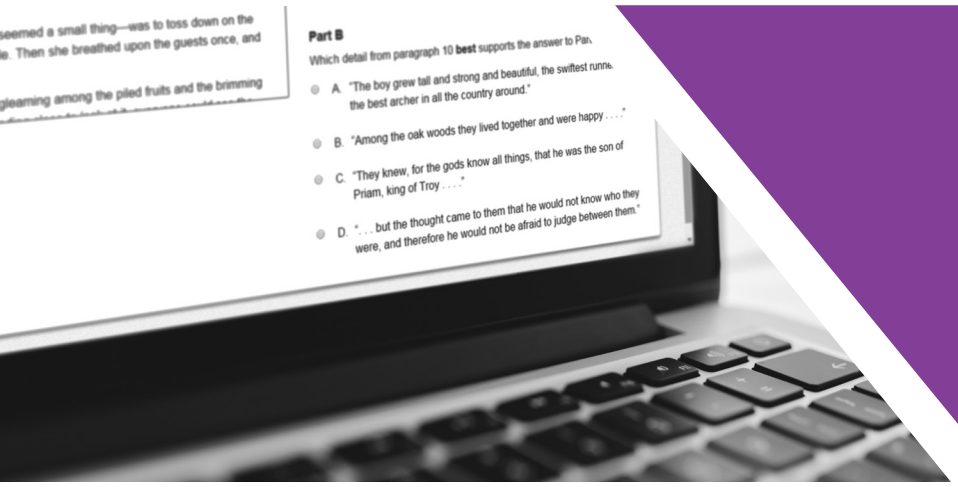
Spring 2017

PARCC

Partnership for Assessment of Readiness for College and Careers



District/School Performance Level Summary Report, District/School Evidence Statement Analysis Report, AND School Content Standards Roster

Interpretation Guide

Table of Contents

1.0 General Information for Educators

1.1 Background

During the Spring 2017 administration, additional reports were created to provide more in-depth analysis of items as they relate to both the alignment to PARCC Evidence Statements and the Common Core State Standards.

1.2 PARCC Assessment

The reports referred to in this document are based on the PARCC Assessment Spring 2017 Administration for the operational items taken.

1.3 Confidentiality of Reporting Results

The reports covered in this guide are for use at a state, district, and school level and are not intended for public distribution.

1.4 Purpose of this Guide

This guide provides information to assist in the interpretation of the District and School Performance Level Summary report, the District and School Evidence Statement report, and the School Content Standards Roster report. Sample reports included in this guide are for illustration purposes only. They are provided to show the basic layout of the reports and the information they provide. Sample reports do not include live data from the Spring 2017 Administration.

The specific use of this information as it pertains to curriculum is at the discretion of the organization.

1.5 Accessing the Reports

The Performance Level Summary, Evidence Statement, and Content Standards Roster reports can be accessed through PearsonAccess^{next} Published Reports. Once signed into PearsonAccess^{next}, you must be in the 2016-2017 PARCC Spring 2017 administration. Under the "Reports" drop down, choose "Published Reports". It is helpful to type "Performance," "Evidence," or "Content" under the "Find Reports" search to filter for these reports.

2.0 Understanding the PARCC District and School Performance Level Summary Report

2.1 General Overview

The Performance Level Summary reports are provided at a State, District and School Level. This report breaks out the performance aggregations into subcategory levels.

2.2 Description of PARCC Performance Level Summary Report

A. Identification Information

The report identifies the district or school name.

B. Content Area and Grade Level/Course

The content area of the report, the grade level/course of the assessment, as well as the administration year are identified.

C. Demographic and Program Categories and Student Groups

Demographic and program categories with student groups are listed on the left side of the table. Results for students for whom no demographic or program information was coded are included in the “not indicated” student group.

D. Number of Valid Scores

The number of valid scores does not include students with no score.

E. Average Scale Score

The average scale score is displayed for the state and district as well as each demographic or program student group. On school level reports, the average scale score for the school is also included. The average does not include students with no scores.

F. Performance Level Results

The number and percentage of students who performed at the Did Not Yet Meet Expectations, Partially Met Expectations, Approached Expectations, Met Expectations, and Exceeded Expectations, as well as aggregated to Met or Exceeded Expectations performance levels, are displayed for each demographic or program student group.

2.2.1 Sample School Performance Level Summary Report

SCHOOL PERFORMANCE LEVEL SUMMARY

Grade 7

PARCC

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A

SAMPLE SCHOOL
SAMPLE DISTRICT
MOCK DATA STATE

B

MATHEMATICS

Grade 7 Assessment, Spring 2017

Purpose: This report describes group achievement in terms of average scale scores and performance levels.

C

	D Number of Valid Scores	E Average Scale Score	F Performance Levels										≥ Level 4 Met or Exceeded Expectations	
			Level 1 Did Not Yet Meet Expectations		Level 2 Partially Met Expectations		Level 3 Approached Expectations		Level 4 Met Expectations		Level 5 Exceeded Expectations			
			#	%	#	%	#	%	#	%	#	%	#	%
Cross-State	143	765	0	0.0%	4	2.8%	32	22.4%	83	58.0%	24	16.8%	107	0.0%
State	**121**	**765**	**0**	**0.0%**	**1**	**0.8%**	**26**	**21.5%**	**77**	**63.6%**	**17**	**14.0%**	**94**	**77.7%**
District	121	765	0	0.0%	1	0.8%	26	21.5%	77	63.6%	17	14.0%	94	77.7%
School	121	765	0	0.0%	1	0.8%	26	21.5%	77	63.6%	17	14.0%	94	77.7%
Gender														
Female	57	766	0	0.0%	1	1.8%	13	22.8%	34	59.6%	9	15.8%	43	75.4%
Male	64	765	0	0.0%	0	0.0%	13	20.3%	43	67.2%	8	12.5%	51	79.7%
Ethnicity/Race														
Hispanic or Latino	44	765	0	0.0%	1	2.3%	6	13.6%	32	72.7%	5	11.4%	37	84.1%
American Indian or Alaska Native	1	743	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%
Asian	1	746	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%
Black or African-American	2	749	0	0.0%	0	0.0%	1	50.0%	1	50.0%	0	0.0%	1	50.0%
Native Hawaiian or Other Pacific Islander	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
White	27	771	0	0.0%	0	0.0%	5	18.5%	16	59.3%	6	22.2%	22	81.5%
Two or more races	31	765	0	0.0%	0	0.0%	7	22.6%	22	71.0%	2	6.5%	24	77.4%
Not Indicated	15	763	0	0.0%	0	0.0%	5	33.3%	6	40.0%	4	26.7%	10	66.7%
Economic Disadvantage														
No	121	765	0	0.0%	1	0.8%	26	21.5%	77	63.6%	17	14.0%	94	77.7%
Yes	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Students with Disabilities														
IEP - Yes	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
IEP - No	121	765	0	0.0%	1	0.8%	26	21.5%	77	63.6%	17	14.0%	94	77.7%
504	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Migrant														
No	121	765	0	0.0%	1	0.8%	26	21.5%	77	63.6%	17	14.0%	94	77.7%
Yes	0	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Page 1 of 1

