



Our Students. Their Moment.

SLO 103:

Using Multiple Data Sources to Develop Targets for SLOs



After watching this video, you will be able to:

1.

- Review the learning standards and assessment design to determine relevant data sources.

2.

- Review historical data, including past performance trends and individual student scores, in order to establish patterns of performance.

3.

- Identify appropriate targets for student growth based on the historical data.



3 Questions to Ask:



What must students know and do?

Standards and Assessments



What does the data show?

Data Review



What targets are appropriate?

Data-driven decisions and instruction



Review the Learning Standards and Assessments: US History and Government



Learning Standards:

Learning Standards for Social Studies at Three Levels

Standard 1: History of the United States and New York

Students will use a variety of intellectual skills to demonstrate their understanding of major ideas, eras, themes, developments, and turning points in the history of the United States and New York.

Standard 2: World History

Students will use a variety of intellectual skills to demonstrate their understanding of major ideas, eras, themes, developments, and turning points in world history and examine the broad sweep of history from a variety of perspectives.

Standard 3: Geography

Students will use a variety of intellectual skills to demonstrate their understanding of the geography of the interdependent world in which we live—local, national, and global—including the distribution of people, places, and environments over the Earth's surface.

Standard 4: Economics

Students will use a variety of intellectual skills to demonstrate their understanding of how the United States and other societies develop economic systems and associated institutions to allocate scarce resources, how major decision-making units function in the United States and other national economies, and how an economy solves the scarcity problem through market and nonmarket mechanisms.

Standard 5: Civics, Citizenship, and Government

Students will use a variety of intellectual skills to demonstrate their understanding of the necessity for establishing governments; the governmental system of the United States and other nations; the United States Constitution; the basic civic values of American constitutional democracy; and the roles, rights, and responsibilities of citizenship, including avenues of participation.



Review the make-up of the assessments...

Part I: 50 multiple-choice questions

Part II: One thematic essay question

Part II: Based on several documents:

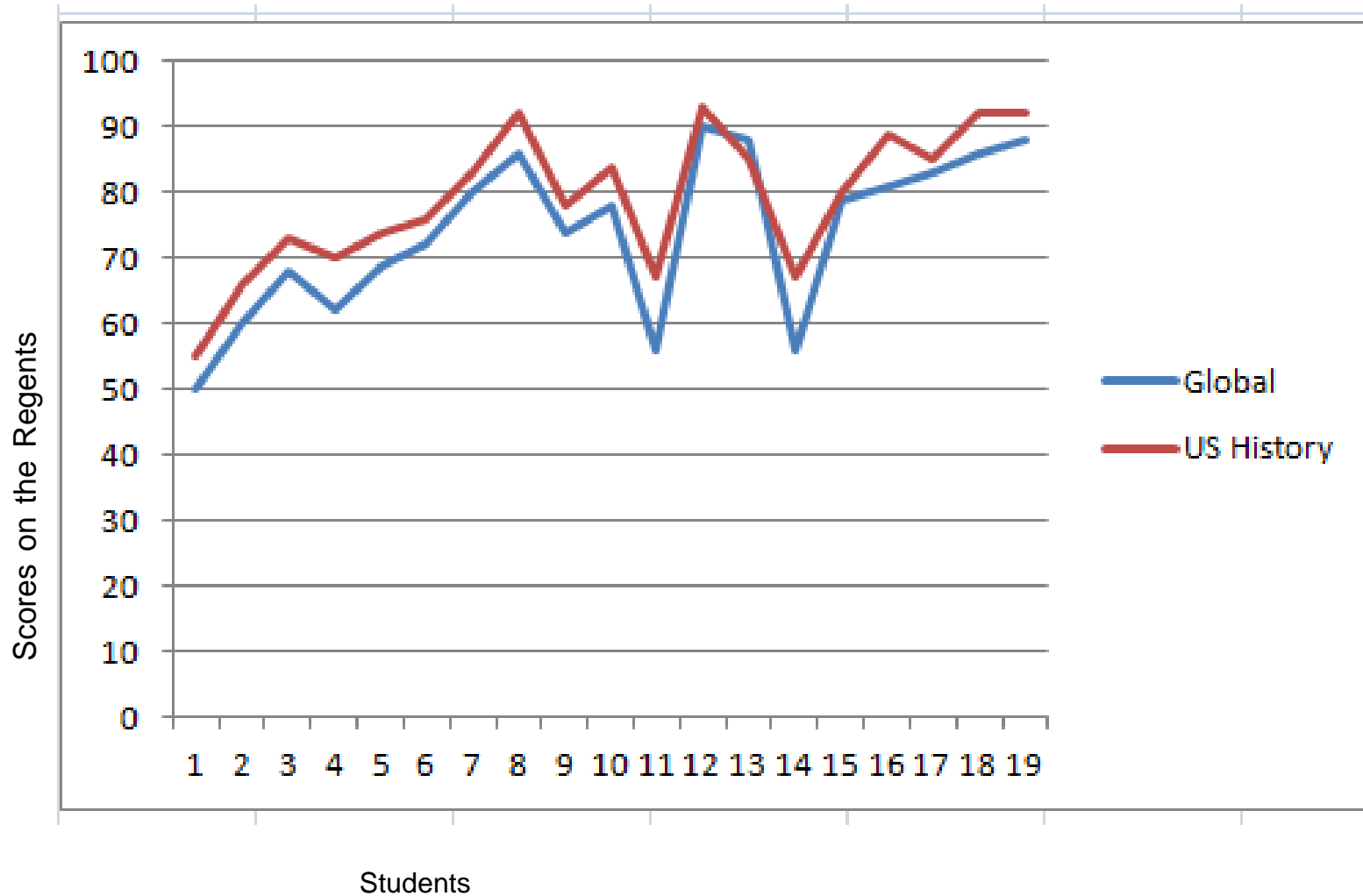
- Part III A: One or more question on each document
- Part III B: One essay question based on the documents



