



# Active Insight: Evidence in Action

## Tip #805



## Active STEM Through Movement Participation

### Overview

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

### Key Teaching Ideas

Effective STEM experiences strengthen engagement through collaboration, communication, and reflective participation opportunities supporting meaningful learning. Explore coding participation 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

- Explore coding movement challenges supporting collaborative STEM participation opportunities.
- Use outdoor investigations strengthening reflective STEM movement learning experiences.
- Facilitate inquiry-based movement activities developing teamwork and problem-solving capabilities.
- Create STEM exploration opportunities encouraging confident collaborative participation regularly.
- Explore movement investigations strengthening scientific thinking and participation opportunities.

### Next Steps

Explore The Physical Literacy Framework resources supporting movement inquiry and STEM 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.*

