

Competencies and Academic Standards Exchange® (CASE®)

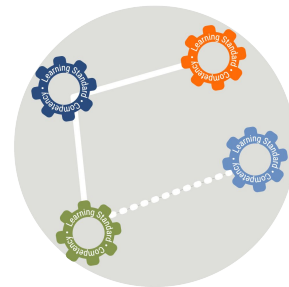
Learning Standards



Rubrics



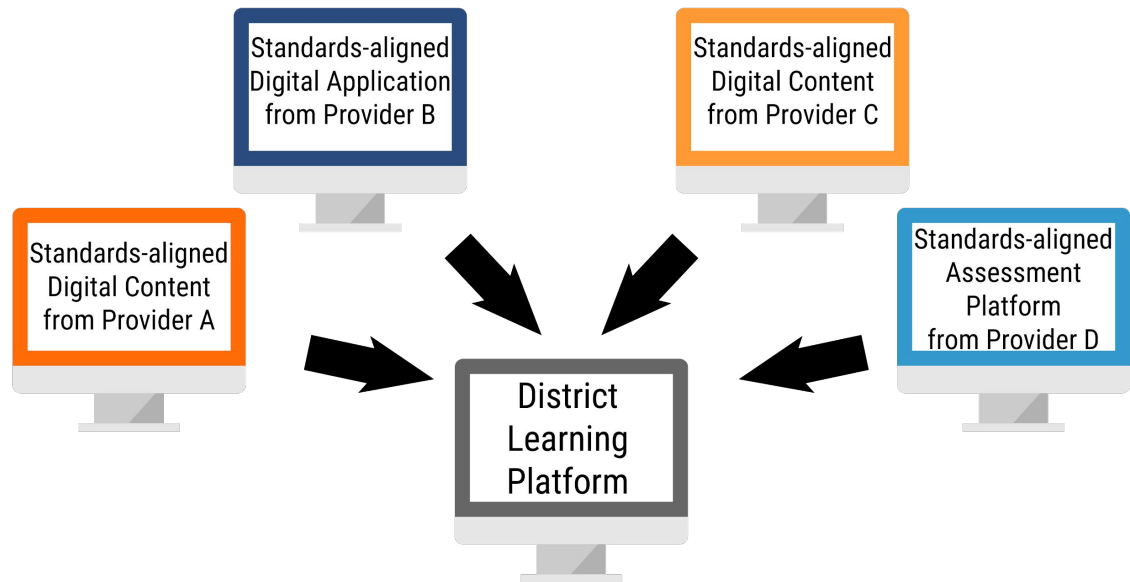
Relationships Among Standards



The Challenge

As districts move to the implementation of Digital Learning Platforms and Tools, they are facing challenges with content interoperability from multiple sources

As these resources are ingested into Teaching and Learning Platforms the challenge is learning standards data are not published in a machine readable format