Review Student Data



Historical Trend Data: Global History and Geography and US History and Government Scores



Other Sources of Data That May Be Available:

Depending on the students in the class, there may be additional sources of data available:

- Historical trends on other summative assessments and report cards
- Conversations with previous grade-level/content-area teachers and service providers regarding strengths and weaknesses of students
- Relevant annual IEP goals
- NYSESLAT scores



Sample Data

Student	Grade 8 ELA Achievement Level	BOCES developed Assessment - English 9	BOCES developed Assessment English 10	Global History and Geography Scale Score
1	2	65	68	65
2	3	70	75	75
3	4	95	98	90
4	3	72	65	70
5	3	75	76	78
6	3	70	75	75
7	4	97	95	85



Set Targets Based On the Data Reviewed



Sample Data: Student 1

Student	Grade 8 ELA Achievement Level	BOCES developed Assessment - English 9	BOCES developed Assessment - English 10	Global History and Geography Scale Score	Student growth target - US History Regents
1	2	65	68	65	
2	3	70	75	75	
3	4	95	98	90	
4	3	72	60	70	
5	3	75	76	78	
6	3	70	75	75	
7	4	97	95	85	



Sample Data: Student 1

Student	Grade 8 ELA Achievement Level	BOCES developed Assessment - English 9	BOCES developed Assessment - English 10	Global History and Geography Scale Score	Student growth target - US History Regents
1	2	65	68	65	65
2	3	70	75	75	
3	4	95	98	90	
4	3	72	60	70	
5	3	75	76	78	
6	3	70	75	75	
7	4	97	95	85	



Sample Data: Student 5

Student	Grade 8 ELA Achievement Level	BOCES developed Assessment - English 9	BOCES developed Assessment English 10	Global History and Geography Scale Score	Student growth target - US History Regents
1	2	65	68	65	65
2	3	70	75	75	
3	4	95	98	90	
4	3	72	60	70	
5	3	75	76	78	80
6	3	70	75	75	
7	4	97	95	85	



Sample Data

Student	Grade 8 ELA Achievement Level	BOCES developed Assessment - English 9	BOCES developed Assessment - English 10	Global History and Geography Scale Score	Student growth target - US History Regents
1	2	65	68	65	65
2	3	70	75	75	70
3	4	95	98	90	85
4	3	72	60	70	65
5	3	75	76	78	80
6	3	70	75	75	75
7	4	97	95	85	85



Review the Learning Standards and Assessments:

Grade 8 State Science Assessment



Learning Standards:

Learning Standards for Mathematics, Science, and Technology at Three Levels

- Standard 1: Students will use mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions.
- Standard 2: Students will access, generate, process, and transfer information using appropriate technologies.
- Standard 3: Students will understand mathematics and become mathematically confident by communicating and reasoning mathematically, by applying mathematics in real-world settings, and by solving problems through the integrated study of number systems, geometry, algebra, data analysis, probability, and trigonometry.
- Standard 4: Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and recognize the historical development of ideas in science.
- Standard 5: Students will apply technological knowledge and skills to design, construct, use, and evaluate products and systems to satisfy human and environmental needs.
- Standard 6: Students will understand the relationships and common themes that connect mathematics, science, and technology and apply the themes to these and other areas of learning.
- Standard 7: Students will apply the knowledge and thinking skills of mathematics, science, and technology to address real-life problems and make informed decisions.



