

The background is a dark grey chalkboard with various white chalk sketches. On the left, there's a large sketch of a microscope. Above it, a globe is visible. In the bottom left, there's a sketch of a stack of books. In the bottom center, an open book is shown with some handwritten text. On the bottom right, there are sketches of mathematical symbols including a percentage sign, an exclamation mark, and a less-than sign.

Welcome Back!

We're glad you're here!

Paired Text Sets

Strong Text Sets

- Builds student knowledge around a topic
- Meaningful connections to the anchor text
- Authentic, rich texts worthy of study
- Range of text types (literary and informational) and formats
- Supports student achievement through text complexity
- Includes texts that represent various forms of complexity
- Includes visual media, such as videos, images, maps, timelines, and other graphics or text features.

Weak Text Sets

- Superficial connection or no connection across texts in the set
- Only commissioned texts or textbook passages
- Focused on one genre or format (unless that set is a genre study)
- Text complexity levels are not appropriate for students (too low or too high)
- Text set does not represent diverse types of texts or diverse measures of complexity

Creating Text Sets

1. Choose an anchor text and determine the enduring understanding of the set.
2. Select additional texts and media and organize them as a whole.
3. Create an extension task that synthesizes knowledge from all texts and emphasizes the enduring understanding.
4. Identify standards that align with the texts in the set.
5. Continue to revisit the text set, revising and refining as needed.

Resources for Text Sets

Resources for Completed Text Sets

- [Achieve the Core, Text Set Project](#)
[Boston Public Schools Science and Literacy Texts](#)
[Louisiana Department of Education, K-12 Planning Resources](#)
Scroll down to ELA Guidebooks, then click on grade level. See also [science resources](#).
[NewsELA Text Sets](#)
[SUNY Geneseo Text Set Resources](#)
[Literacy Design Collaborative](#)
Create a free account, then click LDC Library on the top bar. Look for "Disciplines" filter and set to science.
[Close Reading and Technical Writing Grant Text Sets](#)

High Quality Sources for Informational Text

- [Newsela](#)
[Smithsonian Tween Tribune](#)
[Science News for Students](#)
[Scientific American](#)
[Science Daily](#)
[Public Library of Science](#) (Biology)
[NSTA's Outstanding Science Trade Books](#)
[American Association for the Advancement of Science](#)
[Flipboard](#)
[National Geographic](#)

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Text Complexity Work Group

606 items

"Biofuels form Switchgrass: Greener Energy..."
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 9, 10
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

"Genius Materials" on the ISS
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 6, 7, 8
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

"Nanodaisies" Deliver Drug Cocktail to...
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 11, 12
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

50 Years of SETI: One Cup of the Cosmic...
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 9, 10
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

Cooking with Chemistry
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 11, 12
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

Designer Chromosome for Brewers Yeast Built...
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 9, 10
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

Forget the Placebo Effect: Its the Cure...
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 9, 10
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

Galileo's Place in Science, an article from...
This informational text resource is intended to...

Primary Resource Type: Text Resource
Subject(s): English Language Arts, Science
Grade Level(s): 11, 12
Intended Audience: Educators
Collection: Text Complexity Work Group
More Information

Standards Preview

Standards Access Points Print/Export Standards Content Complexity Rating Coding Scheme Math Modeling Standards
Computer Science Standards Assessments

Standard 5: Earth in Space and Time

Related Resources
Video/Audio/Animation

Earth from Orbit in 2012:
This video contains a collection of the best images of the Earth taken from space in 2012

Interactive Space Station Reference Guide:
This is an interactive tool that gives insight into the crew lives at a space station. It provides a virtual tour inside the space station. Several interesting facts about the International Space Station are given.

MIT BLOSSOMS - Galaxies and Dark Matter: This video lesson has the goal of introducing students to galaxies as large collections of gravitationally bound stars. It explores the amount of matter needed for a star to remain bound and then brings in the idea of Dark Matter, a new kind of matter that does not interact with light. It is best if students have had some high school level

The origin and eventual fate of the Universe still remains one of the greatest questions in science. Gravity and energy influence the development and life cycles of galaxies, including our own Milky Way Galaxy, stars, the planetary systems, Earth, and residual material left from the formation of the Solar System. Humankind's need to explore continues to lead to the development of knowledge and understanding of the nature of the Universe.

Number: SC.912.E.5
Type: Standard
Grade: 912

Title: Earth in Space and Time
Subject: Science
Body of Knowledge: Earth and Space

Export To... print share

21 Access Points
11 Related Benchmarks

Related Resources
71 Total Resources

- 24 Text Resources
- 20 Lesson Plans
- 7 Video/Audio/Animations
- 4 Perspectives Video Professional/Enthusiasts
- 3 Teaching Ideas
- 2 Resource Collections
- 2 Image/Photographs
- 2 Tutorials

www.cpalms.org

MEA (Model Eliciting Activities) STEM Lessons

The screenshot shows a web browser window displaying the CPALMS.org website. The address bar shows the URL www.cpalms.org/Public/ResourceCollection/Preview/59. The page title is "526 items". The main content area displays a grid of eight MEA (Model Eliciting Activities) STEM Lessons, each with a title, description, and metadata.

