

Program Learning Outcomes for MSED Childhood 1-6 Program

Candidates who successfully complete all required components of the MSED Childhood 1-6 Program at SUNY New Paltz will:

1. Content Knowledge:

- Understand the central concepts and tools of inquiry to create learning experiences that make content accessible and meaningful for all learners.

2. Application of Content:

- Engage learners in critical thinking, the connections across disciplines, and collaborative problem solving related to authentic local and global issues.

3. The Learner & Learning:

- Apply knowledge and understanding of individual differences, diverse cultures, and culturally responsive pedagogy to design and implement developmentally appropriate learning experiences and inclusive environments;
- Create learning experiences that encourage and support individual and collaborative learning, positive social interaction, and active engagement in learning.

4. Professional Learning & Ethical Practice:

- Engage in ongoing professional learning;
- Use evidence to continually reflect on the learning process and adapt practice to meet the needs of each learner;
- Demonstrate commitment and communication skills to facilitate collaboration with learners, families, colleagues, other school professionals, and community members to ensure learner growth.

5. Instructional Practice & Assessment

- Plan instruction that supports every student in meeting learning goals by drawing upon content knowledge, state/national standards, curriculum, learning theory, and evidenced-based practices;
- Understand and implement multiple methods of assessment and evaluation for the purposes of monitoring progress, engaging learners in their own growth, and guiding instructional decisions.

6. *STEM Pedagogy:

- Demonstrate the ability to enable children to successfully meet the demands of the highly technological world they are growing up in and which they will need to find jobs in;
- Nurture critical thinking skills and problem-solving abilities by thinking/acting as scientists, mathematicians, engineers, and inventors (technology);
- Utilize *NYS Science Learning Standards*, *International Society for Technology Education Standards*, and *NYS Next Generation Mathematics Standards* to guide the creation of meaningful STEM learning experiences.

*Learning outcomes pertains to the STEM specialization track in the MSED Childhood 1-6 program.