Review the make-up of the assessments...

Part I – 45 multiple choice items

Part II – 38 open-ended

Part III – performance-based portion

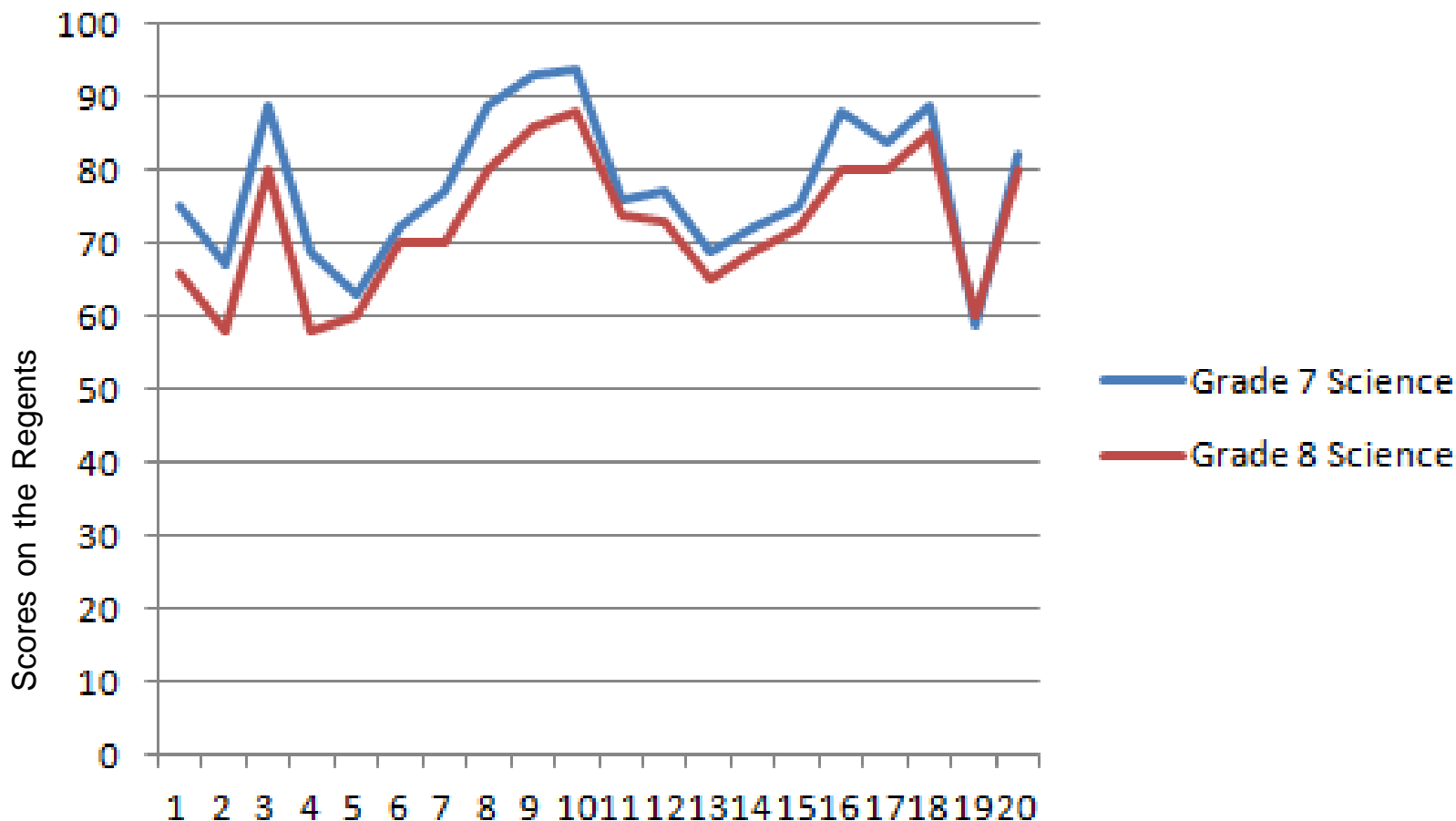
- 3 stations and 3 tasks to be completed
- Require application of the skills learned



