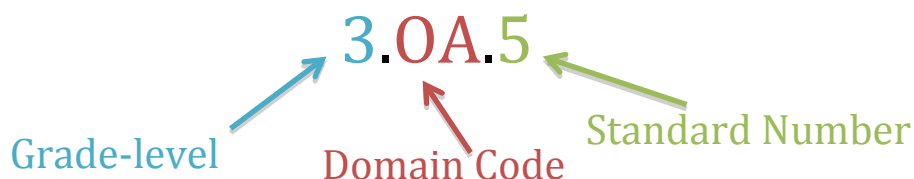# *Coding the Common Core State Standards (CCSS)*

Mathematics K – 8:

For mathematics, the CCSS standard's code identifies the grade level, the code for the domain, and the standard number for Kindergarten – Grade 8. If applicable, the letter of the bullet for the standard will be identified.

$$\text{3.OA.5}$$

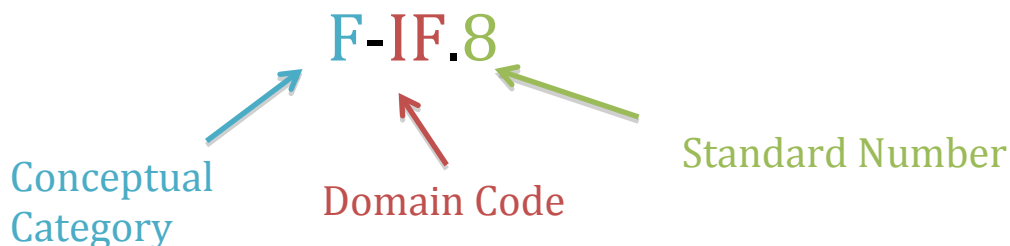Grade-level   Domain Code   Standard Number

Math Domain Codes K – 5:
CC – Counting & Cardinality
OA – Operations & Algebraic Thinking
NBT – Number & Operations in Base Ten
NF – Number & Operations - Fractions
MD – Measurement & Data
G – Geometry

Math Domain Codes 6-8:
RP – Ratios & Proportional Relationships
NS – The Number System
EE – Expressions & Equations
SP – Statistics & Probability
F – Functions
G – Geometry

Mathematics High School:

For high school mathematics, the CCSS standard's code identifies the conceptual category (rather than the grade-level), the domain and then standard number. If applicable, the letter of the bullet for the standard will be identified.

$$\text{F-IF.8}$$

Conceptual Category   Domain Code   Standard Number

High School Conceptual Categories					
H	Number & Quantity (NQ)	Algebra (A)	Functions (F)	Geometry (G)	Statistics & Probability (SP)
High School Domains	The Real Number System (N-RN)	Seeing Structure in Expressions (A-SSE)	Interpreting Functions (I-IF)	Congruence (G-CO)	Interpreting Categorical & Quantitative Data (S-ID)
	Quantities (N-Q)	Arithmetic with Polynomials & Rational Expressions (A-APR)	Building Functions (F-BF)	Similarity, Right Triangles, & Trigonometry (G-SRT)	Making Inferences & Justifying Conclusions (S-IC)
	The Complex Number System (N-CN)	Creating Equations (A-CED)	Linear, Quadratic & Exponential Models (F-LE)	Circles (G-C)	Conditional Probability & the Rules of Probability (S-CP)
				Expressing Geometric Properties with Equations (G-PE)	
	Vector & Matrix Quantities (N-VM)	Reasoning with Equations & Inequalities (A-REI)	Trigonometric Functions (F-TF)	Geometric Measurement & Dimension (G-MGD)	Using Probability to Make Decisions (S-MD)
				Modeling with Geometry (G-MG)	

The Standards For Mathematical Practice:
The Standards for Mathematical Practice apply to all grade levels from Kindergarten through High School.

MP8

Mathematical Practice → MP

Standard Number → 8

NOTE: In mathematics Kindergarten – Grade 8, the grade-level is noted first, whereas in English Language Arts the strand is first followed by the grade-level.