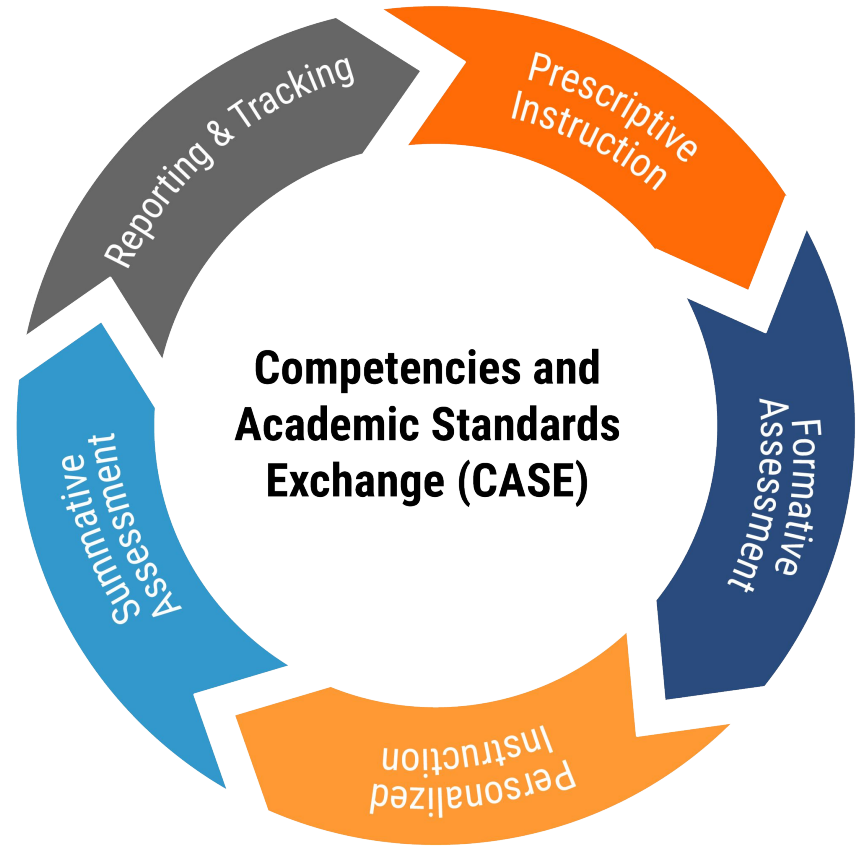
What's Happening Today

As a result, aggregating information from multiple platforms, tools and apps is like trying to put a puzzle together with pieces from different puzzles

It's impossible!



- CASE is a universal framework to represent learning standards, competencies, rubric and relationships among each of these for educational technology applications and platforms
- CASE formatted standards can be published in a flexible database



CASE Provides a Framework for Learning Standards

- CASE transforms static PDF documents into a format that can be universally read by educational technology software
- CASE gives State Educational Agencies and Districts the ability to ensure their learning standards are interpreted correctly



CASE Provides a Framework for Rubrics

- CASE connects standards and competencies to performance criteria
- CASE provides a way to transmit rubrics between various platforms

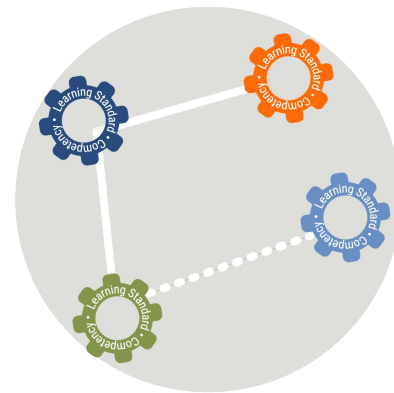
Rubrics



CASE Provides a Framework for Relationships Among Standards

- CASE defines relationships between and among standards like “Precedes”, “Is Related To”, “Exemplar”, “Is Peer of” and “Is Part of”
- CASE demonstrates learning progressions
- CASE supports Student Exemplars with associations to learning standards and competencies

Relationships Among Standards

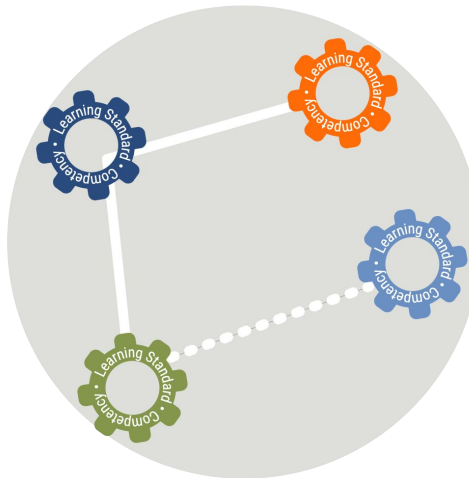


Components of CASE

CASE Documents & Items



CASE Associations



CASE Rubrics



CASE in Action: Create/Convert Standards

From Static PDF Format



To Dynamic Database Driven Format

Mathematics Georgia Standards of Excellence - 2015
Tree View
Association View

- Mathematics Georgia Standards of Excellence - 2015
 - Document: Mathematics Georgia Standards of Excellence - 2015
 - Grade 2
 - Grade 3
 - 3.G Geometry**
 - 3.G.MD Measurement and Data**
 - Solve problems involving measurement and estimation of intervals of time, liquid volume, and mass.
 - Represent and interpret data.
 - MGSE3.MD.3** Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.
 - Geometric measurement: understand concepts of area and relate area to multiplication and division.
 - Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear measures in the same units.
 - 3.G.MD.4** Generate measurement data by measuring lengths using rulers marked with halves and inches. Find the length of an object to the nearest half-inch.
 - 3.NBT Number and Operations in Base Ten**
 - 3.NF Number and Operations - Fractions**
 - 3.OA Operations and Algebraic Thinking**
 - Grade 4
 - Grade 5
 - Grade 6
 - Grade 7
 - Grade 8
 - High School

MGSE3.MD.3 Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.

