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.*