

## School Grades Learning Gains Calculation for 2015-16

The 2015-16 school grades calculation will use the new learning gains methodology required by s. 1008.34 F.S. and Rule 6A-1.09981 F.A.C. for the first time. Based on Florida law and rule, learning gains are calculated for both FSA English Language Arts and FSA Mathematics. The new learning gains methodology provides three ways in which a student may demonstrate that he or she has made a learning gain.

1. 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.).
2. Maintain a Level 3, Level 4, or Level 5 from one year to the next and the student's scores in Level 3 and Level 4 must have improved from one year to the next.
3. Split Levels 1 and 2 into multiple subcategories (Level 1 into thirds and Level 2 in half) and require the student to improve from one subcategory to a higher subcategory within the Level (e.g., move from the bottom third of Level 1 to the middle third of Level 1).

### Students who improve one or more achievement levels from one year to the next

- All students who increase their score from one achievement level to a higher achievement level demonstrate a learning gain.

#### *Examples*

- **Regular Progression** - In 2015 a Grade 6 student scored in Level 2 (319) on the FSA Mathematics and in 2016 scored in Level 3 (331) on the Grade 7 FSA Mathematics. This student demonstrated learning gains by increasing the FSA Mathematics score from a Level 2 in Grade 6 to a Level 3 in Grade 7.
- **Retained Student** - In 2015 a Grade 7 student scored in Level 2 (325) on the FSA English Language Arts. This student is retained in Grade 7 and took the Grade 7 FSA English Language Arts in 2016 and scoring in Level 3 (334). This student demonstrated learning gains by increasing the FSA achievement level from one school year to the next.
- **Accelerated Student** – In 2015 a Grade 4 student scored in Level 4 (339) on the FSA English Language Arts and in 2016 skipped a Grade and scored in Level 5 (356) on the Grade 6 FSA English Language Arts. This student demonstrated learning gains by increasing the FSA English Language Arts score from a Level 4 in Grade 4 to a Level 5 in Grade 6 from one school year to the next.
- **EOC Example** – In 2015 a student scored in Level 3 (500) on the Algebra 1 EOC and in 2016 scored in Level 4 (522) on the Geometry EOC. This student demonstrated learning gains by increasing the FSA EOC achievement level in mathematics in 2016.

- **FSA to EOC Example** – In 2015 a Grade 8 student scored in Level 3 (348) on the FSA Mathematics and in 2016 scored in Level 4 (520) on the Algebra 1 EOC. This student demonstrated learning gains by increasing the statewide mathematics assessment score from a Level 3 in Grade 8 to a Level 4 on the Algebra 1 EOC.
- **EOC to FSA Example** – In 2015 a Grade 7 student scored in Level 2 (495) on the Algebra 1 EOC and in 2016 scored in Level 3 (348) on the Grade 8 FSA Mathematics. This student demonstrated learning gains by increasing their score from a level 2 on the Algebra 1 EOC to a level 3 on the Grade 8 FSA Mathematics.

### **Students who maintain a Level 3, Level 4, or Level 5 from one year to the next**

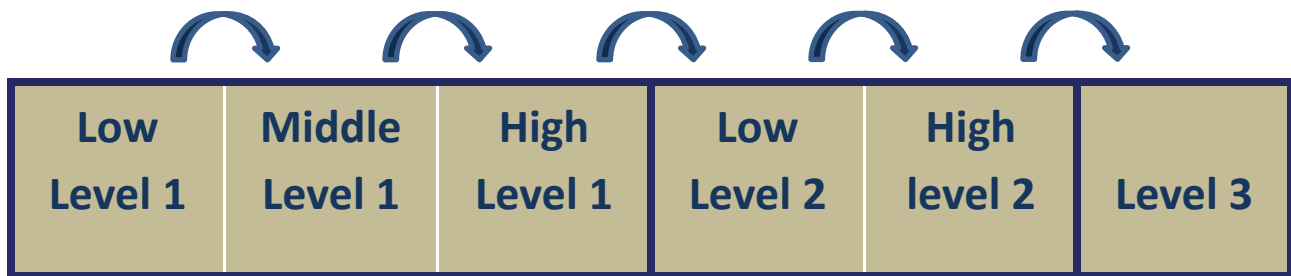
- Learning gains for students who maintain a Level 3 or Level 4 are determined based on whether the student improves their score by at least one point.
- Students who score at level 5 demonstrate learning gains if they remain at Level 5.

