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PupilPulse

Teacher Features & How-To Guide

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pupilpulse.co.uk | hello@pupilpulse.co.uk | Powered by Purple Computing

GETTING STARTED

Welcome to PupilPulse

PupilPulse is an AI-powered pupil observation and reporting app built for UK teachers. It runs entirely in your browser with no installation and no account required. All pupil data is stored locally on your device. The AI report feature uses a secure proxy — pupil names are never sent to the AI; a placeholder token is used and replaced after generation.

Optional features (Pod Auto-Sync, Headteacher Hub, Encrypted Cloud Backup) involve encrypted data exchange, but no plain pupil data is ever visible to Purple Computing.

To get started: Open pupilpulse.co.uk/app.html in your browser. On iOS, tap Share → Add to Home Screen for a native app feel. Enter your school access code in Settings → AI & School Code to unlock AI features. Then tap **+ Add Class** to create your first class.

AT A GLANCE

Quick Reference

What you want to do	Where to find it
Add a voice observation	Tap the microphone button on any class screen
Generate a report	Reports tab → select class/pupil → Generate AI Report
Take the register	Open a class → Register button
Set up parent portal	Pupil profile → Generate Access Code
Publish to parent portal	Pupil profile → Publish to Portal (auto after report gen)
View parent absence notes	Register screen (flag icon by pupil name)
Sync with your TA (Pod Auto-Sync)	Settings → Pod Auto-Sync → Show QR Code
Sync with your TA (manual)	Settings → Share Class → Copy Class PIN
Enable Headteacher Hub	Settings → School-wide Dashboard → Headteacher Hub toggle
Export / backup data	Settings → Data & Backup
Set app PIN lock	Settings → App Lock
Year-end transition	Open class → tap Year-End button

FEATURE GUIDE

All Features Explained

■ Voice Observation Notes

Tap the floating purple microphone button from any class screen and speak naturally — for example: *"Emilia did great work on fractions today, four stars."* PupilPulse uses fuzzy name matching to identify the correct pupil, extracts any star rating you mention, and applies AI correction to clean up the transcript before saving. You can add tags (Academic, Behaviour, SEND, etc.) and edit the note before confirming. If voice is unavailable, the Quick Note button lets you type instead.

Tip: Mention the pupil's first name clearly at the start. Say "no stars" to explicitly record zero.

■ AI Report Generation

Go to the Reports tab, select a class and optionally a specific pupil (or "All Pupils" for a batch). Select the term and tap Generate AI Report. Each report is produced in three formats: Full Report (250–350 words, professional UK school style), MIS Version (plain text for your management system), and Parent Letter (warm, accessible language). All three are editable in-app before you copy or export.

Tip: The more notes you have recorded, the richer the report. Aim for at least five observations per pupil per term for best results.

■ Scores & Assessment

Open a class and tap a pupil's name. The profile shows their current score card. Tap Add Score to log a reading age, standardised score, or subject mark. Scores appear in the report and are visible in the parent portal. You can record multiple score types per pupil.

■ Register / Attendance

Tap Register from any class screen. Swipe right on a pupil to mark them present, left to mark absent. The app tracks attendance across terms. Parents can submit absence notes via the portal, which appear as flags on your register. Attendance data feeds into AI reports automatically.

■ Parent Portal

Open a pupil profile and tap Generate Access Code. An 8-character code (e.g. ABCD-EFGH) is created. Share this with the parent — they visit portal.pupilpulse.co.uk and enter it to view: the latest AI report, term attendance figures, assessment scores, and observation count. Parents can report absences with a short note. All portal data is encrypted on your device with AES-256 before upload — the access code is the only decryption key. Tap Revoke to invalidate immediately.

Tip: If a parent loses their code, revoke it and generate a new one — the old entry is deleted immediately.

■ Encrypted Cloud Backup

Your data backs up automatically every 7 days once a school code is active — no action needed. To back up manually, go to Settings → Data & Backup → Backup. The backup is AES-256-GCM encrypted on your device using your school code before upload — Purple Computing cannot read it. To restore, enter your school code and tap Restore on a new device. You can also export data as a CSV or printable HTML from the same screen.

Tip: Complete a manual backup before year-end transition or handing in a device.

■ Pod Auto-Sync (Teacher ↔ TA) NEW

Pod Auto-Sync keeps your device and your teaching assistant's device automatically in sync — no tapping required after setup. Once connected, pupils, notes, scores, and attendance stay up to date on both devices in real time, even if you're on different WiFi networks or mobile data.

How to set up:

1. Go to **Settings** → **Pod Auto-Sync** and tap **Show QR Code**.
2. Your TA opens PupilPulse, goes to Settings → Pod Auto-Sync, and taps **Scan QR Code**.
3. The TA scans the QR code shown on your screen. Both apps connect automatically.
4. A green dot in the navigation bar confirms the Pod is connected.