Title	Description	Primary Resource Type	Subject(s)	Grade Level(s)	Intended Audience	Collection	More Information
The Big Oil Spill	What an exciting opportunity for the students...	Lesson Plan	English Language Arts, Science	4	Educators	STEM Lessons - Model Eliciting Activity	More Information
The Stars That We Don't See a YMAA Report	In this activity students will review some...	Lesson Plan	Science	8	Educators	STEM Lessons - Model Eliciting Activity	More Information
3-D Printers: Cost Effective for the...	Students will compare the cost of pre-made solar...	Lesson Plan	Mathematics, English Language Arts, Science	8	Educators	STEM Lessons - Model Eliciting Activity	More Information
3D Printing Pizza in Space!	Students will learn how NASA's scientists are...	Lesson Plan	English Language Arts, Science	6	Educators	STEM Lessons - Model Eliciting Activity	More Information
5K and No More - Producing Data	Can your school use \$5000? What school doesn't?!	Lesson Plan	Mathematics, English Language Arts	9, 10, 11, 12	Educators	STEM Lessons - Model Eliciting Activity	More Information
A Bunch of Hot Air....Balloon Rides That Is!	This is a 9th grade MEA about weather...	Lesson Plan	English Language Arts, Science	9	Educators	STEM Lessons - Model Eliciting Activity	More Information
A Healthy Outlook	Students will learn about nutrition and the...	Lesson Plan	Mathematics, English Language Arts, X-Health Education...	6	Educators	STEM Lessons - Model Eliciting Activity	More Information
A Home for Humphrey	This model eliciting activity is based on the...	Lesson Plan	English Language Arts, Science	2	Educators	STEM Lessons - Model Eliciting Activity	More Information

Text Set Form to be Completed





Text Set Title:	
Text Set Grade Placement:	
Enduring Understandings	
Text and Resources (Indicate in what order the supporting works are to be introduced and taught.)	
Anchor Text	Title: Author: Book(s) 1. 2. Article(s) 3. 4. Poem(s) 1. 2. Infographic(s) 3. 4. Other Media 5. 6. Supporting Works will be introduced/taught in the following order:
Supporting Works	
Standards	
Knowledge	Skills
Rich, Authentic Task	

I Teach Secondary, So Where Do I Post It?

DiggingDeepIntoScienceLiteracy - May 13 Grades 9-12 - Google Chrome

Secure | <https://diggingdeepintoscienceliteracy.wikispaces.com/May+13++++Grades+9-12>

Text Sets Homework

Grade	Teacher Topic	Standards (Science and ELA)	Text Set Form
9-12	Barbara DNA Carter	Bio1.LS1 Demonstrate how DNA sequence information is decoded through transcriptional and translational processes within the cell in order to synthesize proteins. Examine the relationship of structure and function of various types of RNA and the importance of this relationship in these processes	 Text Set Form to be Completed Revised.... Details Download 31 KB
11	Aileen Epigenetics Beeler	CLE 3216 4.4 Describe the relationship among genes, the DNA code, production of protein molecules, and the characteristics of an organism	 Text Set DNA.docx Details Download 109 KB
9-10	Hayley Global Brantley Warming	CLE 3210.2.3 Predict global climate change, impact an ecosystem.	 Epigenetics.docx Details Download 20 KB
			

Purchasing for Paired Text Sets

Please use the paper copy for drafting and then transfer your purchases to this sheet:
https://docs.google.com/spreadsheets/d/1KxXg-fe7ig_iUcKeiEQ5DtqJ-LaXMB6ibcto0-TyIAM/edit#gid=0

I Teach Middle School, So Where Do I Post It?

DiggingDeepIntoScienceLiteracy - May 13 Grades 6-8 - Google Chrome

Secure | https://diggingdeepintoscienceliteracy.wikispaces.com/May+13++Grades+6-8

Text Sets Homework

Grade	Teacher	Topic	Standards (Science and ELA)
8	Devlin Marcum	Genetics	<p>Hypothesize that the impact of structural changes to genes (i.e. mutations) located on chromosomes may result in harmful, beneficial, or neutral effects to the structure and function of the organism</p> <p>Examine a problem from the medical field pertaining to biomaterials and design a solution taking into consideration the criteria, constraints, and relevant scientific principles of the problem that may limit possible solutions</p> <p>ELA</p> <p>Write arguments to support claims with clear reasons and relevant evidence.a.</p> <p>Introduce claim(s) acknowledge and distinguish the claim(s) from alternate or opposing claims and organize the reasons and evidence logically.</p> <p>Support claim(s) with logical reasoning and relevant evidence, using accurate, credible sources and demonstrating an understanding of the topic or text.</p>
7	Kendra Cross	waves	<p>GLE 0707.11.5 Compare and contrast the basic parts of a wave.</p> <p>GLE 0707.11.6 Investigate the types and fundamental properties of waves.</p> <p>8.PS4 Develop and use models to represent the basic properties of waves including frequency, amplitude, wavelength, and speed.</p> <p>ELA Write arguments to support claims with clear and relevant evidence.</p> <p>Introduce claim(s), acknowledge, and distinguish the claim(s) from alternate or opposing claims and organize the reasons and evidence logically.</p> <p>Support claim(s) with logical reasoning and relevant evidence, using accurate</p>

