

Australian Professional Standards for Teachers (APST)

Summary of how this trip meets those standards

APST Domain	APST Standard	Alignment to Sydney Basin Trip Learning Outcomes PDF
Professional Knowledge	2.1 Content knowledge	Build confidence in Sydney Basin geological history, rock classification, and environmental processes.
Professional Knowledge	2.2 Content selection	Select local geological case studies (rock cycle, coastal landforms, time) for classroom integration.
Professional Practice	3.2 Plan learning programs	Design structured classroom and field activities that encourage evidence-based student inquiry.
Professional Practice	3.4 Use resources	Utilize field observations, photos, measurements, and real-world exposures as authentic learning tools.
Professional Engagement	6.2 Professional learning	Develop practical skills in field measurements, systematic observation, and field note-taking.

Professional Knowledge

- **Standard 2: Know the content and how to teach it**
 - **2.1 Content knowledge and teaching strategies of the discipline:** By observing rock types, sedimentary layering, coastal features, and landscape evolution, you deepen your understanding of Earth and Environmental Science. This directly translates field evidence into clear explanations of geological processes and geological time for your students.
 - **2.2 Content selection and organisation:** The trip provides structured, real-world examples along the Illawarra and South Coast to help you organize units of work around weathering, erosion, and coastal processes.

Professional Practice

- **Standard 3: Plan for and implement effective teaching and learning**

- **3.2 Plan, structure and sequence learning programs:** The outcomes outline ways to use the Sydney Basin as a local, authentic case study. This enables you to design sequence-based classroom and field-based activities centered around scientific observation.
- **3.4 Select and use resources:** Participating equips you with primary local resources—such as field notes, sketches, photos, and real-world rock exposures—to enhance classroom engagement.

Professional Engagement

- **Standard 6: Engage in professional learning**
 - **6.2 Engage in professional learning and improve practice:** Participating in field-based learning enhances your pedagogical confidence and mastery in conducting systematic geological fieldwork.
 - **6.3 Engage with colleagues and improve practice:** The collaborative field environment allows you to share field-observation techniques and discuss strategies for applying local geological contexts to student learning.