07202017-Sp-Z9999999-06-1006- 0000000

3.0 Understanding the PARCC District and School Evidence Statement Analysis Report

3.1 General Overview

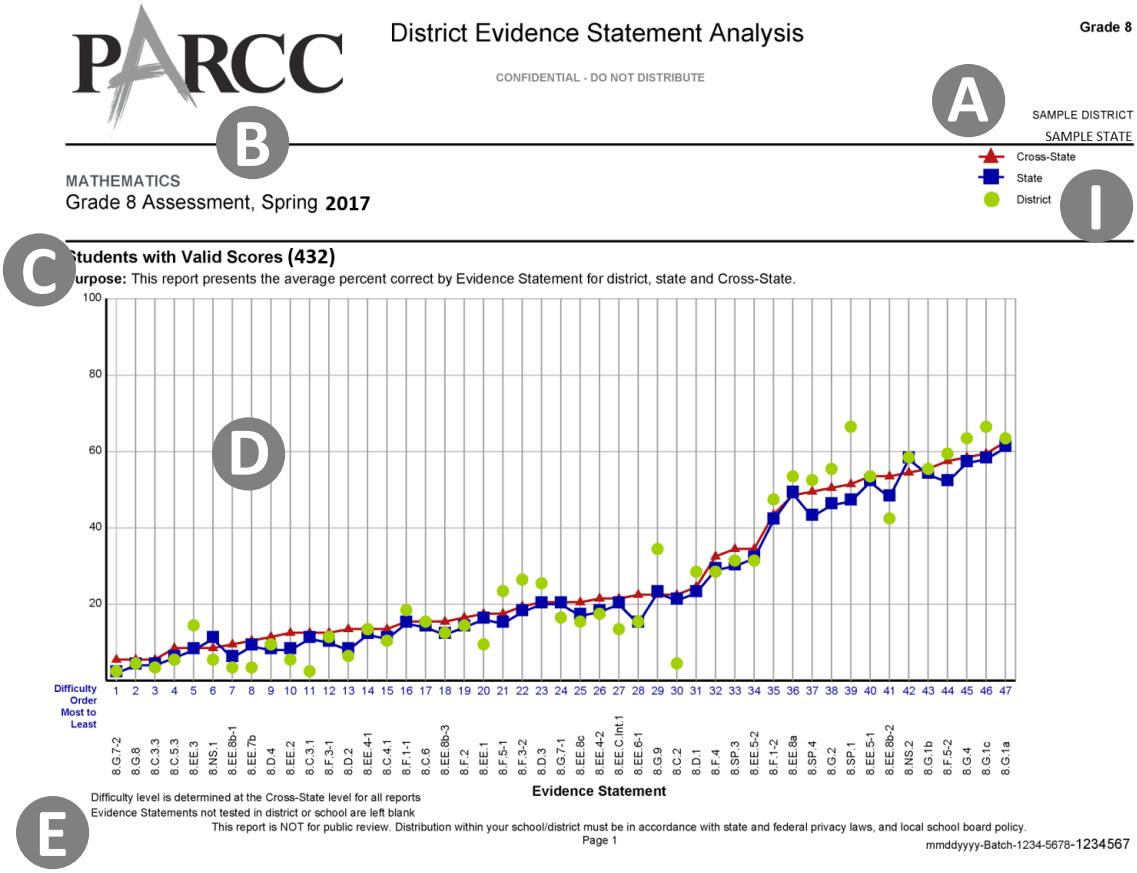
The PARCC District and School Evidence Statement Analysis Report are two-page reports which analyze the performance of the PARCC Evidence Statements at a state, district and school level for each operational item on the Spring 2017 PARCC Assessment. Information is reported for each grade level/course and content area.

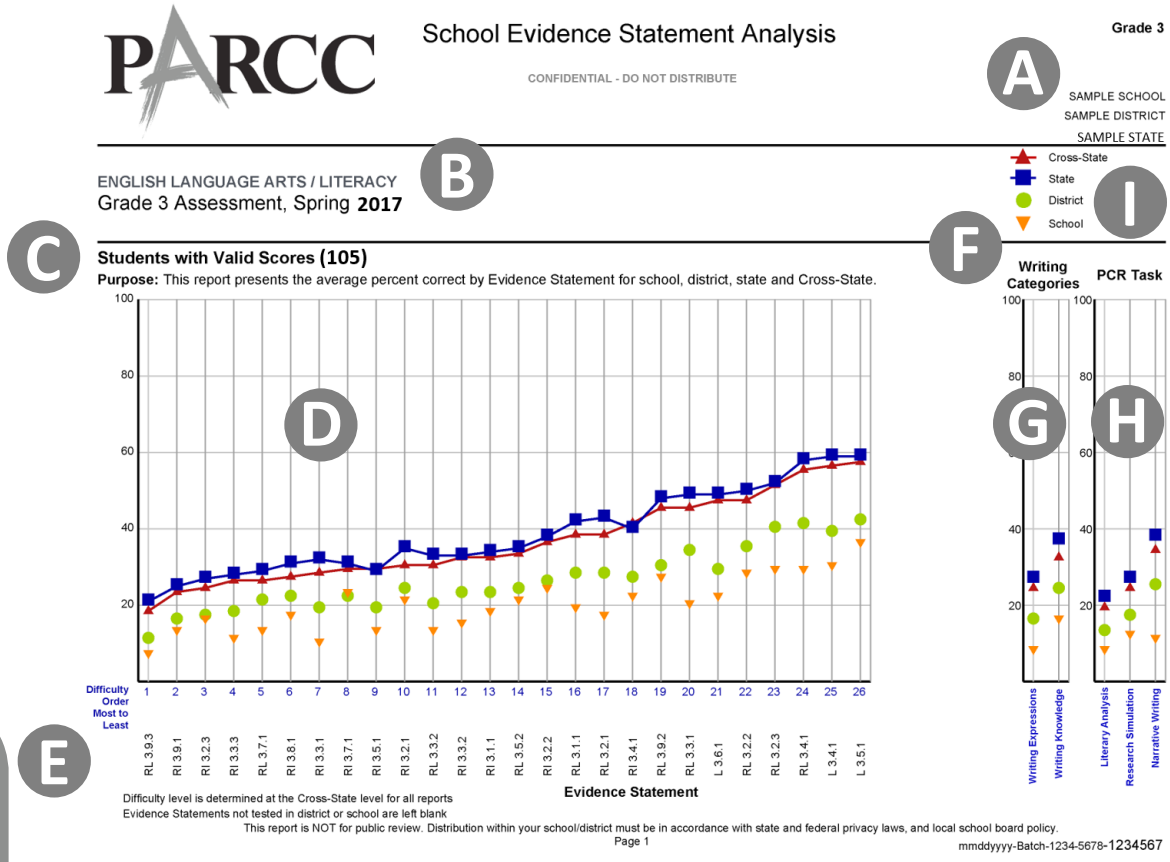
3.2 Description of PARCC District and School Evidence Statement Analysis Report

3.2.1 PARCC District and School Evidence Statement Analysis Report – Page 1

Page 1 of the Evidence Statement Analysis Report shows the performance by evidence statement in graph form.

The first report below shows an example of a Mathematics report at a district level. The second is an ELA/Literacy report at a school level.





A. District and School Information

Reports are provided at a district level as well as for each school associated with that district for the district and school listed on the report.

B. Description of Report

The description of the content area (English Language Arts/Literacy or Mathematics) assessed, grade level/course assessed, and assessment year is located in this area.

C. Students with Valid Scores

The report presents the average percent correct by evidence statement for students who have PARCC reportable summative scale scores in the Spring 2017 administration. Reportable scores are those records that have met attemptedness, are non-voided records, and are without suppression codes that have excluded them from aggregations.

D. Graph

The average percent correct by each item, combined at an evidence statement level is represented on the chart at a cross-state* level, state level, district level, and for the school report, at a school level. A legend is provided to show which lines represent each level shown. Cross-state and State symbols are connected with a solid line. District and school symbols are not connected. District and school symbols are not connected because, depending on the form assignment selection taken at the school and district, all evidence statements may not be represented. If an evidence statement is not represented at a school or district level, there will not be a symbol on the chart for that evidence statement listed. If a symbol is on the chart at zero percent, this indicates that evidence statement group had 0% achieved out of the maximum points possible for that school or district.

*Cross-State is defined as the aggregation of all states in the consortium.

E. Evidence Statement and Difficulty Order
Items on the PARCC assessment are written to PARCC Evidence Statements, which are based on the Common Core State Standards. Each operational item on the assessment is combined into an evidence statement group. ELA/L items may be aligned to more than one evidence statement. These items are aligned on the report in every evidence statement group that applies to that item. This means one item could be represented on the report multiple times depending on its alignment. Each evidence statement group on page 1 of this report contains one item or multiple items at the Cross-State level.

The evidence statements are placed in order on the graph from most to least difficult. This difficulty order is determined by the performance level of items based on the State level. Evidence statements where the State average points achieved versus the maximum points possible was lower are considered the more difficult categories.

F. Writing Tasks
This section charts information related to the performance of the writing tasks that are included on the PARCC assessment.

G. Written Expression and Writing Knowledge
Written Expression includes the development of ideas, organization, and clarity of language that the student demonstrates in the written response.

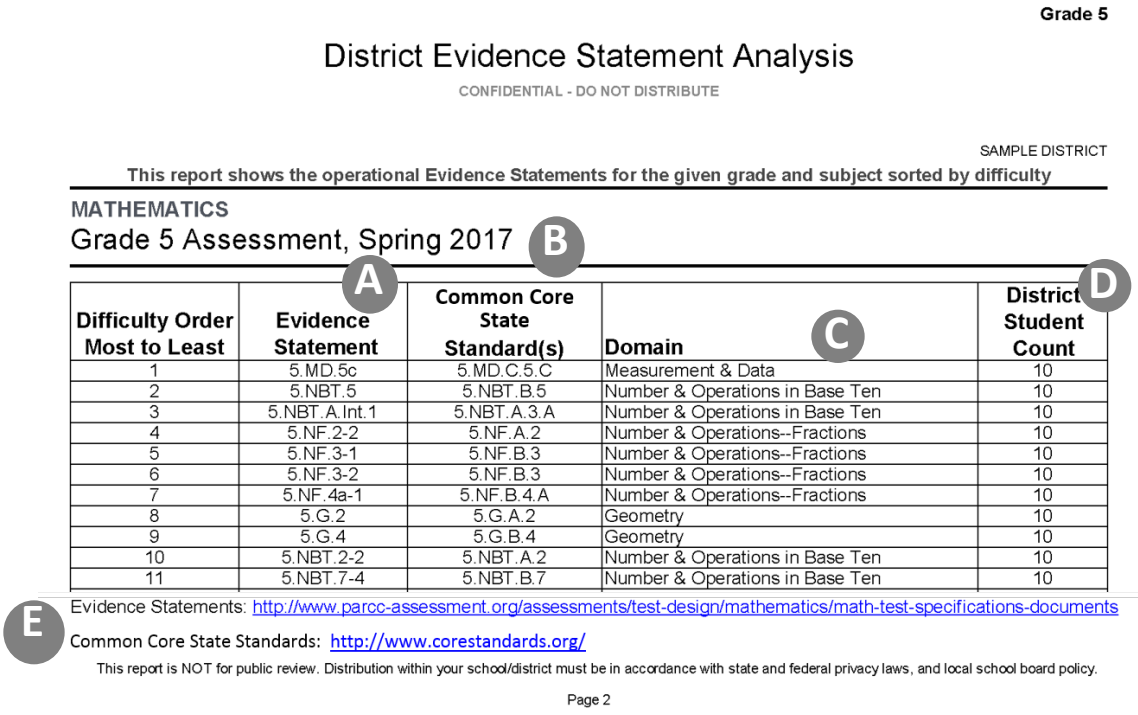
Writing Knowledge assesses the student's command of the conventions of standard English, including grammar and usage.

