

Scaffolding and Differentiating STEM in the Montessori Classroom

Combining STEM and Montessori for all Learners:

STEM and Montessori teaching align more than you would think. STEM is an acronym for Science, Technology, Engineering and Math. It allows for investigation, problem solving skills, and creativity through the use of the five senses. STEM manifests the child's inner curiosity for the natural world around them through questioning and discovery.

Maria Montessori saw the benefits of inquiry based learning prior to STEM being developed. She understood that children need access to the five senses to foster their curiosity and problem solving inclinations. By building STEM into the Montessori curriculum, we can develop a love and understanding for learning.

STEM can be embedded into the existing Montessori curriculum in a cohesive way. STEM offers new extensions through exploratory scientific experiments. Embedding STEM will allow for real world problem solving and prepare students for skills they will need for the future. The parallels between STEM and Montessori are endless.



Special Points of Interest

- What Research Says About STEM
- How to Begin Scaffolding and Differentiating STEM in the Classroom
- Seasonal Curriculum Overview
- Hydroponics Gardening Indoors
- Experiments to Connect School to Home