New York State Student Learning Objective: Math 1st Grade

All SLOs MUST include the following basic components:	
Population	One section of Math, Grade 1, heterogeneously grouped, 23 students.
Learning Content	Common Core Learning Standards (Priority Standards): **Operations and Algebraic Thinking: 1.OA.1&6:** **Represent and solve problems involving addition and subtraction** 1. Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions. **Add and subtract within 20** 2. Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten; decomposing a number leading to a ten; using the relationship between addition and subtraction; and creating equivalent but easier or known sums.
Interval of Instructional Time	2012-2013 School Year
Evidence	Baseline Assessments: Results of Kindergarten End of Year Assessment and First Grade Beginning of Year Assessment (designed to assess student achievement of Kindergarten exit skills in the areas of K.OA.2&5. Questions will address solving addition and subtraction problems Summative Assessments: Results of First Grade End of Year Math Assessment

Baseline	On the kindergarten EOY assessment 13% of students scored 1; 22% of students scored 2; 43% of students scored 3; and 22% of students scored 4. On the first grade Beginning of Year Assessment 3 students scored<50%; 8 students scored 50-74%, 9 students scored 75-90% and 3 students scored >90%.
Target(s)	75% percent of all students will score 80% or higher on the District-Wide First Grade Year End Assessment for Operations and Algebraic Thinking.
HEDI Scoring	The following ranges (expressed in percentages) will help evaluators determine a rating.

HIGHLY EFFECTIVE			EFFECTIVE									DEVELOPING						INEFFECTIVE		
20	19	18	17	16	15	14	**13**	12	11	10	9	8	7	6	5	4	3	2	1	0
96-100	92-95	88-91	85-87	82-84	80-82	77-80	74-76	71-73	68-70	65-67	62-64	60-61	58-59	56-57	54-55	52-53	50-51	44-49	31-44	<30

Rationale	The Learning Content is based on the most important Common Core Learning standards in the Operations and Algebraic Thinking Domain. The baseline evidence combines student scores on Kindergarten End of Year assessments and results of the First Grade Math Benchmark Assessment (which will assess students in skills acquired in Kindergarten). The summative score is calculated scoring a 20 question assessment, awarding 5 points each question (partial credit will be awarded on open ended questions), yielding a total possible 100 points. The benchmark assessment and the summative assessment will both will both address learning standards within the Operations and Algebraic Thinking Domain. The benchmark assessment will target standards within this domain that students should have mastered by the completion of kindergarten. The summative assessment will target the specified standards within this domain that students should master at the completion of first grade.