

Technical overview of the school tools

ppnc.eu and the subdomains listed below · Mark Popenco, European School Alicante · status 7 October 2026

All 10 addresses listed below belong to one hosting account (its domain list) (host: Uberspace, Germany). Plain HTTP is redirected to HTTPS; the connection uses TLS 1.3 with certificates from Let's Encrypt.

Loaded in a real browser, the start pages of the 10 addresses make 0 requests to other servers, set 0 cookies and send 0 data to the server.

Without a password, kuk and the timetable page on vigilancias answer 401 (access denied); on vtq, generating and saving files without the access code answer 403; the learning portal has no user accounts and no names (privacy notice).

The learning portal keeps language and learning progress only in the browser on the own device (privacy notice); kmk processes pupil data only in the browser (privacy notice); bac works entirely in the browser (privacy notice).

1. Websites

Address	What it is (its own words)	Password (measured)	Data (its privacy notice)
learning.ppnc.eu (also sus.ppnc.eu)	Learning portal for physics and maths along the syllabus: learn, practise, test; measured: topics for S4, S5, S6 and S7 in maths and in physics	none on the start page	no user accounts, no names; language and learning progress only in the browser on the own device
kuk.ppnc.eu	B-test model solutions: teaching and exam materials for teachers	yes: one shared password (one account)	no cookies, no user profiles
kmk.ppnc.eu	KMK equivalence certificate 2026, generated as a DOCX file	none on the start page	pupil data (names, birth dates, grades) only in the browser; personal data never leaves the device
bac.ppnc.eu	BAC calculator	none on the start page	works entirely in the browser; only the language is stored locally, the marks only if the user switches it on
vtq.ppnc.eu	Viatique generator: generates Viatique XML files	start page open (200); generating and saving need an access code (403 without it); the collection page and the archive each ask for their own password; their files answer 403 without it	stored on the server: only the exam structure (task numbers, points) and naming details; no personal data

Address	What it is (its own words)	Password (measured)	Data (its privacy notice)
vigilancias.ppnc.eu	Timetable, EE Alicante: secondary school, school year 2026/2027	yes: on the plan page (401 without it)	teachers appear only under a pseudonymous code (L000–L999), never by name; at present only one timetable is online, that of the person responsible; the timetable of all teachers only after agreement with the school management
game.ppnc.eu	EU-Jump: retro jump'n'run through the 27 member states of the EU, for lower secondary	none on the start page	game state stored locally on the device (privacy notice of ppnc.eu)
ppnc.eu	page with two games and a voluntary contact form	none on the start page	no cookies, no tracking; measured: the contact form sends an e-mail
praesi.ppnc.eu	presentation “Create, check, connect.”, also as a PDF	none on the start page	no cookies, no tracking, no forms; loads nothing from third-party servers

2. Hosting and security

Item	Finding
Host	Uberspace, server address registered in Germany; all 10 addresses in the domain list of one hosting account; the host offers a data-processing agreement (Art. 28 GDPR), according to the host
Encryption	HTTP is redirected to HTTPS with status 308 on all 10; TLS 1.3 and certificates from Let's Encrypt on all 10
Security headers	the start pages of all 10 send content security policy, HSTS, nosniff, noindex and no-referrer
Server logs	according to the host, every request is logged, with the IPv4 address shortened to its first 16 bits; oldest access entry on 6 October 2026: 10.3 days old; all 8 privacy notices state about 11 days in all 4 languages (vtq since 7 October 2026)
Contact form	the IP address itself is not stored (privacy notice); the rate limit uses a 16-character hash of the IP with a key that changes daily; a job every 30 minutes deletes the counter file once it is unchanged for more than 60 minutes
Server software	one PHP file in the web folders of the school sites, the contact form (PHP 8.4.23); one running application: vtq (Python 3.14.7, Flask 3.1.3)
Leftover files	0 helper scripts, system or backup files among the 2,188 files in the web folders of the school sites

3. Measured privacy check

Start pages of the ten addresses in an automated browser, loaded without clicks	Result
Requests to other servers	0
Cookies set	0
Data sent to the server (POST)	0

Start pages of the ten addresses in an automated browser, loaded without clicks	Result
Browser storage written while loading	a language key on kuk and vigilancias; nothing on the other 8

4. Software in the websites

The start pages of the 10 addresses load nothing from other servers; the licence files of KaTeX and of the fonts and the Chart.js file are served from learning.ppnc.eu itself.

Formulas: KaTeX 0.16.11 (MIT licence). Fonts: Fraunces and Libre Franklin (SIL Open Font License 1.1). Licence text next to the fonts: on learning, kuk, kmk, ppnc.eu, bac, vigilancias and praesi; on vtq since 7 October 2026.

Chart.js 4.5.1 (MIT, licence in the file header), three.js (MIT, licence in the file header), SheetJS 0.18.5 on kmk (Apache 2.0, licence file) and flag icons in the game (MIT, licence file).

Worksheets and tests: 728 LaTeX files in the worksheet repository, built with TeX Live 2026.

5. Tools used to build the material

Tool	Measured
Computer	Mac mini, Apple M6, 32 GB; FileVault disk encryption on; the logs of the check-suite runs are on it
AI assistant	Claude Code 2.1.292 installed; 194 of the last 200 commits of the ppnc-eu repository name Claude as co-author, with an anthropic.com address; Anthropic is based in the USA (according to Anthropic)
Translation model	EuroLLM-22B, downloaded from hf.co, run with Ollama 0.34.4 on the Mac; listens only on the Mac itself (localhost); named by 4 translation scripts of ppnc-eu
Version control	GitHub, Inc. (USA): 7 repositories, all private; no real names of teachers in the timetable repository: the sources with names stay on the Mac (excluded from version control, a pre-commit check blocks names), and a local script replaces every name by a pseudonymous code before anything is published (searched: folder quellen/, plan.html, konfiguration.json: 0 files, 0 in the history)
Checks	last run of the check suite logged on the Mac (6 October 2026): 299 checks, 0 failed; Python 3.14.5, Node.js v24.18.0, Playwright 1.60.0
Documents	pandoc 3.11, LuaTeX (TeX Live 2026)

6. Open points

- The legal notice names one responsible person: Mark Popenco.
- US companies in the chain: GitHub (code and teaching material, 7 private repositories), Anthropic (AI assistant) and Let's Encrypt (certificates).
- The host's snapshots dated 23 August to 5 October 2026 still contain deleted data: the database of the former progress service and older timetable pages; the host keeps up to 7 weekly snapshots (according to the host); the host answered on 7 October 2026 that snapshots cannot be edited and expire after 7 weeks, so the last copy is gone on 23 November 2026.

Prepared by Mark Popenco, status 7 October 2026. Marked “its own words”, “privacy notice” or “according to ...”: what the site or provider says about itself; everything else was measured. Raw evidence and measuring scripts on request.