H. Prose Constructive Response (PCR)
This section breaks down the writing tasks by the three types of PCR items included on the PARCC assessment. The PCRs ask for a student response that analyzes some aspect of either literary pieces or informational pieces in the categories of Literary Analysis, Research Simulation, and Narrative Writing.

I. Legend
The legend for this graph provides a symbol for for Cross-State, State, District, and School values.

3.2.2 PARCC District and School Evidence Statement Analysis Report – Page 2

Page 2 of the PARCC District and School Evidence Statement Analysis Report links the PARCC Evidence Statements to the Common Core State Standard(s) upon which they are based.



Grade 5

District Evidence Statement Analysis

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SAMPLE DISTRICT

This report shows the operational Evidence Statements for the given grade and subject sorted by difficulty

MATHEMATICS

Grade 5 Assessment, Spring 2017

Difficulty Order Most to Least	Evidence Statement	Common Core State Standard(s)	Domain	District Student Count
1	5.MD.5c	5.MD.C.5.C	Measurement & Data	10
2	5.NBT.5	5.NBT.B.5	Number & Operations in Base Ten	10
3	5.NBT.A.Int.1	5.NBT.A.3.A	Number & Operations in Base Ten	10
4	5.NF.2-2	5.NF.A.2	Number & Operations--Fractions	10
5	5.NF.3-1	5.NF.B.3	Number & Operations--Fractions	10
6	5.NF.3-2	5.NF.B.3	Number & Operations--Fractions	10
7	5.NF.4a-1	5.NF.B.4.A	Number & Operations--Fractions	10
8	5.G.2	5.G.A.2	Geometry	10
9	5.G.4	5.G.B.4	Geometry	10
10	5.NBT.2-2	5.NBT.A.2	Number & Operations in Base Ten	10
11	5.NBT.7-4	5.NBT.B.7	Number & Operations in Base Ten	10

Evidence Statements: http://www.parcc-assessment.org/assessments/test-design/mathematics/math-test-specifications-documents

Common Core State Standards: http://www.corestandards.org/

This report is NOT for public review. Distribution within your school/district must be in accordance with state and federal privacy laws, and local school board policy.

Page 2

A. PARCC Evidence Statement

Evidence Statements are listed in the same order as on the page 1 graph, from most to least difficult.

B. Common Core State Standard(s)

The Common Core State Standard(s) linked to the PARCC Evidence Statement is listed in the third column. An evidence statement could be connected to multiple standards. There are some evidence statements that do not directly align to a Common Core State Standard. For those statements that are considered Modeling or Modeling & Reasoning - Securely Held Knowledge, that verbiage is indicated on the chart on page 2. Additionally, some integrated evidence statements are across multiple domains and are also not firmly linked to a specific Common Core Standards. Those statements will indicate "Multiple" on the report.

C. Domain

The Common Core Domain level is listed in this column.

D. Student Count (New for 2017)

The student count represents the number of students whose form of the assessment contained an item or items written to the evidence statement listed in column A. The count may differ by row as there are different forms of the assessment and not all forms include all items or evidence statements.

E. Additional Information

Links to more detailed information on the PARCC Evidence Statements and Common Core State Standards are provided at the bottom of the report.

Evidence Statements: http://www.parccon-assessment.org/assessments/test-design/mathematics/math-test- specifications-documents

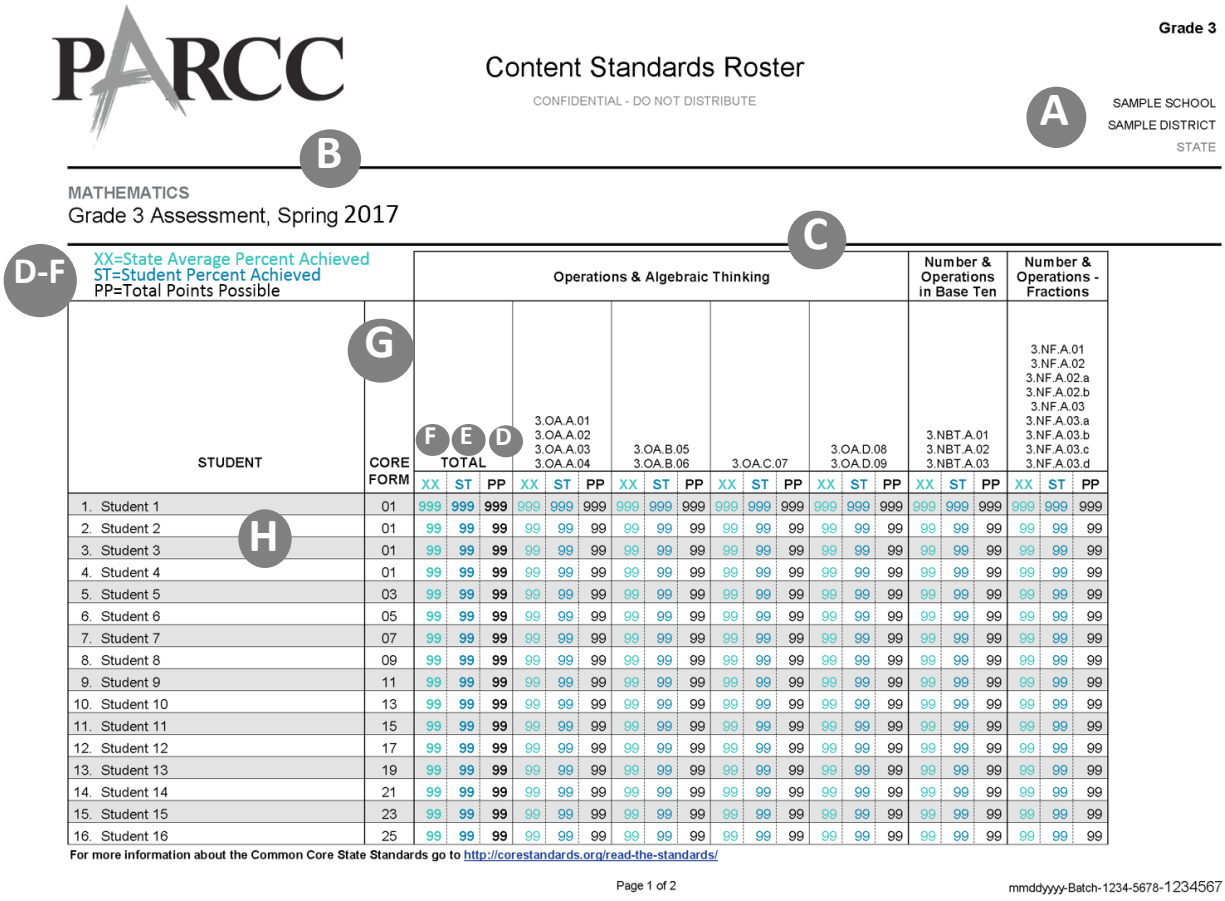
Common Core State Standards: http://www.corestandards.org/

4.0 Understanding the PARCC Content Standards Roster Report

4.1 General Overview

The PARCC Content Standards Roster Report analyzes the student performance of operational items on the PARCC Spring 2017 Assessment based on the Common Core State Standard upon which the PARCC Evidence Statements are based. The report is by grade level/course and content area at a school level.

