



# Understanding Learning Gains



FLORIDA DEPARTMENT OF  
**EDUCATION**  
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# Objectives

Participants will:

- Examine State Rules regarding how learning gains will be determined using the Florida State Assessments
- Explore Learning Gains scenarios

## Learning Gains RULE NO.:6A-1.09981

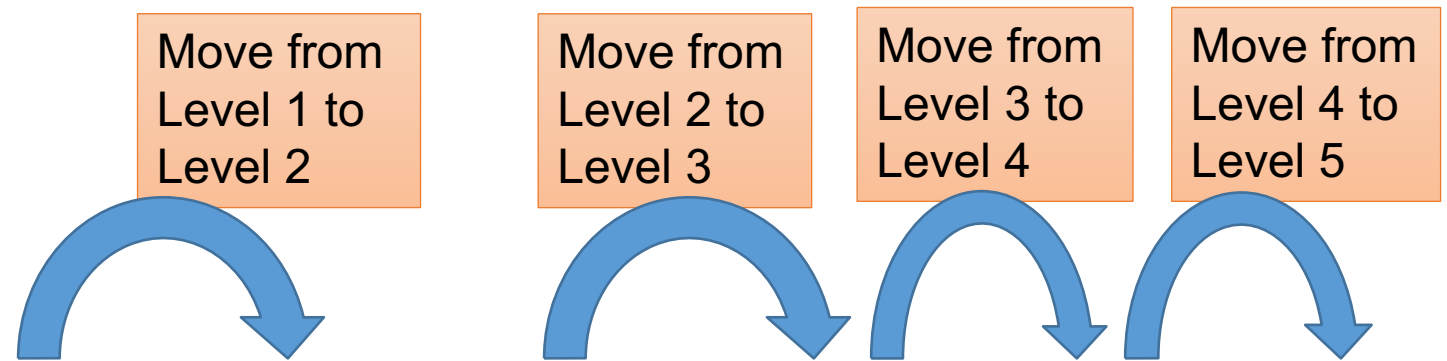
### Learning gains:

- Measurement of growth from one year to the next year
  - Growth must sufficiently meet the prescribed criteria
- May be demonstrated in English Language Arts and Mathematics



# Learning Gains Rule #1:

Students who increase at least one (1) achievement level on the statewide standardized assessment in the same subject area.



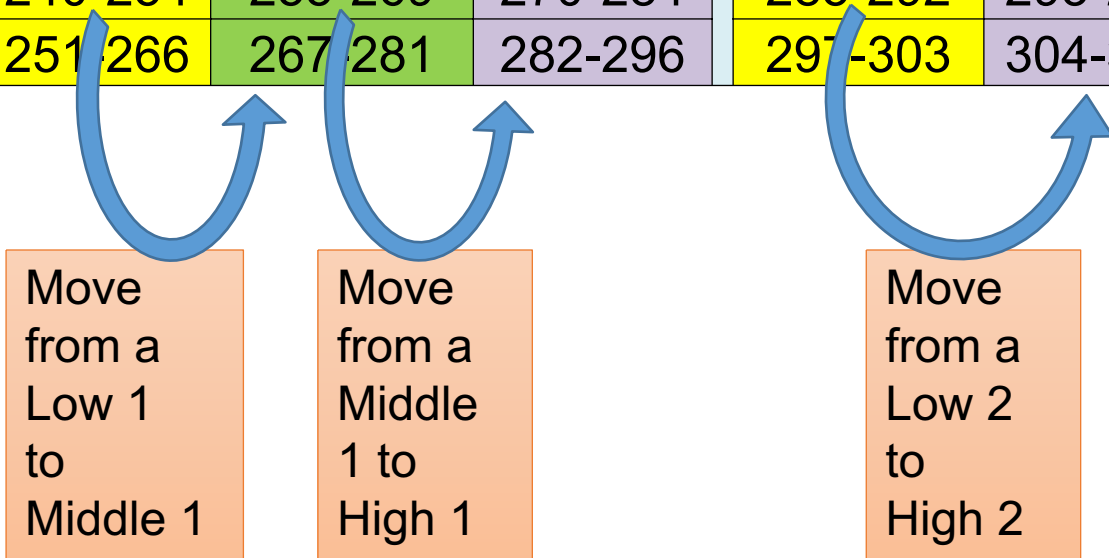
MATH	Level 1				Level 2			Level 3	Level 4	Level 5
	Level 1	Low	Middle	High	Level 2	Low	High			
Assessment	Level 1	Low	Middle	High	Level 2	Low	High	Level 3	Level 4	Level 5
Grade 3	240-284	240-254	255-269	270-284	285-296	285-290	291-296	297-310	311-326	327-360
Grade 4	251-298	251-266	267-282	283-298	299-309	299-304	305-309	310-324	325-339	340-376



## Learning Gains Rule #2:

Students who advance from one sub-level within Achievement Level 1 or 2 in the prior year to a higher sub-level in the current year in same subject area.