#### ***Examples***

- **Regular Progression** - In 2015 a Grade 4 student scored in Level 3 (323) on the FSA Mathematics and in 2016 scored in Level 3 (324) on the Grade 5 FSA Mathematics. This student demonstrated learning gains by maintaining a level 3 score from Grade 4 to Grade 5 by increasing the FSA Mathematics score by 1 point.
- **Retained student** - In 2015 a Grade 7 student scored in Level 3 (333) on the FSA English Language Arts. This student was retained in Grade 7 and took the Grade 7 FSA English Language Arts in 2016, scoring in Level 3 (334). This student demonstrated learning gains by scoring one point higher on the Grade 7 FSA English Language Arts in 2016.
- **Accelerated Student** – In 2015 a Grade 4 student scored in Level 4 (338) on the FSA English Language Arts and in 2016 skipped a grade level and scored a Level 4 (340) on the Grade 6 FSA English Language Arts. This student demonstrated learning gains by remaining in Level 4 and by increasing the FSA English Language Arts score by 1 point.
- **EOC example** - In 2015 a student scored in Level 3 (500) on the Algebra 1 EOC and in 2016 scored in Level 3 (501) on the Geometry EOC. This student demonstrated learning gains by maintaining their achievement level and increasing their score by one point on the Geometry EOC in 2016.
- **FSA to EOC example** - In 2015 a Grade 8 student scored in Level 3 (348) on the FSA Mathematics and in 2016 scored Level 3 (500) on the Algebra 1 EOC. This student demonstrated learning gains by maintaining their score at Level 3 on the Algebra 1 EOC.
- **EOC to FSA Example** – In 2015 a Grade 7 student scored in Level 3 (504) on the Algebra 1 EOC and in 2016 scored in Level 3 (348) on the Grade 8 FSA Mathematics. This student demonstrated learning gains by maintaining their score at Level 3 on the Grade 8 FSA Mathematics.

## Students scoring in Level 1 or 2 and remaining in the same Achievement Level

- Learning gains for students who remain in Levels 1 and 2 are determined based on whether students increase their scores from one subcategory to a higher subcategory.
- Level 1 is split into three subcategories and Level 2 is split into two subcategories.
- A student that starts with a Low Level 1 score who makes a Learning Gain each year would reach Level 3 in five years.



### Examples

- **Regular progression** – In 2015 a Grade 3 student scored in Low Level 1 (250) on the FSA English Language Arts and in 2016 scored in Middle Level 1 (267) on the Grade 4 FSA English Language Arts assessment. This student demonstrated learning gains by moving from Low Level 1 in Grade 3 to Middle Level 1 in Grade 4.
- **Retained student** – In 2015 a Grade 7 student scored in Middle Level 1 (285) on the FSA English Language Arts. This student is retained in Grade 7 and takes the Grade 7 FSA English Language Arts in 2016 and scored in High Level 1 (301). This student demonstrated learning gains by moving from Middle Level 1 to High Level 1 on the Grade 7 FSA English Language Arts from one school year to the next.
- **EOC example** – In 2015 a student scored in Low Level 2 (490) on the Algebra 1 EOC and in 2016 scored in High Level 2 (493) on the Geometry EOC. This student demonstrated learning gains by moving from Low Level 2 on the Algebra 1 EOC to High Level 2 on the Geometry EOC.
- **FSA to EOC example** – In 2015 a Grade 8 student scored in Low Level 2 (329) on the FSA Mathematics and in 2016 scored in High Level 2 (492) on the Algebra 1 EOC. This student demonstrated learning gains by moving from Low Level 2 on the Grade 8 FSA Mathematics to High Level 2 on the Geometry EOC.
- **EOC to FSA Example** – In 2015 a Grade 7 student scored in Low Level 2 (490) on the Algebra 1 EOC and in 2016 scored in High Level 2 (335) on the Grade 8 FSA Mathematics. This student demonstrated learning gains by moving from Low Level 2 on the Algebra 1 EOC to High Level 2 on the Grade 8 FSA Mathematics.

## Score Ranges for Each Achievement Level and Subcategory

The tables below provide the score ranges for each achievement level and each subcategory (Low, Middle, and High) within achievement levels.

### English Language Arts

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

### Mathematics

Assessment	Level 1				Level 2			Level 3	Level 4	Level 5
	Level 1	Low	Middle	High	Level 2	Low	High			
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
Grade 5	256-305	256-272	273-289	290-305	306-319	306-312	313-319	320-333	334-349	350-388
Grade 6	260-309	260-276	277-293	294-309	310-324	310-317	318-324	325-338	339-355	356-390
Grade 7	269-315	269-284	285-300	301-315	316-329	316-322	323-329	330-345	346-359	360-391
Grade 8	273-321	273-289	290-305	306-321	322-336	322-329	330-336	337-352	353-364	365-393

### End-of-Course Assessments

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