Full Statement: Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.

Education Level: 03

Type: Standard

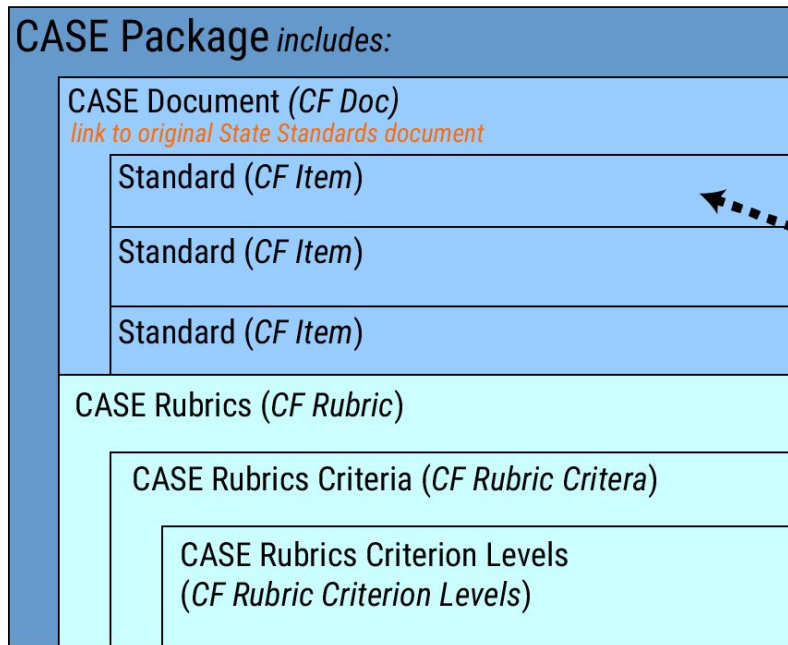
Notes: For example, draw a bar graph in which each square in the bar graph might represent 5 pets.

