THE BLADERUNNER BLUEPRINTS: ENGINEERING THE PERFECT LEARNING STE(A)M WIL EXPERIENCES

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KEYWORDS: Work integrated learning (WIL), authentic assessment, curriculum & learning design

SUBTHEME: Work integrated learning

AIMS

This workshop aims to engage participants in exploring the *Bladerunner Blueprints*—a dynamic framework and toolkit for designing transformative Work-Integrated Learning (WIL) experiences in STE(A)M disciplines. It seeks to empower educators to engineer WIL opportunities that are innovative, inclusive, and aligned with real-world challenges.

SOURCES OF EVIDENCE

The session draws on national WIL frameworks, AI-enhanced curriculum design tools, and the lived experiences of educators and students navigating the complexities of WIL in science and mathematics education. It builds on the ACDS WIL Fellowship's ongoing work to scaffold effective, scalable WIL practices.

MAIN ARGUMENT

WIL in STE(A)M is often constrained by disciplinary silos, limited placement opportunities, and inconsistent assessment practices. The *Bladerunner Blueprints* offer a flexible, collaborative model to overcome these barriers. Through hands-on activities, participants will explore how AI, peer learning, and reflective assessment can be harnessed to design impactful WIL experiences. The workshop invites participants to bring their own WIL challenges to the table, fostering a shared problem-solving environment.

CONCLUSIONS

This session will be most relevant for:

- WIL unit coordinators
- Academics developing or supervising placements
- Educators designing WIL-aligned assessments
- Leaders supporting staff in WIL roles
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Participants will leave with:

- Practical strategies for designing and evaluating WIL
- Insights into AI-supported curriculum tools
- Peer-generated solutions to current WIL challenges

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