Mathematics: Grade-level. Domain Code. Standard Number
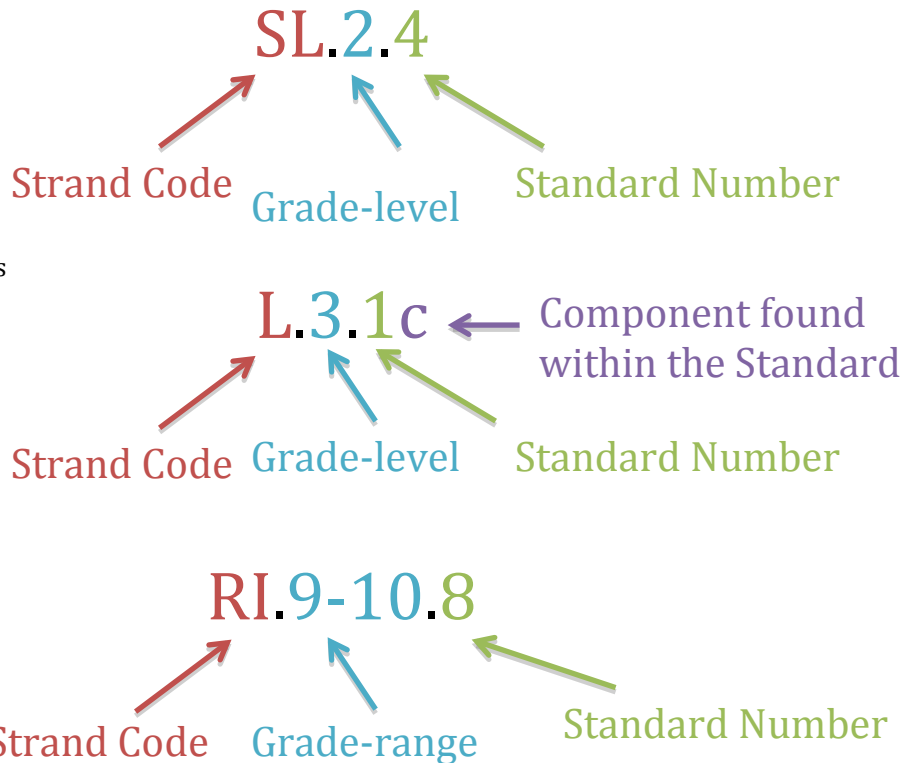English Language Arts: Strand Code. Grade-level. Standard Number

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English Language Arts

K – 12:
For English Language Arts, the standard's code identifies the strand, the grade-level, the number of the standard, and if applicable the letter of the bullet for the standard.
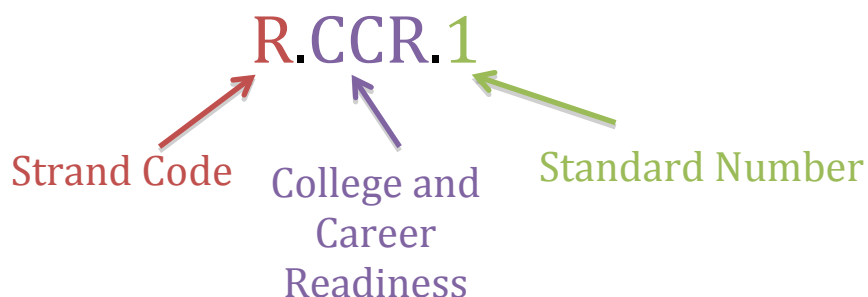
SL.2.4

Strand Code → SL
Grade-level → 2
Standard Number → 4

ELA Strand Codes K – 12:
RL – Reading: Literature
RI – Reading: Informational Text
RF – Reading: Foundational Skills
RH – Reading: History/Social Studies
RST – Reading: Science & Technical Subjects
W – Writing
WHST – Writing: History/Social Studies, Science & Technical Subjects
SL – Speaking & Listening
L - Language

L.3.1c

Strand Code → L
Grade-level → 3
Standard Number → 1
Component found within the Standard → c

RI.9-10.8

Strand Code → RI
Grade-range → 9-10
Standard Number → 8

College and Career Readiness/Anchor Standards:
English Language Arts has Anchor Standards that identify the skills needed to be college and career ready. The standard's code identifies the strand, the code for College and Career Readiness (CCR), and the standard number.

R.CCR.1

Strand Code   College and Career Readiness   Standard Number

Anchor Standards K – 12:
R – Reading
W – Writing
SL – Speaking & Listening
L - Language

Note:

Developments on Common Core State Standards Identifier Representation:
Changes and clarifications on the standards identifiers have been made in order to differentiate the Common Core Standards from state standards and state additions. Cluster headings in mathematics have been given letter codes and English Language Arts will be listed as ELA – Literacy. It is acknowledged that the shorthand will continue to be used, but examples of the official CCSS identifiers are shown below.

For more information please go to: http://www.corestandards.org/developments-on-common-core-state-standards-identifier-and-xml-representation.

Official CCSS Identifiers	Shorthand
CCSS.ELA-Literacy.RF.1.1a	RF.1.1a
CCSS.ELA-Literacy.CCRA.R.3	CCRA.R.3
CCSS.ELA-Literacy.WHST.11-12.2	WHST.11-12.2
CCSS.Math.Content.7.RP.A.2a	7.RP.2a
CCSS.Math.Practice.MP1	MP1
CCSS.Math.Content.HSF-IF.B.4	F-IF.4