4.2 Description of PARCC Content Standards Roster Report



PARCC

Grade 3

Content Standards Roster

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A

SAMPLE SCHOOL
SAMPLE DISTRICT
STATE

B

MATHEMATICS
Grade 3 Assessment, Spring 2017

C

D-F

XX=State Average Percent Achieved
ST=Student Percent Achieved
PP=Total Points Possible

STUDENT	CORE FORM	Operations & Algebraic Thinking												Number & Operations in Base Ten			Number & Operations - Fractions		
		F E D TOTAL			3.OA.A.01 3.OA.A.02 3.OA.A.03 3.OA.A.04			3.OA.B.05 3.OA.B.06			3.OA.C.07			3.OA.D.08 3.OA.D.09			3.NBT.A.01 3.NBT.A.02 3.NBT.A.03			3.NF.A.01 3.NF.A.02 3.NF.A.02.a 3.NF.A.02.b 3.NF.A.03 3.NF.A.03.a 3.NF.A.03.b 3.NF.A.03.c 3.NF.A.03.d		
	G	XX	ST	PP	XX	ST	PP	XX	ST	PP	XX	ST	PP	XX	ST	PP	XX	ST	PP	XX	ST	PP
1. Student 1	01	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
2. Student 2	01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
3. Student 3	01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
4. Student 4	01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
5. Student 5	03	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
6. Student 6	05	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
7. Student 7	07	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
8. Student 8	09	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
9. Student 9	11	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
10. Student 10	13	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
11. Student 11	15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
12. Student 12	17	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
13. Student 13	19	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
14. Student 14	21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15. Student 15	23	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
16. Student 16	25	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99

H

For more information about the Common Core State Standards go to http://corestandards.org/read-the-standards/

Page 1 of 2

mmddyyyy-Batch-1234-5678-1234567

A. School Information

Reports are provided at a school level by student.

B. Description of Report

The description of the content area (English Language Arts/Literacy or Mathematics) assessed, grade level/course assessed, and assessment year.

C. Common Core Domain and Standard

All operational items are combined into the Common Core Domain and Standard group into which it applies. Some items represent multiple standards and may therefore be included in multiple groups on this report. If a domain has more than one standard for that grade level/course, then a total column will also be provided. A description of the domain and standard headings are in **Appendix A**.

A more descriptive explanation of the standards and their domains can be found at the link http://www.corestandards.org/.

D. Total and Points Possible

Within all domains and standards, this report provides the total points possible for that group based on the items in that group and the maximum points possible for those items.

For example a standard might have four items aligned to it. Three of those items might be worth 2 points each and one item worth 4 points, meaning that group would have a maximum points possible of 10 points.

Columns with no items aligned or items which have a maximum points possible of fewer than 6 points will show an “n/a” in the total points possible column. For domains with multiple standard groups, this amount will still be included in the total.

E. Student Percent Achieved

This column shows the percent achieved of the total points possible each student listed received in each domain and standard group. Groups with fewer than 6 maximum points will have "< 6" listed in this column, not the student's percent correct. For Domains with multiple standard groups, this amount will still be included in the total.

F. State Average Percent Achieved

This column provides the average percent achieved for all students in the state with valid scores for each domain and standard group at an operational form combination. Groups with fewer than 6 maximum points will have "< 6" listed in this column, not the student's percent correct. For Domains with multiple standard groups, this amount will still be included in the total.

G. Core Form

This column indicates the operational core form taken by each student listed for the the Spring 2017 administration. The form is determined by the core operational form. Form codes starting with the letter P are paper; forms starting with the letter O are online and forms starting with the letter A are accommodated forms. Information for all columns (Total Points Possible, Student Percent Achieved, State Average Percent Achieved) are for that student's individual operational form combination. Comparisons cannot be made for students across domains unless both students took the exact form for the report administration.

For example, the student listed may have taken a form 15 or a text-to-speech form as per their form assignment in PearsonAccess^{next} but the core operational form for both of these may have been core form 1 or 2.

H. Student Information

Students will be listed by last name, first name in alphabetical order. Students are listed if a valid summative score is available for those students whose score has not been suppressed.

Appendix A

Common Core Domains and Standards

English Language Arts

Grade 3

Common Core State Standards	Common Core Domain	Common Core Standard
RL.3.1 RL.3.2 RL.3.3	Reading: Literature	Key Ideas & Details
RL.3.4 RL.3.5 RL.3.6	Reading: Literature	Craft & Structure
RL.3.7 RL.3.8 RL.3.9	Reading: Literature	Integration of Knowledge & Ideas
RI.3.1 RI.3.2 RI.3.3	Reading: Informational Text	Key Ideas & Details
RI.3.4 RI.3.5 RI.3.6	Reading: Informational Text	Craft & Structure
RI.3.4 RI.3.5 RI.3.6	Reading: Informational Text	Integration of Knowledge & Ideas
L.3.4 L.3.4.a L.3.4.b L.3.4.c L.3.4.d L.3.5 L.3.5.a L.3.5.b L.3.5.c L.3.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use

English Language Arts

Grade 4

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.4.1 RL.4.2 RL.4.3	Reading: Literature	Key Ideas & Details
RL.4.4 RL.4.5 RL.4.6	Reading: Literature	Craft & Structure
RL.4.7 RL.4.8 RL.4.9	Reading: Literature	Integration of Knowledge & Ideas
RI.4.1 RI.4.2 RI.4.3	Reading: Informational Text	Key Ideas & Details
RI.4.4 RI.4.5 RI.4.6	Reading: Informational Text	Craft & Structure
RI.4.4 RI.4.5 RI.4.6	Reading: Informational Text	Integration of Knowledge & Ideas
L.4.4 L.4.4.a L.4.4.b L.4.4.c L.4.5 L.4.5.a L.4.5.b L.4.5.c L.4.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use

English Language Arts

Grade 5

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.5.1 RL.5.2 RL.5.3	Reading: Literature	Key Ideas & Details
RL.5.4 RL.5.5 RL.5.6	Reading: Literature	Craft & Structure
RL.5.7 RL.5.8 RL.5.9	Reading: Literature	Integration of Knowledge & Ideas
RI.5.1 RI.5.2 RI.5.3	Reading: Informational Text	Key Ideas & Details
RI.5.4 RI.5.5 RI.5.6	Reading: Informational Text	Craft & Structure
RI.5.4 RI.5.5 RI.5.6	Reading: Informational Text	Integration of Knowledge & Ideas
L.5.4 L.5.4.a L.5.4.b L.5.4.c L.5.5 L.5.5.a L.5.5.b L.5.5.c L.5.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use

English Language Arts

Grade 6

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.6.1 RL.6.2 RL.6.3	Reading: Literature	Key Ideas & Details
RL.6.4 RL.6.5 RL.6.6	Reading: Literature	Craft & Structure
RL.6.7 RL.6.8 RL.6.9	Reading: Literature	Integration of Knowledge & Ideas
RI.6.1 RI.6.2 RI.6.3	Reading: Informational Text	Key Ideas & Details
RI.6.4 RI.6.5 RI.6.6	Reading: Informational Text	Craft & Structure
RI.6.4 RI.6.5 RI.6.6	Reading: Informational Text	Integration of Knowledge & Ideas
L.6.4 L.6.4.a L.6.4.b L.6.4.c L.6.4.d L.6.5 L.6.5.a L.6.5.b L.6.5.c L.6.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use
RH.6-8.1 RH.6-8.2	Literacy in History/Social Studies	Key Ideas and Details

RH.6-8.3 RH.6-8.4 RH.6-8.5 RH.6-8.6 RH.6-8.7 RH.6-8.8 RH.6-8.9 RH.6-8.10		Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity
RST.6-8.1 RST.6-8.2 RST.6-8.3 RST.6-8.4 RST.6-8.5 RST.6-8.6 RST.6-8.7 RST.6-8.8 RST.6-8.9 RST.6-8.10	Literacy in Science & Technical Subjects	Key Ideas and Details Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity

English Language Arts

Grade 7

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.7.1 RL.7.2 RL.7.3	Reading: Literature	Key Ideas & Details
RL.7.4 RL.7.5 RL.7.6	Reading: Literature	Craft & Structure
RL.7.7 RL.7.8 RL.7.9	Reading: Literature	Integration of Knowledge & Ideas
RI.7.1 RI.7.2 RI.7.3	Reading: Informational Text	Key Ideas & Details
RI.7.4 RI.7.5 RI.7.6	Reading: Informational Text	Craft & Structure
RI.7.4 RI.7.5 RI.7.6	Reading: Informational Text	Integration of Knowledge & Ideas
L.7.4 L.7.4.a L.7.4.b L.7.4.c L.7.4.d L.7.5 L.7.5.a L.7.5.b L.7.5.c L.7.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use
RH.6-8.1 RH.6-8.2	Literacy in History/Social Studies	Key Ideas and Details

RH.6-8.3 RH.6-8.4 RH.6-8.5 RH.6-8.6 RH.6-8.7 RH.6-8.8 RH.6-8.9 RH.6-8.10		Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity
7.2.1.N.2 7.2.2.N.2	Literacy in Science & Technical Subjects	Key Ideas and Details Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity

