smartphone to work with.

Those limitations led to the creation of 4P3X AI™, an intelligent creation and orchestration system designed to identify the skills and knowledge required for a project, organise research, support architecture, assist development, test features, identify faults and improve builds through repeated iteration.

SafeSpark™ became one of the clearest demonstrations of that approach: one self-taught founder using intelligent technology to progress from an education idea to a functional multi-role platform.

This story is evidence of persistence and an unusual build method. It is not presented as a claim that AI replaces educators, safeguarding experts, security specialists or formal professional review.

Accurate now. Ambitious next.

Status A — Working now Ten routes, local package logic, file import/export, QR generation/assembly, checksums, duplicate blocking, audit and human-approved workflow demonstrations.	Status B — Functional prototype Bluetooth, NFC, camera scan, PIN protection and delayed share routes require physical-device and production validation.	Status C — Planned Formal DPIA, independent safeguarding/security review, production identity/backend, school configuration and measured pilot outcomes.
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Next-stage pilot plan

- Independent safeguarding, privacy, accessibility and technical review.
- Controlled school configuration, consent and data minimisation.
- Android phone/tablet and supported/unsupported transfer-device matrix.
- Measured task completion, reliability, parent understanding and staff workflow study.
- Educational outcome claims only after pre-agreed, reviewable measurement.

Powered by 4P3X Intelligent AI™
Created by Kyzel Creates™