

WORKSHOP 1

EXPLORING AND IMPLEMENTING THE HUMAN ORRERY - ENACTING, REFLECTIVE, AND COLLABORATIVE LEARNING IN STEAM EDUCATION

Facilitators:

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Objectives:

- Provide participants with a comprehensive understanding of the Human Orrery (HO) and its significance in STEAM education.
- Facilitate hands-on practice with the HO, fostering practical skills and familiarity.
- Identify and discuss pedagogical and didactical challenges associated with the HO.
- Explore the sequences of the ARISTARCHUS project.
- Establish a methodology and agenda for the academic year 2024-2025.

Methods:

Hands-On Activity: Engage in guided practice sessions with the HO to develop practical skills and understanding.

Collaborative Discussion: Participate in group discussions to identify challenges, share experiences, and co-develop practical solutions.

Implementation Planning: Discuss how the ARISTARCHUS educational programme can be integrated into the curricula of participants' organizations.

Outline:

This workshop offers an immersive experience in leveraging the Human Orrery (HO) to revolutionize STEAM education. Participants will engage in hands-on activities to explore the HO's applications and master its operation with guidance from experienced facilitators. Collaborative discussions will address pedagogical challenges, enriching participants' readiness for implementation. Exploring the ARISTARCHUS project's innovative sequences will inspire attendees with ideas for their own educational settings. Finally, participants will collaboratively plan the HO's integration into their curricula for the academic year 2024-2025, ensuring a seamless process tailored to their organizational needs.

This workshop equips educators and administrators with a deep understanding of the HO's potential and practical implementation skills. Attendees will leave with a strategic roadmap to enrich STEAM education, empowering them to make a lasting impact on their students' learning experiences.