English Language Arts

Grade 8

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.8.1 RL.8.2 RL.8.3	Reading: Literature	Key Ideas & Details
RL.8.4 RL.8.5 RL.8.6	Reading: Literature	Craft & Structure
RL.8.7 RL.8.8 RL.8.9	Reading: Literature	Integration of Knowledge & Ideas
RI.8.1 RI.8.2 RI.8.3	Reading: Informational Text	Key Ideas & Details
RI.8.4 RI.8.5 RI.8.6	Reading: Informational Text	Craft & Structure
RI.8.4 RI.8.5 RI.8.6	Reading: Informational Text	Integration of Knowledge & Ideas
L.8.4 L.8.4.a L.8.4.b L.8.4.c L.8.4.d L.8.5 L.8.5.a L.8.5.b L.8.5.c L.8.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use
RH.6-8.1 RH.6-8.2	Literacy in History/Social Studies	Key Ideas and Details

RH.6-8.3 RH.6-8.4 RH.6-8.5 RH.6-8.6 RH.6-8.7 RH.6-8.8 RH.6-8.9 RH.6-8.10		Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity
RST.6-8.1 RST.6-8.2 RST.6-8.3 RST.6-8.4 RST.6-8.5 RST.6-8.6 RST.6-8.7 RST.6-8.8 RST.6-8.9 RST.6-8.10	Literacy in Science & Technical Subjects	Key Ideas and Details Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity

English Language Arts

Grade 9

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.9-10.1 RL.9-10.2 RL.9-10.3	Reading: Literature	Key Ideas & Details
RL.9-10.4 RL.9-10.5 RL.9-10.6	Reading: Literature	Craft & Structure
RL.9-10.7 RL.9-10.8 RL.9-10.9	Reading: Literature	Integration of Knowledge & Ideas
RI.9-10.1 RI.9-10.2 RI.9-10.3	Reading: Informational Text	Key Ideas & Details
RI.9-10.1 RI.9-10.2 RI.9-10.3	Reading: Informational Text	Craft & Structure
RI.9-10.7 RI.9-10.8 RI.9-10.9	Reading: Informational Text	Integration of Knowledge & Ideas
L.9-10.4 L.9-10.4.a L.9-10.4.b L.9-10.4.c L.9-10.4.d L.9-10.5 L.9-10.5.a L.9-10.5.b L.9-10.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use
RH.9-10.1 RH.9-10.2 RH.9-10.3	Literacy in History/Social Studies	Key Ideas and Details Craft and Structure

RH.9-10.4 RH.9-10.5 RH.9-10.6 RH.9-10.7 RH.9-10.8 RH.9-10.9 RH.9-10.10		Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity
RST.9-10.1 RST.9-10.2 RST.9-10.3 RST.9-10.4 RST.9-10.5 RST.9-10.6 RST.9-10.7 RST.9-10.8 RST.9-10.9 RST.9-10.10	Literacy in Science & Technical Subjects	Key Ideas and Details Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity

English Language Arts

Grade 10

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.9-10.1 RL.9-10.2 RL.9-10.3	Reading: Literature	Key Ideas & Details
RL.9-10.4 RL.9-10.5 RL.9-10.6	Reading: Literature	Craft & Structure
RL.9-10.7 RL.9-10.8 RL.9-10.9	Reading: Literature	Integration of Knowledge & Ideas
RI.9-10.1 RI.9-10.2 RI.9-10.3	Reading: Informational Text	Key Ideas & Details
RI.9-10.4 RI.9-10.5 RI.9-10.6	Reading: Informational Text	Craft & Structure
RI.9-10.7 RI.9-10.8 RI.9-10.9	Reading: Informational Text	Integration of Knowledge & Ideas
L.9-10.4 L.9-10.4.a L.9-10.4.b L.9-10.4.c L.9-10.4.d L.9-10.5 L.9-10.5.a L.9-10.5.b L.9-10.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use
RH.9-10.1 RH.9-10.2 RH.9-10.3	Literacy in History/Social Studies	Key Ideas and Details Craft and Structure

RH.9-10.4 RH.9-10.5 RH.9-10.6 RH.9-10.7 RH.9-10.8 RH.9-10.9 RH.9-10.10		Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity
RST.9-10.1 RST.9-10.2 RST.9-10.3 RST.9-10.4 RST.9-10.5 RST.9-10.6 RST.9-10.7 RST.9-10.8 RST.9-10.9 RST.9-10.10	Literacy in Science & Technical Subjects	Key Ideas and Details Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity

English Language Arts

Grade 11

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
RL.11-12.1 RL.11-12.2 RL.11-12.3	Reading: Literature	Key Ideas & Details
RL.11-12.4 RL.11-12.5 RL.11-12.6	Reading: Literature	Craft & Structure
RL.11-12.7 RL.11-12.8 RL.11-12.9	Reading: Literature	Integration of Knowledge & Ideas
RI.11-12.1 RI.11-12.2 RI.11-12.3	Reading: Informational Text	Key Ideas & Details
RI.11-12.4 RI.11-12.5 RI.11-12.6	Reading: Informational Text	Craft & Structure
RI.11-12.7 RI.11-12.8 RI.11-12.9	Reading: Informational Text	Integration of Knowledge & Ideas
L.11-12.4 L.11-12.4.a L.11-12.4.b L.11-12.4.c L.11-12.4.d L.11-12.5 L.11-12.5.a L.11-12.5.b L.11-12.6	Language	Conventions of Standard English Knowledge of Language Vocabulary Acquisition and Use
RH.11-12.1 RH.11-12.2 RH.11-12.3	Literacy in History/Social Studies	Key Ideas and Details Craft and Structure

RH.11-12.4 RH.11-12.5 RH.11-12.6 RH.11-12.7 RH.11-12.8 RH.11-12.9 RH.11-12.10		Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity
RST.11-12.1 RST.11-12.2 RST.11-12.3 RST.11-12.4 RST.11-12.5 RST.11-12.6 RST.11-12.7 RST.11-12.8 RST.11-12.9 RST.11-12.10	Literacy in Science & Technical Subjects	Key Ideas and Details Craft and Structure Integration of Knowledge and Ideas Range of Reading and Level of Text Complexity

MATHEMATICS

Grade 3

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
3.OA.A.1 3.OA.A.2 3.OA.A.3 3.OA.A.4	Operations & Algebraic Thinking	Represent and solve problems involving multiplication and division.
3.OA.B.5 3.OA.B.6	Operations & Algebraic Thinking	Understand properties of multiplication and the relationship between multiplication and division.
3.OA.C.7	Operations & Algebraic Thinking	Multiply and divide within 100.
3.OA.D.8 3.OA.D.9	Operations & Algebraic Thinking	Solve problems involving the four operations, and identify and explain patterns in arithmetic.
3.NBT.A.1 3.NBT.A.2 3.NBT.A.3	Number & Operations in Base Ten	Use place value understanding and properties of operations to perform multi-digit arithmetic.[1]
3.NF.A.1 3.NF.A.2 3.NF.A.2.a 3.NF.A.2.b 3.NF.A.3 3.NF.A.3.a 3.NF.A.3.b 3.NF.A.3.c 3.NF.A.3.d	Number & Operations—Fractions[1]	Develop understanding of fractions as numbers.
3.MD.A.1 3.MD.A.2	Measurement & Data	Solve problems involving measurement and estimation.
3.MD.B.3 3.MD.B.4	Measurement & Data	Represent and interpret data.
3.MD.C.5 3.MD.C.5.a 3.MD.C.5.b	Measurement & Data	Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

3.MD.C.6 3.MD.C.7 3.MD.C.7.a 3.MD.C.7.b 3.MD.C.7.c 3.MD.C.7.d		
3.MD.D.8	Measurement & Data	Geometric measurement: recognize perimeter.
3.G.A.1 3.G.A.2	Geometry	Reason with shapes and their attributes.

MATHEMATICS

Grade 4

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
4.OA.A.1 4.OA.A.2 4.OA.A.3	Operations & Algebraic Thinking	Use the four operations with whole numbers to solve problems.
4.OA.B.4	Operations & Algebraic Thinking	Gain familiarity with factors and multiples.
4.OA.C.5	Operations & Algebraic Thinking	Generate and analyze patterns.
4.NBT.A.1 4.NBT.A.2 4.NBT.A.3	Number & Operations in Base Ten	Generalize place value understanding for multi-digit whole numbers.
4.NBT.B.4 4.NBT.B.5 4.NBT.B.6	Number & Operations in Base Ten	Use place value understanding and properties of operations to perform multi-digit arithmetic.
4.NF.A.1 4.NF.A.2	Number & Operations - Fractions	Extend understanding of fraction equivalence and ordering.
4.NF.B.3 4.NF.B.3.a 4.NF.B.3.b 4.NF.B.3.c 4.NF.B.3.d 4.NF.B.4 4.NF.B.4.a 4.NF.B.4.b 4.NF.B.4.c	Number & Operations - Fractions	Build fractions from unit fractions.
4.NF.C.5 4.NF.C.6 4.NF.C.7	Number & Operations - Fractions	Understand decimal notation for fractions, and compare decimal fractions.
4.MD.A.1 4.MD.A.2 4.MD.A.3	Measurement & Data	Solve problems involving measurement and conversion of measurements.