Text Set Form to be Completed Revised...
[Details](#) [Download](#) 31 KB

Text Set Form

Text Set Form to be Completed-DMarcum...
[Details](#) [Download](#) 40 KB

Text Set Form to be Completed Revised...
[Details](#) [Download](#) 40 KB

Purchasing for Paired Text Sets

- **Approved Suppliers**

Ward's Science

<https://wardsci.com/store/Carolina>

<http://www.carolina.com/>

NSTA Books & Publications

<http://www.nsta.org/publications/>

Barnes & Noble

<http://www.barnesandnoble.com/>

Amazon

<http://www.amazon.com/>

Paired Text Set Purchasing - Google Sheets - Google Chrome

Secure | https://docs.google.com/spreadsheets/d/1KxXg-fe7ig_iUcKeiEQ5DtgJ-LaXB6ibcto0-TyIAM/edit#gid=0

Paired Text Set Purchasing ☆

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

Comments Share

Item

	A	B
1	Item	Supplier
2	Epigenetics: How Environment Shapes our Genes	Amazon https://www.amazon.com/s/ref=nb_sb_ss_ris_1_12?url=search-alias%3Abooks&pf_rd_p=8a1b1b1b-1b1b-4b1b-1b1b-1b1b1b1b1b1b
3	The Epigenetic Revolution	Amazon https://www.amazon.com/Epigenetics-Revolution-Rewriting-Understanding-Genetics/dp/0190603000
4	Epigenetics a graphic guide	Amazon https://www.amazon.com/Introducing-Epigenetics-Graphic-Cath-Ennis/dp/0190603000
5	Ward's Firefly Gene Transformation Kit 888232	Wards https://www.wardsci.com/store/product/8875934/firefly-gene-transformation-kit
6	Recovering the Romanovs	Carolina http://www.carolina.com/biotechnology-classroom-resources/recovering-the-romanovs
7	DNA molecule model	Ward https://www.wardsci.com/store/catalog/product.jsp?product_id=1440945
8	Heredity of human Traits lab	Ward https://wardscl.com/store/product/10424354/kit-wards-heredity-of-human-traits-lab
9	Intro to Chemistry Coloring Workbook	Amazon https://www.amazon.com/Intro-Chemistry-Coloring-Workbook-Writes/dp/0190603000
10	Ward's Chemical Elements for Observation	Ward's https://wardscl.com/store/product/8886610/ward-s-chemical-elements-for-observation
11	Ward's Element Groups	Ward's https://wardscl.com/store/product/17062060/element-groups
12	The Water Wars by Cameron Stracher (35 copies)	Barnes & Noble https://www.barnesandnoble.com/w/water-wars-cameron-stracher/1020410204
13	Lincoln's DNA	Barnes & Noble http://www.barnesandnoble.com/w/abraham-lincolns-dna-and-other-adventures/1020410204
14	Carbon Dioxide Meter	Amazon https://www.amazon.com/CO2Meter-AZ-0004-Temperature-Relative-Humidity-Meter/dp/0190603000
15	Springfield Rain Gauge Spike	Amazon https://www.amazon.com/Springfield-Rain-Gauge-Spike-Green/dp/B0020410204
16	AcuRite 00799 Digital Outdoor Window Thermometer	Amazon https://www.amazon.com/AcuRite-Digital-Outdoor-Window-Thermometer/dp/B0020410204
17	Taylor Precision Products Wireless Digital Indoor/Outdoor Thermometer	Amazon https://www.amazon.com/Taylor-Precision-Products-Wireless-Thermometer/dp/B0020410204
18	Climate Change from Pole to Pole: Biology Investigations (PB225X)	Amazon https://www.amazon.com/Climate-Change-Pole-Biology-Investigations/dp/0190603000

SHEET 1

Explore

And If I've Done All That Already?

- Help us create a text set resource for other educators.
 - Go to the wiki at diggingdeepintoscienceliteracy.wikispaces.com/Pedagogy
 - Scroll down to your grade level for Week One, Monday, June 10.
 - Click on Resources by Science Standards.
 - Click on your grade level or course(s) for a list of your standards.
 - Find good resources using the tools for text sets.
 - Add the title and a link to your article or book or additional resources from cpalms or other sites.
 - Amazon or Barnes and Noble links are acceptable for novels.



Please remember:

All text sets and orders must be posted
by Friday, July 14.

