

Student Growth Objective Form

(DISTRICT-DEVELOPED SAMPLE SGO for Integrated Algebra II, 1 of 2)

Name	School	Grade	Course/Subject	Number of Students	Interval of Instruction
			Algebra II		Sept. 2018–April. 2019

Standards, Rationale, and Assessment Method

The 2018 – 2019 student growth objectives continue to place emphasis on the critical mathematics content (or the *Big Rocks*) for each grade. Focus on the Big Rocks of each grade opens up time and space to bring the Standards for Mathematical Practice to life in mathematics instruction; placing an emphasis on sense-making, reasoning, arguing and critiquing, modeling, etc. The growth objectives also seek to identify gaps in student understandings such to “fill” the gaps with targeted instructional supports.

Focus is critical to ensure that students learn the most important content completely, rather than succumb to an overly broad survey of content. When students are taught with understanding, there will be less need to reteach concepts from year to year. Instead, content is revisited as connections are made to new content-- first with concepts and then with procedures. This is accomplished through a focused curricular approach. When fewer topics are addressed in a given grade or course, those topics can be taught coherently and with rigor.

In high school, algebra, functions, geometry and statistics develop with an emphasis on modeling. Students continue to take a thinking approach to algebra, learning to see and make use of structure in algebraic expressions of growing complexity. As this description suggests, mathematical content in all grades is best approached in the ways envisioned by the Standards for Mathematical Practice.

Algebra II Standards Addressed within this Student Growth Objective:

- ✓ 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
- ✓ MP7: Look for and make use of structure
- ✓ MP8: Look for and express regularity in repeated reasoning

Four content Areas in NWEA Growth Assessment:

- ✓ Operation and Algebraic Thinking
- ✓ Numbers and Operations
- ✓ Measurement and Data
- ✓ Geometry

Assessment Method: The Spring NWEA MAP will be used to measure students' growth.

Starting Points and Preparedness Groupings

Student tiers will be determined using NWEA MAP Fall performance to develop a baseline index. Each tier will be assigned a target command level.

Data Measure(s) used to Establish Baseline:

2018-2019 Fall NWEA Score; no weight

Preparedness Group	Baseline Score (percentiles)
Tier 1	< 21
Tier 2	21 – 40
Tier 3	41 - 60
Tier 4	61 - 80
Tier 5	>80

Student Growth Objective

Growth Goal: By April 2019, 80% of students in each preparedness group will meet or exceed the Projected Growth Goal as measured by the 2018-2019 the Spring NWEA MAP in Mathematics. This growth statistic represents a % of the overall SGO score¹.

Preparedness Group (e.g. 1,2,3)	Number of Students in Each Group	NWEA MAP RIT
Tier 1		3+ Fall RIT points
Tier 2		2+ Fall RIT points
Tier 3		2+ Fall RIT points
Tier 4		2+ Fall RIT points
Tier 5		2+ Fall RIT points

¹ Growth projection represents the median level of growth observed for similar students in the norming sample.

Objective: Based on Spring NWEA MAP Growth

State the projected scores for each group and what percentage/number of students will meet this target at each attainment level. Modify the table as needed.

Preparedness Group	Student Target Command Level	Teacher SGO Score Based on Percent of Students Achieving Target Score			
		Exceptional (4) >80%	Full (3) 79-80%	Partial (2) 50-78%	Insufficient (1) <50%
Tier 1	3+ RIT points				
Tier 2	2+ RIT points				
Tier 3	2+ RIT points				
Tier 4	2+ RIT points				
Tier 5	2+ RIT points				

Approval of Student Growth Objective

Administrator approves scoring plan and assessment used to measure student learning.

Teacher _____ Signature _____

Date Submitted _____

Evaluator _____ Signature _____

Date Approved _____

Results of Student Growth Objective Based on NWEA MAP results

Summarize results using weighted average as appropriate. Delete and add columns and rows as needed.

Preparedness Group	Students at Target Score	Teacher SGO Score	Weight (based on students per group)	Weighted Score	Teacher SGO Score
Tier 1					
Tier 2					
Tier 3					
Tier 4					
Tier 5					

Notes

Describe any changes made to SGO after initial approval, e.g. because of changes in student population, other unforeseen circumstances, etc.

Review SGO at Annual Conference

Describe successes and challenges, lessons learned from SGO about teaching and student learning, and steps to improve SGOs for next year.

Teacher _____ Signature _____ Date _____

Evaluator _____ Signature _____ Date _____