

Multiple Subject CYCLE 1 – MATH

Planning & Instruction Focus

What the Teacher Candidate Demonstrates	How Cooperating Teachers Can Support
<p>STEP 1: PLAN</p> <ul style="list-style-type: none"> Plan one math lesson aligned to grade-level math content standards Include a Math Practice Standard Identify three focus students (math learning, ALD, well-being/behavior) Plan accommodations for the whole class and each focus student 	<p>STEP 1: PLAN</p> <ul style="list-style-type: none"> Help identify an authentic math lesson already being taught within the unit of study Talk through how math content and practice naturally appear in instruction Share insight about student strengths, needs, and effective supports Reassure teacher candidates the lesson does not need to be “special”
<p>STEP 2: TEACH & ASSESS</p> <ul style="list-style-type: none"> Teach and video record one math lesson Show active math learning (student thinking, problem solving, discourse) Integrate Academic Language Development (ALD) Monitor and respond to student understanding 	<p>STEP 2: TEACH & ASSESS</p> <ul style="list-style-type: none"> Help select a lesson with visible student thinking Support video logistics (camera placement, timing) Allow the teacher candidate to lead instruction Normalize adjustment and reteaching
<p>STEP 3: REFLECT</p> <ul style="list-style-type: none"> Reflect on effectiveness of math instruction, math practice, and ALD Analyze how strategies supported the three focus students 	<p>STEP 3: REFLECT</p> <ul style="list-style-type: none"> Engage in brief reflective conversations Help teacher candidates reference specific student responses or work Reinforce that reflection focuses on instructional decisions
<p>STEP 4: APPLY</p> <ul style="list-style-type: none"> Identify next steps for math instruction Explain what to keep, adjust, or improve 	<p>STEP 4: APPLY</p> <ul style="list-style-type: none"> Encourage forward-looking thinking tied to upcoming math lessons Reinforce growth over perfection

Mathematical Practice Standards: These standards are consistent across PK–12 grade levels and describe the behaviors and processes that children should develop to engage effectively in mathematics. The eight Mathematical Practice (MP) Standards are:

- **MP1:** Make sense of problems and persevere in solving them.
- **MP2:** Reason abstractly and quantitatively.
- **MP3:** Construct viable arguments and critique the reasoning of others.
- **MP4:** Model with mathematics.
- **MP5:** Use appropriate tools strategically.
- **MP6:** Attend to precision.
- **MP7:** Look for and make use of structure.
- **MP8:** Look for and express regularity in repeated reasoning.