



Active Insight: Evidence in Action Tip #822



Outdoor Mathematics Through Movement Experiences

Overview

Outdoor Mathematics opportunities strengthen participation, confidence, wellbeing, and understanding through movement-based learning experiences supporting meaningful engagement and inquiry. Inclusive learning environments encourage communication, teamwork, and positive decision-making while strengthening participation pathways and numeracy understanding. Students benefit from supportive outdoor opportunities promoting motivation, active involvement, and lifelong physical activity participation successfully together consistently across communities regularly.

Key Teaching Ideas

Outdoor Mathematics experiences strengthen engagement through collaboration, communication, and reflective participation opportunities supporting meaningful learning. Investigate movement measurement opportunities encouraging teamwork, confidence, and positive decision-making throughout activities. Facilitate inclusive participation strategies, inquiry discussions, and collaborative planning approaches helping students strengthen relationships, maintain engagement, and develop sustainable movement participation habits across diverse learning environments consistently successfully together throughout participation experiences regularly.

Practical Application

- Investigate movement measurement challenges supporting collaborative numeracy participation opportunities.
- Use movement estimation activities strengthening reflective mathematics participation experiences.
- Facilitate outdoor numeracy discussions supporting collaborative movement investigations regularly.
- Create data collection challenges encouraging inclusive mathematics participation opportunities.
- Encourage reflective movement tasks strengthening numeracy understanding and engagement.

Next Steps

Explore Active Education Australia Resources supporting outdoor Mathematics movement participation opportunities.

The Physical Literacy Framework is informed by the Australian Physical Literacy Framework (Australian Sports Commission, 2019), contemporary models of holistic physical literacy development (Whitehead, 2010), and research exploring interconnected physical, psychological, cognitive, and social domains supporting lifelong engagement in movement and physical activity.