4.MD.B.4	Measurement & Data	Represent and interpret data.
4.MD.C.5 4.MD.C.5.a 4.MD.C.5.b 4.MD.C.6 4.MD.C.7	Measurement & Data	Geometric measurement: understand concepts of angle and measure angles.
4.G.A.1 4.G.A.2 4.G.A.3	Geometry	Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

MATHEMATICS

Grade 5

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
5.OA.A.1 5.OA.A.2	Operations & Algebraic Thinking	Write and interpret numerical expressions.
5.OA.B.3	Operations & Algebraic Thinking	Analyze patterns and relationships.
5.NBT.A.1 5.NBT.A.2 5.NBT.A.3 5.NBT.A.3.a 5.NBT.A.3.b 5.NBT.A.4	Number & Operations in Base Ten	Understand the place value system.
5.NBT.B.5 5.NBT.B.6 5.NBT.B.7	Number & Operations in Base Ten	Perform operations with multi-digit whole numbers and with decimals to hundredths.
5.NF.A.1 5.NF.A.2	Number & Operations - Fractions	Use equivalent fractions as a strategy to add and subtract fractions.
5.NF.B.3 5.NF.B.4 5.NF.B.4.a 5.NF.B.4.b 5.NF.B.5 5.NF.B.5.a 5.NF.B.5.b 5.NF.B.6 5.NF.B.7 5.NF.B.7.a 5.NF.B.7.b 5.NF.B.7.c	Number & Operations - Fractions	Apply and extend previous understandings of multiplication and division.
5.MD.A.1	Measurement & Data	Convert like measurement units within a given measurement system.

5.MD.B.2	Measurement & Data	Represent and interpret data.
5.MD.C.3 5.MD.C.3.a 5.MD.C.3.b 5.MD.C.4 5.MD.C.5 5.MD.C.5.a 5.MD.C.5.b 5.MD.C.5.c	Measurement & Data	Geometric measurement: understand concepts of volume.
5.G.A.1 5.G.A.2	Geometry	Geometric measurement: understand concepts of volume.
5.G.B.3 5.G.B.4	Geometry	Classify two-dimensional figures into categories based on their properties.

MATHEMATICS

Grade 6

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
6.RP.A.1 6.RP.A.2 6.RP.A.3 6.RP.A.3.a 6.RP.A.3.b 6.RP.A.3.c 6.RP.A.3.d	Ratios & Proportional Relationships	Understand ratio concepts and use ratio reasoning to solve problems.
6.NS.A.1	The Number System	Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
6.NS.B.2 6.NS.B.3 6.NS.B.4	The Number System	Compute fluently with multi-digit numbers and find common factors and multiples.
6.NS.C.5 6.NS.C.6 6.NS.C.6.a 6.NS.C.6.b 6.NS.C.6.c 6.NS.C.7 6.NS.C.7.a 6.NS.C.7.b 6.NS.C.7.c 6.NS.C.7.d 6.NS.C.8	The Number System	Apply and extend previous understandings of numbers to the system of rational numbers.
6.EE.A.1 6.EE.A.2 6.EE.A.2.a 6.EE.A.2.b	Expressions & Equations	Apply and extend previous understandings of arithmetic to algebraic expressions.

6.EE.A.2.c 6.EE.A.3 6.EE.A.4		
6.EE.B.5 6.EE.B.6 6.EE.B.7 6.EE.B.8	Expressions & Equations	Reason about and solve one-variable equations and inequalities.
6.EE.C.9	Expressions & Equations	Represent and analyze quantitative relationships between dependent and independent variables.
6.G.A.1 6.G.A.2 6.G.A.3 6.G.A.4	Geometry	Solve real-world and mathematical problems involving area, surface area, and volume.
6.SP.A.1 6.SP.A.2 6.SP.A.3	Statistics & Probability	Develop understanding of statistical variability.
6.SP.B.4 6.SP.B.5 6.SP.B.5.a 6.SP.B.5.b 6.SP.B.5.c 6.SP.B.5.d	Statistics & Probability	Summarize and describe distributions.

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
7.RP.A.1 7.RP.A.2 7.RP.A.2.a 7.RP.A.2.b 7.RP.A.2.c 7.RP.A.2.d 7.RP.A.3	Ratios & Proportional Relationships	Analyze proportional relationships and use them to solve real-world and mathematical problems.
7.NS.A.1 7.NS.A.1.a 7.NS.A.1.b 7.NS.A.1.c 7.NS.A.1.d 7.NS.A.2 7.NS.A.2.a 7.NS.A.2.b 7.NS.A.2.c 7.NS.A.2.d 7.NS.A.3	The Number System	Apply and extend previous understandings of operations with fractions.
7.EE.A.1 7.EE.A.2	Expressions & Equations	Use properties of operations to generate equivalent expressions.
.EE.B.3 7.EE.B.4 7.EE.B.4.A 7.EE.B.4.B	Expressions & Equations	Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
7.G.A.1 7.G.A.2 7.G.A.3	Geometry	Draw construct, and describe geometrical figures and describe the relationships between them.
7.G.B.4 7.G.B.5 7.G.B.6	Geometry	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
7.SP.A.1 7.SP.A.2	Statistics & Probability	Use random sampling to draw inferences about a population.

7.SP.B.3 7.SP.B.4	Statistics & Probability	Draw informal comparative inferences about two populations.
7.SP.C.5 7.SP.C.6 7.SP.C.7 7.SP.C.7.a 7.SP.C.7.b 7.SP.C.8 7.SP.C.8.a 7.SP.C.8.b 7.SP.C.8.c	Statistics & Probability	Investigate chance processes and develop, use, and evaluate probability models.

MATHEMATICS

Grade 8

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
8.NS.A.1 8.NS.A.2	The Number System	Know that there are numbers that are not rational, and approximate them by rational numbers.
8.EE.A.1 8.EE.A.2 8.EE.A.3 8.EE.A.4	Expressions & Equations	Expressions and Equations Work with radicals and integer exponents.
8.EE.B.5 8.EE.B.6	Expressions & Equations	Understand the connections between proportional relationships, lines, and linear equations.
8.EE.C.7 8.EE.C.7.a 8.EE.C.7.b 8.EE.C.8 8.EE.C.8.a 8.EE.C.8.b 8.EE.C.8.c	Expressions & Equations	Analyze and solve linear equations and pairs of simultaneous linear equations.
8.F.A.1 8.F.A.2 8.F.A.3	Functions	Define, evaluate, and compare functions.
8.F.B.4 8.F.B.5	Functions	Use functions to model relationships between quantities.
8.G.A.1 8.G.A.1.a 8.G.A.1.b 8.G.A.1.c 8.G.A.2 8.G.A.3 8.G.A.4 8.G.A.5	Geometry	Understand congruence and similarity using physical models, transparencies, or geometry software.
8.G.B.6 8.G.B.7 8.G.B.8	Geometry	Understand and apply the Pythagorean Theorem.
8.G.C.9	Geometry	Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

8.SP.A.1 8.SP.A.2 8.SP.A.3 8.SP.A.4	Statistics & Probability	Investigate patterns of association in bivariate data.

MATHEMATICS

Algebra I

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
N.RN N.RN.A.1 N.RN.A.2 N.RN.B.3	Number and Quantity – The Real Number System	Extend the properties of exponents to rational exponents. Use properties of rational and irrational numbers.
A.SSE.A.1 A.SSE.A.2 A.SSE.B.3 A.SSE.B.4	Algebra – Seeing Structure in Expressions	Interpret the structure of expressions. Write expressions in equivalent forms to solve problems.
A.APR.A.1 A.APR.B.2 A.APR.B.3 A.APR.C.4 A.APR.C.5 A.APR.D.6 A.APR.D.7	Algebra – Arithmetic with Polynomials & Rational Expressions	Perform arithmetic operations on polynomials. Understand the relationship between zeros and factors of polynomials. Use polynomial identities to solve problems. Rewrite rational expressions.
A.CED.A.1 A.CED.A.2 A.CED.A.3 A.CED.A.4	Algebra – Creating Equations	Create equations that describe numbers or relationships.
A.REI.A.1 A.REI.A.2 A.REI.B.3 A.REI.B.4 A.REI.C.5 A.REI.C.6 A.REI.C.7 A.REI.C.8 A.REI.C.9 A.REI.D.10 A.REI.D.11 A.REI.D.12	Algebra – Reasoning with Equations & Inequalities	Understand solving equations as a process of reasoning and explain the reasoning. Solve equations and inequalities in one variable. Solve systems of equations. Represent and solve equations and inequalities graphically.

