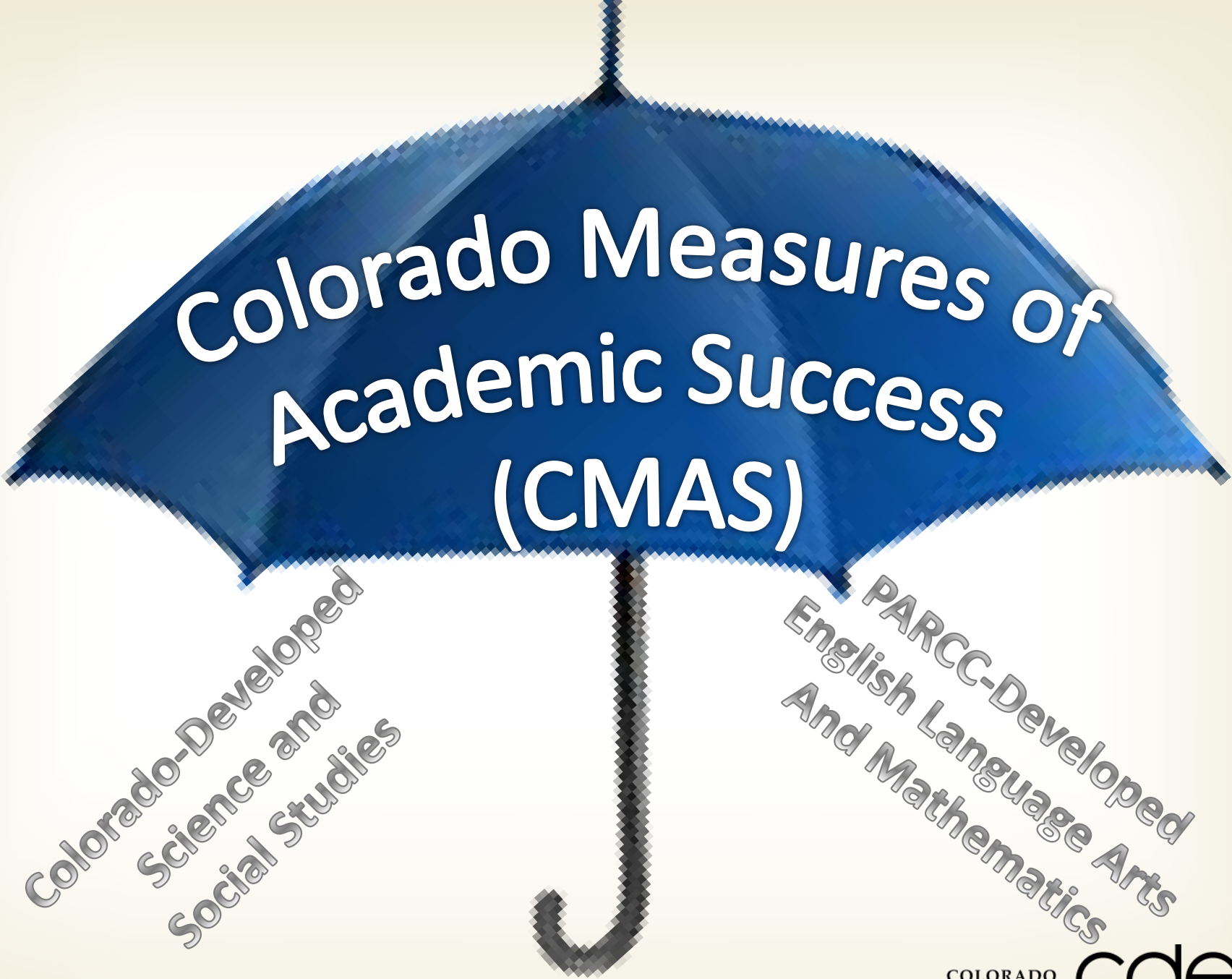


The New Colorado State Assessment System

February, 2014



Colorado Measures of Academic Success (CMAS)

Colorado-Developed
Science and
Social Studies

PARCC-Developed
English Language Arts
And Mathematics

Colorado Measures of Academic Success (CMAS): New Assessments

- CO developed science and social studies assessments
- Partnership for the Assessment of College and Careers (PARCC) developed English language arts and mathematics assessments

