3-Part Teaching Assistant & Learning Support Briefing

Prepared for Classroom Teaching Assistants, Department Leads, and Heads of Learning Support using Education Endowment Foundation (EEF) structured scaffolding.

Part 1 · Zero-Stigma Verbal Prompting Rules

Never direct learners to separate easier worksheets. All students process authentic IB Diploma hydrology conservation problems alongside three clean cognitive supports: [▲ Target], [● Given Data], and [■ Formula Substitution].

Part 2 · Guided Wait-Time & Anchor Prompts

Wait five full seconds after pointing silently to the geometric anchor tag before offering a two-word cue (for example: "Check units" or "Balance inputs").

Independent Publisher and Non-Endorsement Statement: Perduria Academic Press is an independent curriculum publisher and is not affiliated with, endorsed by, sponsored by, or approved by the International Baccalaureate Organization (IBO).

Classroom Intervention Scripts (Non-Clinical)

Memory & Reading Clarity Script ("Term Freeze")

When a learner hesitates over domain vocabulary (e.g., evapotranspiration or infiltration), trace the bracketed Greek/Latin root box first and isolate the single action verb before reading the scenario paragraph.

Structured Focus Script ("Multi-Step Overwhelm")

Cover subsequent boxes below Checkpoint 1 with a blank index card so attention focuses exclusively on extracting the two flow variables inside Box 1.

Task Initiation & Executive Momentum Script ("Starting Question 1")

Never start with open blank lines. Invite the learner solely to write the output unit beside [▲ Target Quantity] first (for example: "mm yr-1"), creating immediate written momentum in under fifteen seconds.

Verified Quantitative Answer Key (Hydrology Topic 4)

Skill Exercise	Substituted Equation	Verified Result	Anchor Prompt Focus
Skill 1 Practice (Aquifer G)	G = 680 - (415 + 190) = 680 - 605	**75 mm yr-1**	[■] Sum outputs before subtracting from P.
Skill 2 Hydrograph Shift	((29.7 - 18.0) / 18.0) x 100	**+65.0% increase**	[●] Initial discharge Q1 = 18.0 is denominator.
Skill 3 Depletion Span	420.0 km3 / 1.40 km3 yr-1 net loss	**300 years**	[◆] Check units balance km3 over km3 yr-1.

Independent Publisher and Non-Endorsement Statement: Perduria Academic Press is an independent curriculum publisher and is not affiliated with, endorsed by, sponsored by, or approved by the International Baccalaureate Organization (IBO).