More Info

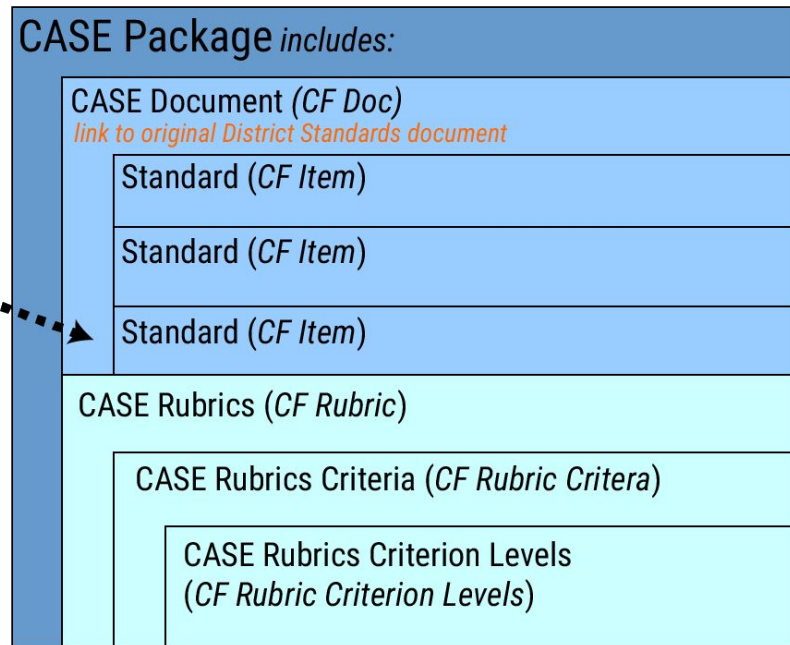
Exact Match Of ☐

Is Child Of

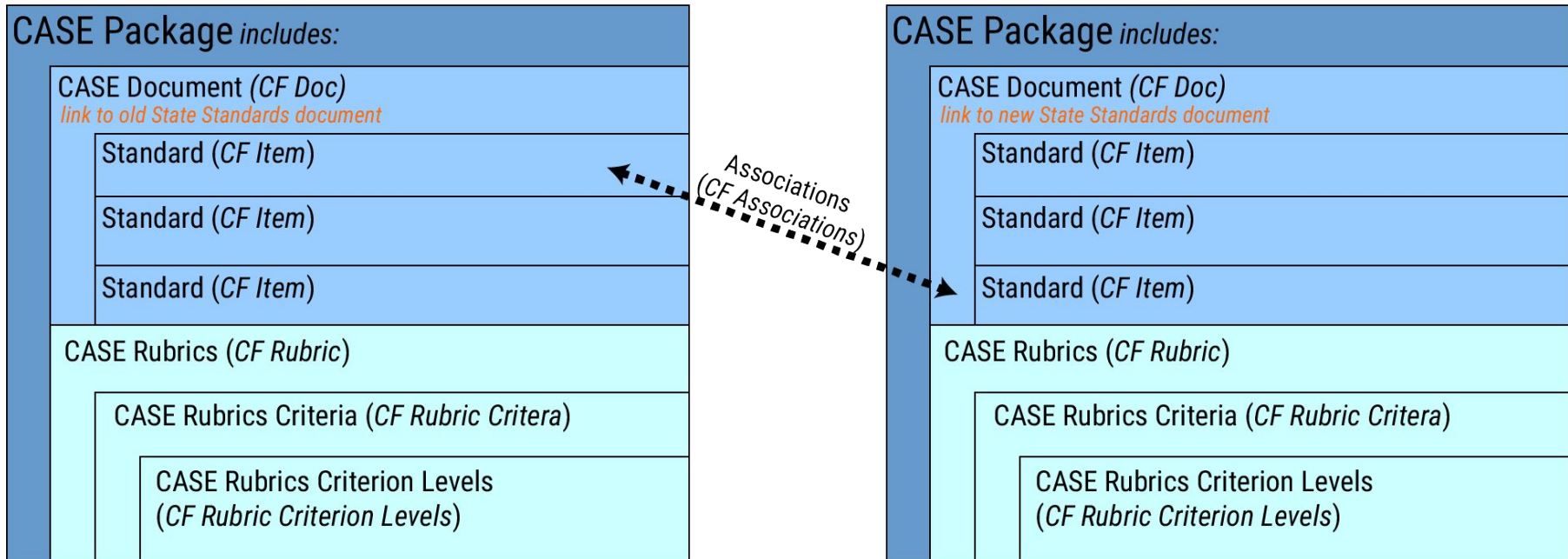
CASE in Action: Relating District to State Standards



Associations
(CF Associations)



CASE in Action: Relating Old to New State Standards



How CASE Achieves Alignment in Districts, Step 1

CASE Package <i>includes:</i>	
	CASE Document (CF Doc) <i>link to State Standards document</i>
	Standard (CF Item)
	Standard (CF Item)
	Standard (CF Item)

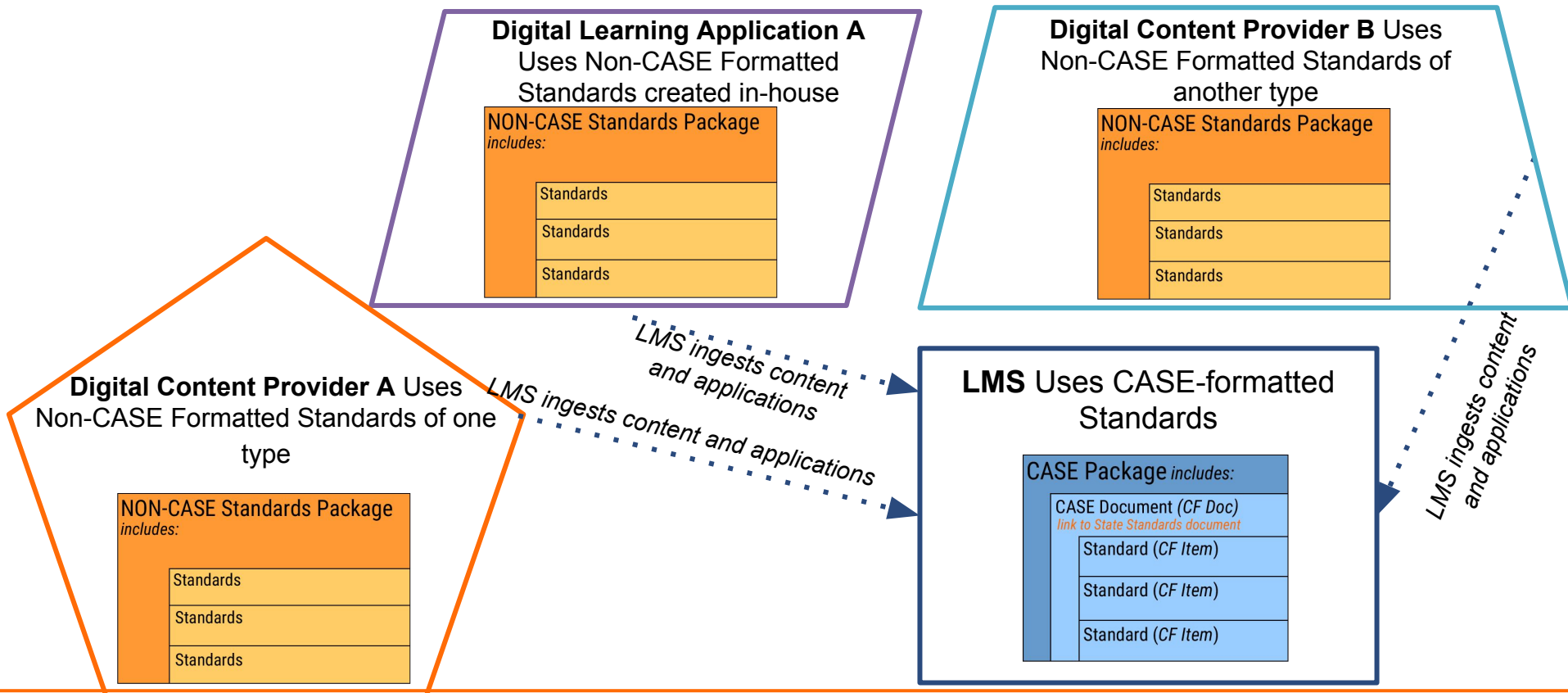
NON-CASE Standards Package <i>includes:</i>	
	Standards
	Standards
	Standards