Colorado Assessment Timeline

2013-14

- TCAP Reading, Writing and Math
- **New Social Studies and Science assessments & corresponding alternate (elementary and middle school)**
- Colorado ACT
- ACCESS for English language learners

2014-15

- **New PARCC English Language Arts and Mathematics assessments expected to be operational & Alternate**
- **New Social Studies and Science assessments & corresponding alternate (high school)**
- **Second year of new Social Studies and Science assessments & Alternate (elementary and middle school)**
- Colorado ACT
- ACCESS for ELLs

Test Windows 2013-14

ACCESS for ELL	January 6 - February 7, 2014
TCAP 3 rd reading	February 24 – March 7, 2014
TCAP (reading, writing and mathematics)	March 10 – April 11, 2014
CMAS Science and Social studies (elementary and middle school)	April 14 – May 2, 2014
Colorado ACT	April 23, 2014

CMAS compared to TCAP

TCAP

- Paper and Pencil
- Reading, Writing, Math
 - Grades 3 through 10
 - 9 sessions, approximately 9 hours per student
- Science
 - Grades 5, 8, 10
 - 3 sessions, approximately 3 hours
- Social Studies
 - NA

CMAS

- Computer
- Reading, Writing, Math
 - Grades 3 through 11
 - 9 sessions, approximately 9 hours per student
- Science
 - Grades 5, 8, 12
 - 3 sessions, approximately 3 hours
- Social Studies
 - Grades 4, 7, 12
 - 3 sessions, approximately 3 hours

2014-2015 Tentative Testing Schedule

2014-15 Assessment Schedule:

Assessment	Grade	Tentative Windows
CMAS and CoAlt: Science and Social Studies	12	Nov 3-21, 2014
PARCC Performance-Based Assessment (PBA)*	3-8, High School	Mar 9-Apr 3, 2015
CMAS and CoAlt: Science and Social Studies	4 & 7 (Social Studies) 5 & 8 (Science)	Apr 13 - May 1, 2015
PARCC End-of-Year Assessment (EOY)*	3-8, High School	Apr 27 - May 22, 2015
CO ACT	11	April 28, May 12, 2015

CMAS SCIENCE AND SOCIAL STUDIES

Science and Social Studies Assessments

- Based on the Colorado Academic Standards
- Grades
 - Science: grades 5, 8 and 12
 - Social Studies: grades 4, 7 and 12

**Spring 2014 CMAS S and SS
April 14 - May 2**

***6 days regular scheduled testing**

9 days make ups

15 days total

***One grade level tests one session**

Grade Level	Social Studies			Science		
	sessions					
	1	2	3	1	2	3
3						
4	X	X	X			
5				X	X	X
6						
7	X	X	X			
8				X	X	X
9						
10						
11						
12						

CMAS Online Assessments

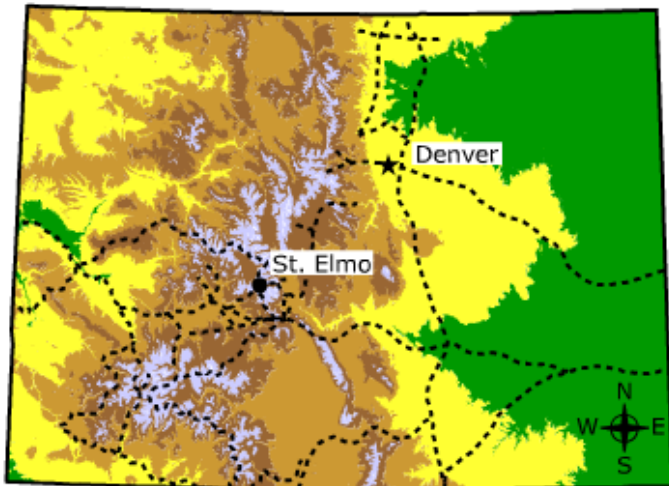


Read Sources 1–4 to answer the questions. Use the arrows at the bottom of the page to move between sources.

Source 1

During the late 1800s, many mining towns were founded in Colorado. The population of St. Elmo grew quickly due to mining activity. The town was located in the Upper Chalk Creek Canyon and was far from any major city.

Colorado Elevation and Railroads, 1881–1905



Click and drag your answers.

Using the sources, click and drag the newspaper headlines into the correct order on the time line.

