PRINCE TECHNOLOGIES CORPORATION

COMPLETE EDITION
NOVEMBER 2026



100% FILIPINO-MADE · RUNS ON AWS

Sophie

LEARNING OS

Where Philippine education runs.

One platform to teach, assess and administer — with security as the floor and AI that answers to the teacher.

TEACH · ASSESS · ADMINISTER · COMPLY

SOPHIE COMPLETE EDITION

THE PLATFORM

Every foundation, built in.

Sophie is a managed cloud Learning OS for schools, universities and school groups. Hosting, security, data protection and accessibility are part of the platform — never sold back to you as add-ons.

Managed cloud on AWS

Runs on Amazon Web Services infrastructure. Hosting, scaling and updates are handled for you — no servers to run, no upgrade weekends.

Backed up and monitored

Daily backups and monitored availability come with the service, so continuity is the platform's job — not another line in your IT budget.

Isolated at the database

Encryption in transit and at rest, with every institution's data isolated at the database itself — not by application code that could be bypassed.

Built for real connections

Resumable uploads and offline course content, so a dropped connection on a phone or a slow line never means starting again.

Accessible by design

Interfaces built to WCAG 2.1 AA, with closed captions and per-student exam accommodations included.

Data protection, built in

Erasure on request, subject-access assistance and a field-level audit log — aligned to the Data Privacy Act (RA 10173), GDPR and FERPA.

OPEN STANDARDS, IN AND OUT

OneRoster · SCORM · Common Cartridge · QTI · xAPI · LTI 1.3 · CASE / OpenSALT · OIDC / SAML

SINGLE SIGN-ON, BUILT IN

Google Workspace · Microsoft · Apple · Clever · ClassLink · any OIDC / SAML provider.

One platform. One complete learning experience.

Bring teaching, learning, assessments, and administration together with SOPHIE Learning OS. One unified edition designed to support your institution’s learning needs.

SOPHIE
COMPLETE EDITION



THE PORTALS

One school. A view for everyone in it.

Three portals — Teacher / TA, Student / Observer and Administrator — each built for its role. Parents follow their child through the Student / Observer portal. All run in the browser on a laptop in class or a phone on the jeepney, with nothing to install.

Teacher portal

FACULTY & TEACHING ASSISTANTS

- Course builder — modules, content pages, embedded media, weighted assignment groups
- Live classes on your own Zoom, Teams, Meet, BigBlueButton or Jitsi accounts — recording and automatic attendance
- Roll a course into a new term in minutes; per-student exam accommodations
- Live gradebook with reusable rubrics and batch import; peer review and anonymous marking
- Lesson planning and observations; outcomes, discussions and class analytics
- **Sophie AI** drafts lessons, quizzes and rubrics from your material — a teacher approves every output

Student portal

BASIC ED TO COLLEGE

- A personal home page — what's due, announcements, attendance and grades
- Timed quizzes that save answers automatically, so a dropped signal loses nothing
- Messaging, live classes, and a calendar that syncs to Google, Outlook or Apple
- Coursework, videos, assignments and quizzes in every course
- Full transcript with GPA, plus a what-if grade calculator
- Installable web app with offline course content — any phone, tablet or computer

Parent access

PARENTS & GUARDIANS AS OBSERVERS

- Follow a child's progress as it happens — no waiting for report card day
- **Read-only and scoped to their own child** — they see nothing else in the school
- Grades, attendance, calendar and quiz scores in one view
- Linked to their child by the school; signs in through the Student / Observer portal, on any phone

Role-based by design. Each portal shows only what that role is permitted to see.

One account per person. Single sign-on with your school's identity provider.

Plus the Administrator portal for registrars and IT — see page 04.

All three portals and parent access are part of SOPHIE Complete Edition. Conferencing accounts such as Zoom or Teams are your institution's own.

BUILT FOR PHILIPPINE SCHOOLS

Grades the way Philippine schools grade.

Sophie ships with the grading rules Filipino registrars already use — so a school goes live without rebuilding its transmutation tables in a spreadsheet.

GRADING-SCALE TEMPLATES, BUILT IN

DepEd DO 8, s. 2015
Written Work, Performance Tasks and Exams, weighted per quarter

DepEd DO 015 — SY 2026–27
The new transmutation table, plus a no-conversion version for SY 2027–28 onward

Base 50 for college
Prelim, Midterm and Finals periods on the 1.00–5.00 scale

Your own rules
Set per school or per course, with explicit rounding and decimals

Reports the registrar runs every term

- Gradebook export and student transcript with GPA, standing and honors eligibility
- Attendance summary and enrollment roster
- Outcome mastery and rubric results
- Every report in **Excel, PDF or CSV**, on demand

Academic integrity, in one view

- A case pipeline — flagged, under review, resolved, dismissed
- Similarity checks on submitted work, with a school-set honor code
- Per-attempt quiz review of tab switching, IP and device signals
- Misconduct statistics that never export case evidence

Run every campus from one console

- Institution, campus and department accounts, nested as you are organized
- Course lifecycle — draft, published, active, completed, archived
- Terms, sections, grading periods and bulk enrollment

Your school's website, included

- Design public pages in the console; publish when ready
- Every publish kept as a numbered release
- Daily analytics on enrollment, grades, attendance, mastery and engagement

One edition. Everything your institution runs on.