ELA	Level 1			Level 2		Level 3	Level 4	Level 5
	Low	Middle	High	Low	High			
Grade 3 ELA	240-254	255-269	270-284	285-292	293-299	300-314	315-329	330-360
Grade 4 ELA	251-266	267-281	282-296	297-303	304-310	311-324	325-339	340-372





# Learning Gains Rule #3:

Students whose score remained at Achievement Level 3 or 4 on the statewide standardized assessment in the current year and whose scale score is greater in the current year than the prior year in the same subject area.

Math Assessment	Level 3	Level 4
Grade 4	310-324	325-339
Grade 5	320-333	334-349

If previous year scale score exceeds this number then student needs to gain one (1) point.

If previous year scale score exceeds this number then student needs to gain one (1) point.

The one (1) point rule only applies to achievement Level 3 and Level 4. Mathematics EOCs are exempt from the (1) point rule.



## Learning Gains Rule #4:

Students who scored at Achievement Level 5 in the prior year on the statewide standardized assessment and who score in the same Achievement Level in the current year in the same subject area.

ELA Assessment	Level 5
Grade 3	330-360
Grade 4	340-372

Please note: EOC Mathematics Levels 3 & 4 can also decrease in score but still count as a learning gain!

If student's scale score in grade 3 was 360 and in grade 4 the student scored a 340, then student is still counted as a learning gain because the student maintained a level 5.

## Learning Gains Rules Recap:

- #1 > Student moves an achievement level
- #2 > Student moves an achievement sublevel
- #3 > Student maintains an achievement level 3 or 4 and increases score
  - #3a > Minimum of 1pt
  - #3b > Exception: Mathematics EOC Levels 3 and 4
- #4 > Student maintains an achievement level 5

**Let's explore some learning gains scenarios!**



## Learning Gains Activity

- Print the FSA Scale Scores and Levels document to use as a reference.

**FSA SCALE SCORES and LEVELS**

ELA Assessment	Level 1			Level 2		Level 3	Level 4	Level 5
	Low	Middle	High	Low	High			
Grade 3	240-254	255-269	270-284	285-292	293-299	300-314	315-329	330-360
Grade 4	251-266	267-281	282-296	297-303	304-310	311-324	325-339	340-372
Grade 5	257-272	273-288	289-303	304-312	313-320	321-335	336-351	352-385
Grade 6	259-275	276-292	293-308	309-317	318-325	326-338	339-355	356-391
Grade 7	267-283	284-300	301-317	318-325	326-332	333-345	346-359	360-397
Grade 8	274-289	290-305	306-321	322-329	330-336	337-351	352-365	366-403
Grade 9	276-293	294-310	311-327	328-335	336-342	343-354	355-369	370-407
Grade 10	284-300	301-317	318-333	334-341	342-349	350-361	362-377	378-412

MATH Assessment	Level 1			Level 2		Level 3	Level 4	Level 5
	Low	Middle	High	Low	High			
Grade 3	240-254	255-269	270-284	285-290	291-296	297-310	311-326	327-360
Grade 4	251-266	267-282	283-298	299-304	305-309	310-324	325-339	340-376
Grade 5	256-272	273-289	290-305	306-312	313-319	320-333	334-349	350-388
Grade 6	260-276	277-293	294-309	310-317	318-324	325-338	339-355	356-390
Grade 7	269-284	285-300	301-315	316-322	323-329	330-345	346-359	360-391
Grade 8	273-289	290-305	306-321	322-329	330-336	337-352	353-364	365-393