1870



Denver Daily News
Fifth Hotel Built in St. Elmo

Denver Daily News
St. Elmo Now a Ghost Town

Denver Daily News
Value of Silver Drops in the United States

Denver Daily News
Railroad Stops Service to St. Elmo

CMAS Field Test in D20

Academy 20 CMAS Field Test			
Grade 5 Social Studies (Grade 4 Standards) 9/23- 9/27	Grade 8 Social Studies (Grade 7 Standards) 9/23- 9/27	Grade 9 Science (Grade 8 Standards) 9/23- 9/27	Grade 12 Science OR Social Studies 11/11 -11/15
CHINOOK TRAIL	CHALLENGER	PINE CREEK	LIBERTY
RANCH CREEK	MOUNTAIN RIDGE		RAMPART
ACADEMY ENDEAVOR	EAGLEVIEW		AIR ACADEMY
DISCOVERY CANYON CAMPUS	TIMBERVIEW		
FRONTIER			
ACADEMY INTERNATIONAL			
EXPLORER			



Field Test – Test Administration

- Students were actively engaged
- Students are technologically competent
- Classroom Proctor Role was generally a classroom teacher – familiar for CSAP/TCAP veterans
- Student training with practice tests was very helpful for both understanding of format, use of online tools, and time to complete

Field Test – Technology

- D20 technical support was timely and effective
- Several students experienced interruptions due to technical difficulties – local tech support resolved the issues
- Tech Proctors monitored sessions and error messages both in the room and remotely
- Kiosk worked well
- No bandwidth issues in field testing schools

PARCC ENGLISH LANGUAGE ARTS & MATHEMATICS

Testing Sessions Grades 9 and 10

Performance-Based Component					
ELA/Literacy			Math		Total
Literary Analysis	Research	Narrative	Session 1	Session 2	
80	85	50	50	50	315

End-of-Year Component					Summative Total
ELA/Literacy		Math		Total	
Session 1	Session 2	Session 1	Session 2		
70	70	65	65	270	9 hours, 45 minutes

- TCAP total testing time 9 hours 15 minutes

Testing Sessions Grade 11

Performance-Based Component					
ELA/Literacy			Math		Total
Literary Analysis	Research	Narrative	Session 1	Session 2	
80	85	50	65	65	345

End-of-Year Component				
ELA/Literacy		Math		Total
Session 1	Session 2	Session 1	Session 2	
70	70	55	55	250

Summative Total
9 hours, 55 minutes

- No TCAP tests for 11th grade

English Language Arts Sample

Today you will read two poems about characters from Greek mythology. As you read these texts, you will gather information and answer questions about how each poet portrays these characters. When you are finished reading, you will write an analytical essay.

"Metamorphoses: Daedalus and Icarus"

by Ovid

But Daedalus abhorred the Isle of Crete--
and his long exile on that sea-girt shore,
increased the love of his own native place.

"Though Minos blocks escape by sea and land."

5 He said, "The unconfined skies remain
though Minos may be lord of all the world
his sceptre is not regnant of the air,
and by that untried way is our escape."

This said, he turned his mind to arts unknown

10 and nature unrevealed. He fashioned quills
and feathers in due order -- deftly formed
from small to large, as any rustic pipe

Part A

What do lines 38-45 from Ovid's poem **most** suggest about Daedalus?

- A. Daedalus is worried about the quality of the wings.
- B. Daedalus is sad to leave the Isle of Crete.
- C. Daedalus is a caring parent.
- D. Daedalus is proud of his invention.

Part B

From the list below, select two quotations that provide additional evidence to support the answer to Part A. Drag and drop your answers into the boxes labeled "Evidence."

"He said, 'The unconfined skies remain / though Minos may be lord of all the world / his sceptre is not regnant of the air, / and by that untried way is our escape.'" (lines 5-8)

"...He fashioned quills / and feathers in due order— / deftly formed / from small to large, as any rustic pipe / proms straws unequal slants. He bound with thread / the middle feathers,

English Language Arts Sample

Today you will read two poems about characters from Greek mythology. As you read these texts, you will gather information and answer questions about how each poet portrays these characters. When you are finished reading, you will write an analytical essay.

Daedalus and Icarus

TO A FRIEND

"Metamorphoses: Daedalus and Icarus"

by Ovid

But Daedalus abhorred the Isle of Crete--
and his long exile on that sea-girt shore,
increased the love of his own native place.