CASE Package <i>includes:</i>	
	CASE Document (CF Doc) <i>link to Standards document</i>
	Association (CF Association) <i>Association between CASE standard and non-CASE Standard</i>
	Association (CF Association) <i>Association between CASE standard and non-CASE Standard</i>
	Association (CF Association) <i>Association between CASE standard and non-CASE Standard</i>



How CASE Achieves Alignment in Districts, Step 2



How CASE Achieves Alignment in Districts, Step 3

Digital Learning Application A Uses
Non-CASE Formatted Standards
created in-house

NON-CASE Standards Package includes:	
	Standards
	Standards
	Standards

Digital Content Provider B Uses
Non-CASE Formatted Standards of
another type

NON-CASE Standards Package includes:	
	Standards
	Standards
	Standards

Digital Content Provider A Uses
Non-CASE Formatted Standards of one
type

NON-CASE Standards Package includes:	
	Standards
	Standards
	Standards

CASE Package includes:	
CASE Document (CF Doc)	link to Standards document
Association (CF Association)	Association between CASE standard and non-CASE Standard
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CASE Package includes:	
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LMS Uses CASE-formatted Standards

CASE Package includes:	
CASE Document (CF Doc)	link to State Standards document
	Standard (CF Item)
	Standard (CF Item)
	Standard (CF Item)

CASE Package includes:	
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CASE Makes Connections Possible

CASE is a Rosetta Stone, a universal translator, for connecting learning standards and competencies across platforms and for showing relationships between standard sets



Competencies & Academic Standards Exchange

Is a defined method for

- Representing academic standards digitally
- Representing relationships to other academic standard sets
- Representing rubrics (criteria & performance level) that may be aligned to learning standards

Transitioning State Standards to CASE Format (One Example: Georgia)

1. Obtain CASE Editing and Hosting Software
2. Ingest Standards from Achievement Standards Network which transforms the standards to the CASE format.
3. Edit standards to ensure proper formatting.
4. Propose adoption of CASE formatted standards by State Board of Education.
5. Publish standards for districts and vendors.

Transitioning State Standards to CASE Format (One Example: Texas)

1. Hire contractor to convert standards to CASE Format and develop Portal for publishing standards.
2. Collaborate with districts on desired format and delivery of standards.
3. Verify and sign off on final format delivery from contractor.
4. Make standards and aligned resources available via portal.

For More Information...

- See [CASE Information for Developers](#)
- See [CASE Information for Procurement Resources](#)
- See CASE in Action
 - [CASE in Action: Creating Standards or Competencies](#)
 - [CASE in Action: Importing and Exporting Standards](#)
 - [CASE in Action: Aligning Content](#)