F.IF.A.1 F.IF.A.2 F.IF.A.3 F.IF.B.4 F.IF.B.5 F.IF.B.6 F.IF.C.7 F.IF.C.8 F.IF.C.9	Functions – Interpreting Functions	Understand the concept of a function and use function notation. Interpret functions that arise in applications in terms of the context. Analyze functions using different representations.
F.BF.A.1 F.BF.A.2 F.BF.B.3 F.BF.B.4 F.BF.B.5	Functions – Building Functions	Build a function that models a relationship between two quantities. Build new functions from existing functions.
F.LE.A.1 F.LE.A.2 F.LE.A.3 F.LE.A.4 F.LE.B.5	Functions – Linear, Quadratic, & Exponential Models	Construct and compare linear, quadratic, and exponential models and solve problems. Interpret expressions for functions in terms of the situation they model.
S.ID.A.1 S.ID.A.2 S.ID.A.3 S.ID.A.4 S.ID.B.5 S.ID.B.6 S.ID.C.7 S.ID.C.8 S.ID.C.9	Statistics & Probability – Interpreting Categorical & Quantitative Data	Summarize, represent, and interpret data on a single count or measurement variable Summarize, represent, and interpret data on two categorical and quantitative variables Interpret linear models

MATHEMATICS

Algebra II

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
N.RN N.RN.A.1 N.RN.A.2 N.RN.B.3	Number and Quantity – The Real Number System	Extend the properties of exponents to rational exponents. Use properties of rational and irrational numbers.
N.CN N.CN.A.1 N.CN.A.2 N.CN.A.3 N.CN.B.4 N.CN.B.5 N.CN.B.6 N.CN.C.7 N.CN.C.8 N.CN.C.9	Number and Quantity – The Complex Number System	Perform arithmetic operations with complex numbers. Represent complex numbers and their operations on the complex plane. Use complex numbers in polynomial identities and equations.
A.SSE.A.1 A.SSE.A.2 A.SSE.B.3 A.SSE.B.4	Algebra – Seeing Structure in Expressions	Interpret the structure of expressions. Write expressions in equivalent forms to solve problems.
A.APR.A.1 A.APR.B.2 A.APR.B.3 A.APR.C.4 A.APR.C.5 A.APR.D.6 A.APR.D.7	Algebra – Arithmetic with Polynomials & Rational Expressions	Perform arithmetic operations on polynomials. Understand the relationship between zeros and factors of polynomials. Use polynomial identities to solve problems. Rewrite rational expressions.

A.REI.A.1 A.REI.A.2 A.REI.B.3 A.REI.B.4 A.REI.C.5 A.REI.C.6 A.REI.C.7 A.REI.C.8 A.REI.C.9 A.REI.D.10 A.REI.D.11 A.REI.D.12	Algebra – Reasoning with Equations & Inequalities	Understand solving equations as a process of reasoning and explain the reasoning. Solve equations and inequalities in one variable. Solve systems of equations. Represent and solve equations and inequalities graphically.
F.IF.A.1 F.IF.A.2 F.IF.A.3 F.IF.B.4 F.IF.B.5 F.IF.B.6 F.IF.C.7 F.IF.C.8 F.IF.C.9	Functions – Interpreting Functions	Understand the concept of a function and use function notation. Interpret functions that arise in applications in terms of the context. Analyze functions using different representations.
F.BF.A.1 F.BF.A.2 F.BF.B.3 F.BF.B.4 F.BF.B.5	Functions – Building Functions	Build a function that models a relationship between two quantities. Build new functions from existing functions.
F.LE.A.1 F.LE.A.2 F.LE.A.3 F.LE.A.4 F.LE.B.5	Functions – Linear, Quadratic, & Exponential Models	Construct and compare linear, quadratic, and exponential models and solve problems. Interpret expressions for functions in terms of the situation they model.
F.TF.A.1 F.TF.A.2 F.TF.A.3 F.TF.A.4 F.TF.B.5 F.TF.B.6 F.TF.B.7 F.TF.C.8 F.TF.C.9	Functions – Trigonometric Functions	Extend the domain of trigonometric functions using the unit circle. Model periodic phenomena with trigonometric functions. Prove and apply trigonometric identities.

S.ID.A.1 S.ID.A.2 S.ID.A.3 S.ID.A.4 S.ID.B.5 S.ID.B.6 S.ID.C.7 S.ID.C.8 S.ID.C.9	Statistics & Probability – Interpreting Categorical & Quantitative Data	Summarize, represent, and interpret data on a single count or measurement variable Summarize, represent, and interpret data on two categorical and quantitative variables Interpret linear models
S.IC.A.1 S.IC.A.2 S.IC.B.3 S.IC.B.4 S.IC.B.5 S.IC.B.6	Statistics & Probability - Making Inferences & Justifying Conclusions	Understand and evaluate random processes underlying statistical experiments Make inferences and justify conclusions from sample surveys, experiments, and observational studies
S.CP.A.1 S.CP.A.2 S.CP.A.3 S.CP.A.4 S.CP.A.5 S.CP.B.6 S.CP.B.7 S.CP.B.8 S.CP.B.9	Statistics & Probability - Conditional Probability & the Rules of Probability	Understand independence and conditional probability and use them to interpret data Use the rules of probability to compute probabilities of compound events.

MATHEMATICS

Geometry

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
G.CO.A.1 G.CO.A.2 G.CO.A.3 G.CO.A.4 G.CO.A.5 G.CO.B.6 G.CO.B.7 G.CO.B.8 G.CO.C.9 G.CO.C.10 G.CO.C.11 G.CO.D.12 G.CO.D.13	Geometry - Congruence	Experiment with transformations in the plane Understand congruence in terms of rigid motions Prove geometric theorems Make geometric constructions
G.SRT.A.1 G.SRT.A.2 G.SRT.A.3 G.SRT.B.4 G.SRT.B.5 G.SRT.C.6 G.SRT.C.7 G.SRT.C.8 G.SRT.D.9 G.SRT.D.10 G.SRT.D.11	Geometry – Similarity, Right Triangles, & Trigonometry	Understand similarity in terms of similarity transformations Prove theorems involving similarity Define trigonometric ratios and solve problems involving right triangles Apply trigonometry to general triangles
G.C.A.1 G.C.A.2 G.C.A.3 G.C.A.4 G.C.B.5 G.C.B.6	Geometry - Circles	Understand and apply theorems about circles Find arc lengths and areas of sectors of circles

G.GPE.A.1 G.GPE.A.2 G.GPE.A.3 G.GPE.B.4 G.GPE.B.5 G.GPE.B.6 G.GPE.B.7	Geometry – Expressing Geometric Properties with Equations	Translate between the geometric description and the equation for a conic section Use coordinates to prove simple geometric theorems algebraically
G.GMD.A.1 G.GMD.A.2 G.GMD.A.3 G.GMD.B.4	Geometry – Geometric Measurement & Dimension	Explain volume formulas and use them to solve problems Visualize relationships between two-dimensional and three-dimensional objects
G.MG.A G.MG.A.1 G.MG.A.2 G.MG.A.3	Geometry – Modeling with Geometry	Apply geometric concepts in modeling situations

MATHEMATICS

Integrated Math I

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
A.SSE.A.1 A.SSE.A.2 A.SSE.B.3 A.SSE.B.4	Algebra – Seeing Structure in Expressions	Interpret the structure of expressions. Write expressions in equivalent forms to solve problems.
A.CED.A.1 A.CED.A.2 A.CED.A.3 A.CED.A.4	Algebra – Creating Equations	Create equations that describe numbers or relationships.
A.REI.A.1 A.REI.A.2 A.REI.B.3 A.REI.B.4 A.REI.C.5 A.REI.C.6 A.REI.C.7 A.REI.C.8 A.REI.C.9 A.REI.D.10 A.REI.D.11 A.REI.D.12	Algebra – Reasoning with Equations & Inequalities	Understand solving equations as a process of reasoning and explain the reasoning. Solve equations and inequalities in one variable. Solve systems of equations. Represent and solve equations and inequalities graphically.
F.IF.A.1 F.IF.A.2 F.IF.A.3 F.IF.B.4 F.IF.B.5 F.IF.B.6 F.IF.C.7 F.IF.C.8 F.IF.C.9	Functions – Interpreting Functions	Understand the concept of a function and use function notation. Interpret functions that arise in applications in terms of the context. Analyze functions using different representations.

