

A.T. Motion Math Marathon

→ Objectives:

Combine physical movement with counting for a multi-sensory learning experience.

Materials Needed:

- ✓ PowerLink 4 control unit.
- ✓ One or more appliances (e.g., a fan, a light, or a small, motorized toy) that can be turned on and off.
- ✓ A switch (e.g., Big Beamer or Jelly Beamer) for each appliance.
- ✓ Cones or markers to designate the relay turnaround point.

Setup:

- ✓ Position appliance(s) across the room, visible and at a challenging distance.
- ✓ Mark relay turnaround point near appliances.
- ✓ Connect appliances to PowerLink, ensuring switches are accessible.



Instructions:

Introduction: Brief students on the activity, demonstrating switch use and relay path.

Relay Start: Student at the start line activates the appliance via switch and begins counting steps aloud.

Running and Counting: Run to the marker, counting each step. Touch the marker.

Return and Deactivate: Return to start, continue counting, and deactivate the appliance with the switch.

Recording Steps: (Optional) Record steps for math activities or progress tracking.

→ Learning Outcomes:

Motor Skills: Enhances gross motor skills through running.

Numerical Cognition: Reinforces number sequencing and one-to-one correspondence.

Sensory Integration: Visual or movement goal stimulates sensory engagement.

Adaptations for Different Abilities:

- ✓ Adjust distance for mobility challenges or use alternative methods (e.g., rolling a ball) for switch activation.
- ✓ Walking or assistive devices allowed for those overwhelmed by physical activity.
- ✓ Visual counters or tactile methods for nonverbal students.



Safety Considerations:

Clear path to appliances.

Constant supervision.

Ensure appliance safety for child interaction.

This activity is adaptable for inclusivity, allowing students of all abilities to engage in multi-sensory learning.