EOCs Assessment	Level 1			Level 2		Level 3	Level 4	Level 5
	Low	Middle	High	Low	High			
Algebra I	425-445	446-466	467-486	487-491	492-496	497-517	518-531	532-575
Geometry	425-445	446-465	466-485	486-492	493-498	499-520	521-532	533-575
Algebra 2	425-448	449-472	473-496	497-503	504-510	511-528	529-536	537-575

## Elementary Exploration of Learning Gains

#1	School Year	Assessment	Grade		
	15-16	FSA-ELA	4 <sup>th</sup>	Baseline score: 251 (L1-L)	
	16-17		5 <sup>th</sup>	Min. score needed for LG?	<b>273</b>
				Min. # of points for LG?	<b>22</b>
				Achievement Level?	<b>L1-M</b>
#2	School Year	Assessment	Grade		
	15-16	FSA-MATH	3 <sup>rd</sup>	Baseline score: 284 (L1-H)	
	16-17		4 <sup>th</sup>	Min. score needed for LG?	<b>299</b>
				Min. # of points for LG?	<b>15</b>
				Achievement Level?	<b>L2-L</b>

## Elementary Exploration of Learning Gains

#3	School Year	Assessment	Grade			
	15-16		FSA-ELA	3 <sup>rd</sup>	Baseline score: 329 (L4)	
	16-17			4 <sup>th</sup>	Min. score needed for LG?	<b>330</b>
				Min. # of points for LG?	<b>1</b>	
				Achievement Level?	<b>L4</b>	

#4	School Year	Assessment	Grade			
	15-16		FSA-MATH	4 <sup>th</sup>	Baseline score: 341 (L5)	
	16-17			5 <sup>th</sup>	Min. score needed for LG?	<b>350</b>
				Min. # of points for LG?	<b>9</b>	
				Achievement Level?	<b>L5</b>	

## Elementary Exploration of Learning Gains

#5	School Year	Assessment	Grade		
	15-16	FSA-ELA	4 <sup>th</sup>	Baseline score: 372 (L5)	
	16-17		5 <sup>th</sup>	Min. score needed for LG?	<b>352</b>
				Min. # of points for LG?	<b>-20</b>
				Achievement Level?	<b>L5</b>

#6	School Year	Assessment	Grade		
	15-16	FSA-ELA	3 <sup>rd</sup>	Baseline score: 240 (L1-L)	
	16-17		3 <sup>rd</sup>	Min. score needed for LG?	<b>255</b>
				Min. # of points for LG?	<b>15</b>
				Achievement Level?	<b>L1-M</b>

## Middle Grades Exploration of Learning Gains

#7	School Year	Assessment	Grade		
	15-16	FSA-ELA	5 <sup>th</sup>	Baseline score: 257 (L1-L)	
	16-17		6 <sup>th</sup>	Min. score needed for LG?	<b>276</b>
				Min. # of points for LG?	<b>19</b>
				Achievement Level?	<b>L1-M</b>
#8	School Year	Assessment	Grade		
	15-16	FSA-MATH	5 <sup>th</sup>	Baseline score: 319 (L2-H)	
	16-17		6 <sup>th</sup>	Min. score needed for LG?	<b>325</b>
				Min. # of points for LG?	<b>6</b>
				Achievement Level?	<b>L3</b>

## Middle Grades Exploration of Learning Gains

#9	School Year	Assessment	Grade		
	15-16	FSA-ELA	6 <sup>th</sup>	Baseline score: 337 (L3)	
	16-17		7 <sup>th</sup>	Min. score needed for LG?	<b>338</b>
				Min. # of points for LG?	<b>1</b>
				Achievement Level?	<b>L3</b>
#10	School Year	Assessment	Grade		
	15-16	FSA-MATH	7 <sup>th</sup>	Baseline score: 367 (L5)	
	16-17		8 <sup>th</sup>	Min. score needed for LG?	<b>365</b>
				Min. # of points for LG?	<b>-2</b>
				Achievement Level?	<b>L5</b>

## Middle Grades Exploration of Learning Gains

#11	School Year	Assessment	Grade		
	15-16	FSA-MATH	7 <sup>th</sup>	Baseline score: 337 (L3)	
	16-17	FSA-ALGEBRA I		Min. score needed for LG?	<b>497</b>
#12	School Year	Assessment	Grade	Achievement Level?	<b>L3</b>
	15-16	FSA-MATH	7 <sup>th</sup>	Baseline score: 367 (L5)	
	16-17	FSA-ALGEBRA I		Min. score needed for LG?	<b>532</b>
				Achievement Level?	<b>L5</b>