F.BF.A.1 F.BF.A.2 F.BF.B.3 F.BF.B.4 F.BF.B.5	Functions – Building Functions	Build a function that models a relationship between two quantities. Build new functions from existing functions.
F.LE.A.1 F.LE.A.2 F.LE.A.3 F.LE.A.4 F.LE.B.5	Functions – Linear, Quadratic, & Exponential Models	Construct and compare linear, quadratic, and exponential models and solve problems. Interpret expressions for functions in terms of the situation they model.
G.CO.A.1 G.CO.A.2 G.CO.A.3 G.CO.A.4 G.CO.A.5 G.CO.B.6 G.CO.B.7 G.CO.B.8 G.CO.C.9 G.CO.C.10 G.CO.C.11 G.CO.D.12 G.CO.D.13	Geometry - Congruence	Experiment with transformations in the plane Understand congruence in terms of rigid motions Prove geometric theorems Make geometric constructions
S.ID.A.1 S.ID.A.2 S.ID.A.3 S.ID.A.4 S.ID.B.5 S.ID.B.6 S.ID.C.7 S.ID.C.8 S.ID.C.9	Statistics & Probability – Interpreting Categorical & Quantitative Data	Summarize, represent, and interpret data on a single count or measurement variable Summarize, represent, and interpret data on two categorical and quantitative variables Interpret linear models

MATHEMATICS

Integrated Math II

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
N.RN N.RN.A.1 N.RN.A.2 N.RN.B.3	Number and Quantity – The Real Number System	Extend the properties of exponents to rational exponents. Use properties of rational and irrational numbers.
N.CN N.CN.A.1 N.CN.A.2 N.CN.A.3 N.CN.B.4 N.CN.B.5 N.CN.B.6 N.CN.C.7 N.CN.C.8 N.CN.C.9	Number and Quantity – The Complex Number System	Perform arithmetic operations with complex numbers. Represent complex numbers and their operations on the complex plane. Use complex numbers in polynomial identities and equations.
A.SSE.A.1 A.SSE.A.2 A.SSE.B.3 A.SSE.B.4	Algebra – Seeing Structure in Expressions	Interpret the structure of expressions. Write expressions in equivalent forms to solve problems.
A.APR.A.1 A.APR.B.2 A.APR.B.3 A.APR.C.4 A.APR.C.5 A.APR.D.6 A.APR.D.7	Algebra – Arithmetic with Polynomials & Rational Expressions	Perform arithmetic operations on polynomials. Understand the relationship between zeros and factors of polynomials. Use polynomial identities to solve problems. Rewrite rational expressions.
A.CED.A.1 A.CED.A.2 A.CED.A.3 A.CED.A.4	Algebra – Creating Equations	Create equations that describe numbers or relationships.

A.REI.A.1 A.REI.A.2 A.REI.B.3 A.REI.B.4 A.REI.C.5 A.REI.C.6 A.REI.C.7 A.REI.C.8 A.REI.C.9 A.REI.D.10 A.REI.D.11 A.REI.D.12	Algebra – Reasoning with Equations & Inequalities	Understand solving equations as a process of reasoning and explain the reasoning. Solve equations and inequalities in one variable. Solve systems of equations. Represent and solve equations and inequalities graphically.
F.IF.A.1 F.IF.A.2 F.IF.A.3 F.IF.B.4 F.IF.B.5 F.IF.B.6 F.IF.C.7 F.IF.C.8 F.IF.C.9	Functions – Interpreting Functions	Understand the concept of a function and use function notation. Interpret functions that arise in applications in terms of the context. Analyze functions using different representations.
F.BF.A.1 F.BF.A.2 F.BF.B.3 F.BF.B.4 F.BF.B.5	Functions – Building Functions	Build a function that models a relationship between two quantities. Build new functions from existing functions.
G.SRT.A.1 G.SRT.A.2 G.SRT.A.3 G.SRT.B.4 G.SRT.B.5 G.SRT.C.6 G.SRT.C.7 G.SRT.C.8 G.SRT.D.9 G.SRT.D.10 G.SRT.D.11	Geometry – Similarity, Right Triangles, & Trigonometry	Understand similarity in terms of similarity transformations Prove theorems involving similarity Define trigonometric ratios and solve problems involving right triangles Apply trigonometry to general triangles

G.GMD.A.1 G.GMD.A.2 G.GMD.A.3 G.GMD.B.4	Geometry – Geometric Measurement & Dimension	Explain volume formulas and use them to solve problems Visualize relationships between two-dimensional and three-dimensional objects
S.ID.A.1 S.ID.A.2 S.ID.A.3 S.ID.A.4 S.ID.B.5 S.ID.B.6 S.ID.C.7 S.ID.C.8 S.ID.C.9	Statistics & Probability – Interpreting Categorical & Quantitative Data	Summarize, represent, and interpret data on a single count or measurement variable Summarize, represent, and interpret data on two categorical and quantitative variables Interpret linear models
S.CP.A.1 S.CP.A.2 S.CP.A.3 S.CP.A.4 S.CP.A.5 S.CP.B.6 S.CP.B.7 S.CP.B.8 S.CP.B.9	Statistics & Probability - Conditional Probability & the Rules of Probability	Understand independence and conditional probability and use them to interpret data Use the rules of probability to compute probabilities of compound events.

MATHEMATICS

Integrated Math III

Common Core State Standards	Common Core Domain	Common Core Standard Descriptor
A.SSE.A.1 A.SSE.A.2 A.SSE.B.3 A.SSE.B.4	Algebra – Seeing Structure in Expressions	Interpret the structure of expressions. Write expressions in equivalent forms to solve problems.
A.APR.A.1 A.APR.B.2 A.APR.B.3 A.APR.C.4 A.APR.C.5 A.APR.D.6 A.APR.D.7	Algebra – Arithmetic with Polynomials & Rational Expressions	Perform arithmetic operations on polynomials. Understand the relationship between zeros and factors of polynomials. Use polynomial identities to solve problems. Rewrite rational expressions.
A.REI.A.1 A.REI.A.2 A.REI.B.3 A.REI.B.4 A.REI.C.5 A.REI.C.6 A.REI.C.7 A.REI.C.8 A.REI.C.9 A.REI.D.10 A.REI.D.11 A.REI.D.12	Algebra – Reasoning with Equations & Inequalities	Understand solving equations as a process of reasoning and explain the reasoning. Solve equations and inequalities in one variable. Solve systems of equations. Represent and solve equations and inequalities graphically.
F.IF.A.1 F.IF.A.2 F.IF.A.3 F.IF.B.4 F.IF.B.5 F.IF.B.6 F.IF.C.7 F.IF.C.8 F.IF.C.9	Functions – Interpreting Functions	Understand the concept of a function and use function notation. Interpret functions that arise in applications in terms of the context. Analyze functions using different representations.

F.BF.A.1 F.BF.A.2 F.BF.B.3 F.BF.B.4 F.BF.B.5	Functions – Building Functions	Build a function that models a relationship between two quantities. Build new functions from existing functions.
F.LE.A.1 F.LE.A.2 F.LE.A.3 F.LE.A.4 F.LE.B.5	Functions – Linear, Quadratic, & Exponential Models	Construct and compare linear, quadratic, and exponential models and solve problems. Interpret expressions for functions in terms of the situation they model.
F.TF.A.1 F.TF.A.2 F.TF.A.3 F.TF.A.4 F.TF.B.5 F.TF.B.6 F.TF.B.7 F.TF.C.8 F.TF.C.9	Functions – Trigonometric Functions	Extend the domain of trigonometric functions using the unit circle. Model periodic phenomena with trigonometric functions. Prove and apply trigonometric identities.
G.CO.A.1 G.CO.A.2 G.CO.A.3 G.CO.A.4 G.CO.A.5 G.CO.B.6 G.CO.B.7 G.CO.B.8 G.CO.C.9 G.CO.C.10 G.CO.C.11 G.CO.D.12 G.CO.D.13	Geometry - Congruence	Experiment with transformations in the plane Understand congruence in terms of rigid motions Prove geometric theorems Make geometric constructions
G.C.A.1 G.C.A.2 G.C.A.3 G.C.A.4 G.C.B.5 G.C.B.6	Geometry - Circles	Understand and apply theorems about circles Find arc lengths and areas of sectors of circles

G.GPE.A.1 G.GPE.A.2 G.GPE.A.3 G.GPE.B.4 G.GPE.B.5 G.GPE.B.6 G.GPE.B.7	Geometry – Expressing Geometric Properties with Equations	Translate between the geometric description and the equation for a conic section Use coordinates to prove simple geometric theorems algebraically
G.GMD.A.1 G.GMD.A.2 G.GMD.A.3 G.GMD.B.4	Geometry – Geometric Measurement & Dimension	Explain volume formulas and use them to solve problems Visualize relationships between two-dimensional and three-dimensional objects
G.MG.A G.MG.A.1 G.MG.A.2 G.MG.A.3	Geometry – Modeling with Geometry	Apply geometric concepts in modeling situations
S.ID.A.1 S.ID.A.2 S.ID.A.3 S.ID.A.4 S.ID.B.5 S.ID.B.6 S.ID.C.7 S.ID.C.8 S.ID.C.9	Statistics & Probability – Interpreting Categorical & Quantitative Data	Summarize, represent, and interpret data on a single count or measurement variable Summarize, represent, and interpret data on two categorical and quantitative variables Interpret linear models
S.IC.A.1 S.IC.A.2 S.IC.B.3 S.IC.B.4 S.IC.B.5 S.IC.B.6	Statistics & Probability - Making Inferences & Justifying Conclusions	Understand and evaluate random processes underlying statistical experiments Make inferences and justify conclusions from sample surveys, experiments, and observational studies