You only need to scan once — the connection re-establishes automatically each time both apps are open. Tap **Sync Now** in Settings to force an immediate sync at any time.

Security: Pod Auto-Sync uses encrypted WebRTC (peer-to-peer). Your class data travels directly to the TA's device — it is never stored on any server. The QR code creates a unique encrypted channel between your two devices only.

■ Headteacher Hub (School-wide Dashboard) NEW

The Headteacher Hub gives the headteacher a live overview of what every class is doing — attendance, current activity, and class status — all from within PupilPulse. It is disabled by default and must be enabled by each teacher in Settings.

To enable: Go to **Settings** → **School-wide Dashboard** and switch on **Headteacher Hub**. Once enabled, a Hub tab appears in your navigation bar.

What the Hub shows: The headteacher can see which classes are in session, current attendance figures, and each teacher's active task label. It does *not* show individual pupil names, observation notes, or scores.

Security: Hub snapshots are encrypted on your device before being sent to a short-term cloud store. The headteacher's app decrypts them locally using the school access code. Purple Computing cannot read the snapshots. They auto-delete after 24 hours.

■ Manual WiFi Sync (Class PIN)

If you prefer not to use Pod Auto-Sync, you can sync your class with a TA using the manual Class PIN. Go to Settings → Share Class and copy the class PIN. Your TA opens PupilPulse on their device, taps Settings → Join Class, and enters the PIN. The sync happens once over your local WiFi and the connection closes automatically. Use Sync Now to pull or push the latest data.

Note: Manual sync requires both devices to be on the same WiFi network and requires both people to initiate. Pod Auto-Sync is recommended as it works anywhere and is always on.

■ PIN App Lock

Set a 4-digit PIN in Settings → App Lock. The app locks automatically when you switch tabs or minimise the browser. Your TA uses their own device access — they do not need your PIN. Change your PIN at any time from Settings. If you forget your PIN and need to reset it, you'll need to clear the browser's site data — ensure you have a cloud or local backup first.

Tip: On a shared school device, always set a PIN. On a personal device with its own screen lock, it's optional but recommended.

■ Year-End Transition

Open a class and tap the Year-End button. Three options: **Promote** — moves all pupils to a new class with full history intact; **Archive** — freezes the class as a read-only historical record; **Graduate** — marks pupils as leavers and removes them from the active view. A full JSON backup is automatically downloaded before any transition. To hand a class to a colleague, promote into a new class and share the downloaded backup with them.

Tip: Always save the auto-downloaded backup file before closing the confirmation dialog.

■ Settings Overview

Settings Section	What's there
AI & School Code	Enter your school access code and Anthropic API key
App Lock	Set / change your 4-digit PIN lock
Pod Auto-Sync	Enable/disable Pod sync, show QR code, sync status
School-wide Dashboard	Toggle Headteacher Hub on/off
Data & Backup	Manual backup, restore, CSV export, HTML export
Share Class	Copy manual Class PIN for TA
Notifications	Enable/disable in-app alerts

PRIVACY & DATA

Data Protection at a Glance

Data type	What happens to it
Pupil names, notes, scores, attendance	Stored only on this device (browser IndexedDB). Never sent to any server in plain text.
Pod Auto-Sync data	Travels directly to the TA's device via encrypted WebRTC (DTLS). Never stored on any server. Requires shared class QR code to connect.
Headteacher Hub snapshots	Contains attendance status + activity label only (no names or notes). Encrypted on device with AES-256-GCM before upload to Cloudflare KV. Auto-deleted after 24 hours. Purple Computing cannot read it.
Encrypted cloud backup data	Encrypted on device with AES-256-GCM before upload. Only decryptable with your school code. Purple Computing cannot read it.
AI report generation	Observations sent to Anthropic API. Pupil names replaced with a [PUPIL] placeholder token before transmission. Anthropic does not train on API data and does not retain it.
Parent portal content	Encrypted on device before upload. Access code is the only decryption key. Purple Computing cannot read the contents.
Parent absence reports	Anonymous — only a cryptographic hash of the access code is stored alongside the date and note.

Who is the data controller? Your school. Purple Computing Ltd acts as a data processor under Article 28 UK GDPR. A Data Processing Agreement (DPA) and DPIA template are available free of charge on request.

For a full Data Processing Agreement (DPA), DPIA template, Privacy Notice template, and Procurement FAQ, contact hello@pupilpulse.co.uk. Provided free of charge to all schools. These documents cover UK GDPR and the Data Protection Act 2018.

Need help? Contact Purple Computing

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