"Though Minos blocks escape by sea and land."

5 He said, "The unconfined skies remain
though Minos may be lord of all the world
his sceptre is not regnant of the air,
and by that untried way is our escape."

This said, he turned his mind to arts unknown

10 and nature unrevealed. He fashioned quills

Use what you have learned from reading "Daedalus and Icarus" by Ovid and "To a Friend Whose Work Has Come to Triumph" by Anne Sexton to write an essay that provides an analysis of how Sexton transforms "Daedalus and Icarus."

Develop your claim(s) of how Sexton transforms "Daedalus and Icarus" with evidence from both texts. As a starting point, you may want to consider what is emphasized, absent, or different in the two texts, but feel free to develop your own focus for analysis.

B *I* U      

Math Sample

Michelle wanted to investigate the effect on the vertex of the graph of $f(x) = x^2 + 6x$ when $f(x)$ is replaced by $f(x + k)$.

Michelle graphed functions of the form $f(x + k)$ for $k = 1, 2, 3$ and 4 . For each of the functions she graphed, the x -coordinate of the vertex was negative and different for each value of k , but the y -coordinate of the vertex was the same for each value of k . Michelle made three conjectures based on her results.

- The x -coordinate of the vertex depends on the value of k .
- The x -coordinate of the vertex is negative for all values of k .
- The y -coordinate of the vertex is independent of the value of k .

Determine if each of Michelle's three conjectures are true. Justify each answer.

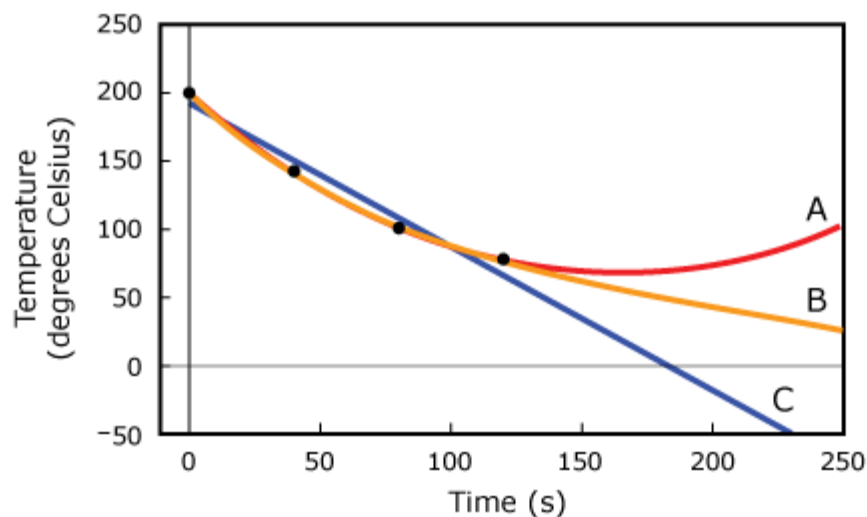


- ▶ Numbers
- ▶ Arithmetic and Units
- ▶ Exponents, Roots, Logs
- ▶ Relations
- ▶ Geometry
- ▶ Groups
- ▶ Trigonometry
- ▶ Statistics
- ▶ Greek

A scientist is studying the cooling patterns of a particular material over time. Her research requires heating a sample of the material to 200°C . She records the temperature of the sample as it is cooled to 0°C . The table shows the data collected during the first 2 minutes of the cooling process.

Time material is cooling (seconds)	0	40	80	120
Temperature ($^{\circ}\text{C}$)	200	141	101	74

The figure shows the scientist's data (data points are plotted as large dots). Three possible models for the data are also shown: a linear model, a quadratic model, and an exponential model.



Part A

- Which model is linear? Which model is quadratic? Which model is exponential?
- Which model is best for the range of times $0 \leq t \leq 250$?
- Explain why the other models do not fit the data very well for the range of times $0 \leq t \leq 250$.



▶ Numbers

▶ Arithmetic and Units

▶ Exponents, Roots, Logs

Comparing PARCC and TCAP Scores

- PARCC and TCAP proficiencies will not be comparable.
- PARCC and CDE are anticipating a drop in the percentage of students identified as proficient for some tests as we move from TCAP to PARCC.