Teach & assess
EVERY CLASSROOM

- Courses, content, assignments, quizzes and gradebook, end to end
- **Secure proctored exams** — lockdown, proctoring, integrity evidence
- Discussions, announcements, messaging with search
- Course analytics — grades, attendance, outcomes
- Teacher, Student and Administrator portals plus parent access, mobile-first, multi-language
- **Live classes** on your own Zoom, Teams, Meet, BigBlueButton or Jitsi
- Blind marking, live exam monitoring, plagiarism checks and misconduct cases

Administer & scale
EVERY CAMPUS

- Campus setup, roles, branding, audit log
- SSO, SIS import and grade passback, API keys, webhooks
- Lesson planning, observations, coverage reporting
- **Registrar** — degree audit, transfer credit, waitlists
- Content migration — SCORM, Common Cartridge, QTI, xAPI
- Custom dashboards, at-risk alerts, scheduled reports

AI & integration
EVERY INSTITUTION

- **AI authoring and tutoring** — teacher-reviewed, credit-metered
- Predictive insight — risk weighting, predicted grades, adaptive paths
- **LTI 1.3** external tools with privacy controls
- Accreditation evidence, cohort tracking
- Institution-group administration and monitoring
- Impersonation kill switch, encrypted archives

Activated with you during onboarding
SSO, lockdown exams, proctoring, support access and large-file upload are switched on with your team, so configuration and audit trails are right from day one.

Data-protection review, by design
Features that send data to an external AI provider, or carry a formal privacy obligation, need written data-protection approval before activation — a deliberate safeguard.

Scoped with you in your proposal
Implementation, data migration, custom integrations, storage volume, AI usage credits, and third-party services — such as conferencing, proctoring and plagiarism-checking provider accounts — are scoped with your institution.

AI with a teacher in charge.

Nothing an AI drafts is published automatically. A teacher reviews and approves every output.

Nine AI authoring tools

Rubrics	Drafted from a learning outcome
Assignments	From a topic or outcome
Question banks	A whole bank, drafted for review
From a document	Transcribes a past paper's existing questions — never invents them
Quizzes	From the course's own material, citing the source
Writing help	Rewriting and tone, inside the editor
Lesson plans	Objectives, activities, assessment, timing
Plan critique	Alignment, variety, coverage, pacing
Content	A paragraph, outline or summary

For students, and for integrity

- An **AI tutor** that answers from the student's own course material
- Flashcard explanations and reflection prompts
- AI-written-text detection with a confidence score — **never auto-penalized**
- Semantic plagiarism detection that catches reworded copying
- Turnitin, Copyscape, and MOSS / JPlag for source code

Governed, metered, reversible

- AI runs on a **credit balance** — cost shown before and after every request, full history for administrators
- AI terms must be accepted before any AI feature opens
- Per-institution AI data policy — redaction, moderation level, retention, key rotation
- AI can be **disabled entirely**, at any time

Predictive insight

- Multi-factor risk weighting with school-set weights
- A recommended next action for the adviser; a predicted final grade per student
- Adaptive learning paths; accreditation evidence and cohort tracking

Integration and governance at scale

- **LTI 1.3** tools inside courses, at a privacy level you set
- Staged feature rollout across an institution group — shadow, pilot, full
- **Impersonation kill switch** — once on, no one can act as a user in your institution, including us



The teacher stays the author. Sophie drafts, the teacher decides — and the institution controls what data AI may ever see.

SECURITY & TRUST

Security is the floor, not an add-on.

Built into SOPHIE for every institution.

Isolated where it counts

- Each institution's data separated by **PostgreSQL row-level security**, enforced by the database engine
- Another school's records return “not found”, never “not allowed”
- Internal credentials that **expire after sixty seconds**
- Virus scanning on every upload, with unforgeable verdicts

Access by permission, not job title

- **Around 750 named permissions** in an inheriting tree
- Shipped roles are a starting point — create, rename or retire your own
- Every check runs on the server, on every request; every role change audited
- Support “view as” bound to one browser tab, bannered and recorded

Accounts that stay yours

- Closed registration — accounts exist only because your school created them
- Escalating lockout, enforced password strength, strong hashing
- Single-use refresh tokens — a replayed token ends the session
- Deactivation takes effect on the **very next request**
- MFA from your own identity provider through SSO

A record that cannot go missing

- Every change audited **in the same transaction** that makes it
- Personal data stripped from operational logs automatically
- Signed, timestamped webhooks with rotating secrets
- Verified erasure and subject-access tooling, built in

For your security team. Your identity provider proves who a person is; Sophie's gateway issues a separate signed internal token, valid for sixty seconds, carrying resolved permissions. Tenant isolation is defense in depth — a transaction-scoped setting, a row-level-security policy that fails closed, and an explicit predicate in every query. We are happy to walk your team through the architecture.

~750
NAMED PERMISSIONS

60 s
INTERNAL CREDENTIAL LIFETIME

RA 10173
DATA PRIVACY ACT TOOLING, BUILT IN

QUESTIONS WE'RE OFTEN ASKED

Is SOPHIE sold in tiers?

No. SOPHIE comes as one unified edition, SOPHIE Complete Edition. Implementation, integrations, third-party services and AI usage credits are scoped with you in your proposal.

Do the AI features send our data to a third party?

Only where you enable them, and only after written data-protection approval. You set redaction, moderation, retention and key rotation — and can switch AI off entirely.

Who built Sophie, and where does it run?

Sophie is 100% Filipino-made, built entirely by Prince Technologies Corporation — serving Philippine institutions since 1997. It runs on Amazon Web Services infrastructure. Prince Technologies is an AWS Select Tier Services Partner and Authorized Commercial Reseller.

Are we locked in?

No. Common Cartridge and QTI export work in both directions, so your courses leave with you if you ever go. Storage is sized to your needs — tell us the volume you expect.

One platform to teach, assess and administer — with security as the floor and a teacher in charge of the AI.

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ASK US FOR A GUIDED EVALUATION
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