## High School Exploration of Learning Gains

#13	School Year	Assessment	Grade		
	15-16	FSA-ELA	8 <sup>th</sup>	Baseline score: 274(L1-L)	
	16-17		9 <sup>th</sup>	Min. score needed for LG?	<b>294</b>
				Min. # of points for LG?	<b>20</b>
			Achievement Level?	<b>L1-M</b>	

#14	School Year	Assessment	Grade		
	15-16	FSA-ALG.1		Baseline score: 486 (L1-H)	
	16-17	FSA-GEO		Min. score needed for LG?	<b>486</b>
				Min. # of points for LG?	<b>0</b>
			Achievement Level?	<b>L2-L</b>	



## High School Exploration of Learning Gains

#15	School Year	Assessment	Grade				
	15-16			FSA-ELA	9 <sup>th</sup>	Baseline score: 362(L4)	
	16-17				10 <sup>th</sup>	Min. score needed for LG?	<b>363</b>
				Min. # of points for LG?	<b>1</b>		
				Achievement Level?	<b>L4</b>		
#16	School Year	Assessment	Grade				
	15-16			FSA-ELA	9 <sup>th</sup>	Baseline score: 385 (L5)	
	16-17				10 <sup>th</sup>	Min. score needed for LG?	<b>378</b>
				Min. # of points for LG?	<b>-7</b>		
				Achievement Level?	<b>L5</b>		

# Comparison of the Ways to Demonstrate a Learning Gain for School Grades

Old Method	New Method
Improve one or more achievement levels from one year to the next (e.g., move from Level 1 to Level 2; Level 2 to Level 4, etc.)	Same
Maintain a Level 3, Level 4, or Level 5 from one year to the next	Same, <b>except</b> for <b>Level 3 and Level 4</b> , in addition to maintaining the level, <b>the student's scale score must have improved from one year to the next*</b> Exception: Mathematics EOCs
For students who remain in Level 1 or Level 2, demonstrate a specified scale score gain	<b>Split Levels 1 and 2 into multiple sections</b> (Level 1 into thirds and Level 2 in half) <b>and require the student to improve from section to section within the Level</b> (e.g., move from the bottom third of Level 1 to the middle third of Level 1)

\*The way to demonstrate a learning gain for students who maintain a Level 3 or Level 4 was changed from the original draft rule language based on feedback received from FADSS and others during the rule development process

## Logic Behind the New LG Rules

FSA MATH	Level 1			Level 2		Level 3
	Low	Middle	High	Low	High	
Grade 3	240-254	255-269	270-284	285-290	291-296	297-310
Grade 4		267-282	283-298	299-304	305-309	310-324
Grade 5			290-305	306-312	313-319	320-333
Grade 6				310-317	318-324	325-338
Grade 7					323-329	330-345
Grade 8						337-352

By this logic a grade 3 level 1-low student could be satisfactory by grade 8

## Learning Gains Target Calculator

- There is a link to download a Learning Gains Target Calculator

Student Name	Test Student Took in 2016-17	Scale Score Earned in 2016-17	Test Student Will Take in 2017-18	Target Scale Score for Learning Gains
Sample 1	FSA ELA Grade 5	324	FSA ELA Grade 6	326
Sample 2	FSA ELA Grade 3	300	FSA ELA Grade 4	311
Sample 3	FSA ELA Grade 5	257	FSA ELA Grade 6	276
Sample 4	FSA ELA Grade 9	385	FSA ELA Grade 10	378

Directions:	
<b>Step 1:</b>	Enter the student's name in Column A.
<b>Step 2:</b>	Select the test that the student took in 2016-17 from the drop-down menu in Column B.
<b>Step 3:</b>	Enter the scale score that the student earned on the 2016-17 test into Column C.
<b>Step 4:</b>	Select the test that the student will take in 2017-18 from the drop-down menu in Column D.
<b>Step 5:</b>	The student's target score will appear in Column E. This is the minimum score required by the student in order to make learning gains.
Notes:	
<i>* The 2017-18 test will be highlighted red if you select unmatching test types (i.e. one ELA test and one math test).</i>	
<i>* If you enter a scale score outside the range of possible scores for the 2016-17 test, the target scale score will appear as "Invalid."</i>	