Review Student Data



Historical Trend Data for Grade 7 Science to Grade 8 State Assessment in Science



Students

Please Note: Effective February 11, 2014, for the State Growth or Other Comparable Measures subcomponent, *sixth through eighth grade social studies and sixth through seventh grade science have been removed from the definition of core subject areas.*



Sample Data

Student	Grade 7 ELA	Grade 7 Math	Grade 7 Science Assessment	Grade 8 State Science Target
1	2	3	63	
2	3	4	70	
3	3	3	64	
4	3	4	74	
5	3	3	87	
6	4	4	88	
7	3	3	55	

Please Note: Effective February 11, 2014, for the State Growth or Other Comparable Measures subcomponent, *sixth through eighth grade social studies and sixth through seventh grade science have been removed from the definition of core subject areas.*

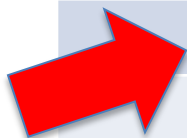


Set Targets Based On the Data Reviewed



Sample Data: Student 1

Student	Grade 7 ELA	Grade 7 Math	Grade 7 Science Assessment	Grade 8 State Science Target
1	2	3	63	65
2	3	4	70	
3	3	3	64	
4	3	4	74	
5	3	3	87	
6	4	4	88	
7	3	3	55	

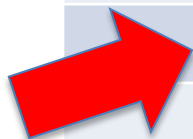


Please Note: Effective February 11, 2014, for the State Growth or Other Comparable Measures subcomponent, *sixth through eighth grade social studies and sixth through seventh grade science have been removed from the definition of core subject areas.*



Sample Data: Student 3

Student	Grade 7 ELA	Grade 7 Math	Grade 7 Science Assessment	Grade 8 State Science Target
1	2	3	63	65
2	3	4	70	
3	3	3	64	70
4	3	4	74	
5	3	3	87	
6	4	4	88	
7	3	3	55	



Please Note: Effective February 11, 2014, for the State Growth or Other Comparable Measures subcomponent, *sixth through eighth grade social studies and sixth through seventh grade science have been removed from the definition of core subject areas.*



Sample Data: Completing the Targets

Student	Grade 7 ELA	Grade 7 Math	Grade 7 Science Assessment	Grade 8 State Science Target
1	2	3	63	65
2	3	4	70	75
3	3	3	64	70
4	3	4	74	80
5	3	3	87	90
6	4	4	88	92
7	3	3	55	65

Please Note: Effective February 11, 2014, for the State Growth or Other Comparable Measures subcomponent, *sixth through eighth grade social studies and sixth through seventh grade science have been removed from the definition of core subject areas.*



3 steps:



What must students know and do?

Standards and Assessments



What does the data show?

Data Review



What targets are appropriate?

Data-driven decisions and instruction



Search: www.engageNY.org



The screenshot shows the EngageNY.org website homepage. At the top, there is a navigation bar with links for 'About', 'Contact Us', 'Student Learning', and a search bar. Below the navigation bar is a header section with the EngageNY logo and tagline 'Our Students. Their Moment.' followed by seven icons representing different resource categories: Common Core Curriculum & Assessments, Teacher/Leader Effectiveness, Data Driven Instruction, Video Library, Network Teams & Turnkey Training, and Parent & Family Resources.

The main content area features a large blue banner with the text 'Welcome to EngageNY!' and a video thumbnail of Commissioner King. Below the banner are three columns of featured resources:

- Featured Classroom Resources**
 - PARCC Model Content Frameworks - For Educators
 - Grades K-12 ELA Curriculum
 - Prekindergarten-Grade 5 Mathematics Curriculum
 - Common Core Instructional Shifts
 - New York State P-12 Common Core Learning Standards
- Latest News and Events**
 - Draft NYS Common Core 9-12 Social Studies Framework is Now Posted
 - New Bilingual Common Core Initiative Resources Available
 - New SLD Resources Available on EngageNY
 - Secure Online Growth Reporting System is Now Available
 - Just Released! 2013 Text Guides for ELA & Mathematics
- Featured Professional Development Resources**
 - Workbook for Network Team Implementation of CCLS, APPR, and DDI
 - Text Guides for English Language Arts and Mathematics
 - Tools to Guide the Collection of Evidence of Shifts in Practice
 - Tri-State Quality Review Rubric and Rating Process
 - NYS Common Core Sample Questions

At the bottom of the page, there are social media icons for Facebook, Twitter, and YouTube, along with the EngageNY Terms of Use link and the NYSSED logo.

