
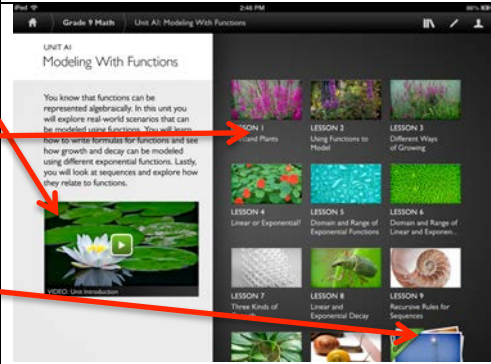
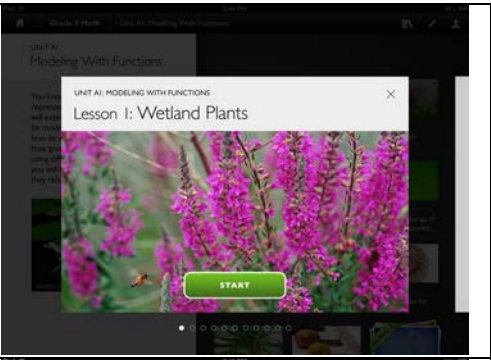




MTH A-1

<div>A-1-unit-browser.jpg</div> <div>- 1130x634</div>		Unit browser
<div>A-1-lesson-browser-1.jpg</div> <div>- 660x407</div> <div>A-1-lesson-browser-2.jpg</div> <div>to A-1-lesson-browser-12.jpg</div> <div>- all 300x168</div> <div>A-1-lesson-browser-13.png</div> <div>- 300x225</div> <div>- contains transparency</div>		Lesson browser

Lesson 1

<div>A-1-1-1.jpg</div> <div>- 1520x792</div>		Lesson preview
<div>A-1-1-2.jpg</div> <div>- 1500x911</div> <div>Background</div> <div>A-1-1-background.jpg</div> <div>- 2048x1536</div>		Page 36 Large media Template: Large Media Large_Media.psd
<div>A-1-1-3.png</div> <div>- 239x251</div> <div>- math mission icon only</div>		Page 35 Math Mission Template: Math Mission (Math) Math_Mission.psd

A-1-1-4.jpg
- 893x733

Grade 9 Math Unit: Modeling With Functions Lesson 1: Waterlily Plants

Explore Growth Patterns

Fred and Martha, two researchers, are monitoring the population of two plant species: the water lily and purple loosestrife. The population of each type of plant is initially 100 plants. After 1 week the researchers determine that the number of water lily plants has increased by 20 plants and the number of purple loosestrife plants has increased by 20%.

✓ Explain this statement: "Increasing a number by 20% is the same as multiplying it by 1.2."

After 2 weeks Fred and Martha see that the number of water lily plants has again increased by 20 plants and the number of purple loosestrife plants has again increased by 20%.

Week	Waterlily Plants	Purple Loosestrife Plants
0	100	100
1	$100 + 20 = 120$	$100 \times 1.2 = 120$
2		
3		
4		
5		
6		

INTERACTIVE TABLE: Waterlily Plants

Page 39 Media Right

Template: Media Right
Media_Right-ELA.psd
Media_Right-Math.psd

Grade 9 Math Unit 4: Rate Lesson 1: Explore Beats Per Minute

Tap the Beats

Open the application and play one of the sound tracks. As you listen, tap within the Tap Area to count the number of beats.

When you finish the first paragraph, open a canvas and respond to the following questions:

- ✓ How are the beats expressed on the double number line?
- ✓ Choose the graph option. How are the beats expressed on the graph?
- ✓ Compare the graph and the double number. How are they alike? How are they different?
- ✓ Is the number of beats per minute constant? How do you know?

INTERACTIVE: Tap the Beats

A-1-1-5.jpg
- 893x733

Grade 9 Math Unit: Modeling With Functions Lesson 1: Waterlily Plants

Explore Growth Patterns

- ✓ Graph the growth of the two different plants on the same coordinate axis. Use t-values between 0 and 6.
- ✓ Using your table and graphs, describe how the growth patterns of the two plant populations differ.

INTERACTIVE GRAPH

Page 39 Media Right

A-1-1-5.jpg
- 893x733

Grade 9 Math Unit: Modeling With Functions Lesson 1: Waterlily Plants

Explore Growth Patterns

- ✓ Graph the growth of the two different plants on the same coordinate axis. Use t-values between 0 and 6.
- ✓ Using your table and graphs, describe how the growth patterns of the two plant populations differ.

- Your horizontal axis will be time in weeks. It will start at $t = 0$ and end at $t = 6$.
- In your descriptions, use terms such as positive, negative, increasing, decreasing and constant.

INTERACTIVE GRAPH

OPEN NOTEBOOK

CHALLENGE PROBLEM

Page 39 Media Right

A-1-1-6.jpg
- 1125x688

Grade 9 Math Unit: Algebra Lesson 1: Waterlily Plants

Challenge Problem

For each type of plant, write an expression that represents the total number of plants for any time, t .

Then use the expression to find the total number of plants for $t = 10$.

OPEN NOTEBOOK

Page 44 Challenge Problem Math

Template: Challenge Problem (Math)
Large_Media.psd

Grade 9 Math Unit 4: Rate Lesson 2: Challenge Problem

Challenge Problem

What happens to the price of one egg when a dozen eggs are put on sale for 10% off?

Explain your thinking.

OPEN NOTEBOOK

No images

Grade 9 Math Unit: Modeling With Functions Lesson 1: Waterlily Plants

Make Connections

Take notes about other students' descriptions of the differences between the growth patterns of the purple loosestrife and the water lily.

OPEN NOTEBOOK

Page 33 Text Only

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Text_Only.psd

Grade 11 ELA Unit 2 Episode 1: Introducing the American Short Story Lesson 1

Whole Group Share

Share your responses with the class.

- ✓ What did you learn about the American short story from the video and Lesson Gallery?
- ✓ What historical periods were represented?
- ✓ What authors?
- ✓ What is most interesting to you about what you viewed?

Be sure to add anything to your annotations and answers that help to increase your understanding of the piece so far. Also, if you still have questions, be sure to ask your partner for help.

No images

Grade 9 Math Unit: Modeling With Functions Lesson 1: Waterlily Plants

Make Connections

Take notes about other students' descriptions of the differences between the growth patterns of the purple loosestrife and the water lily.

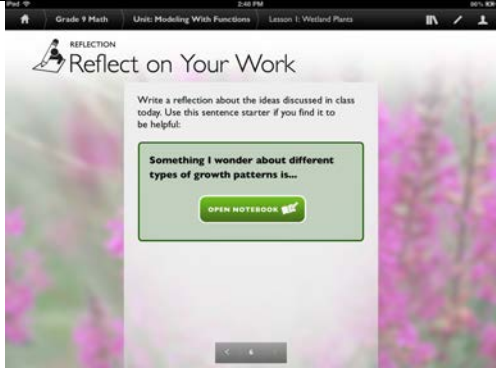
As your classmates present, ask questions such as:

- What growth patterns do you notice for the purple loosestrife?
- What growth patterns do you notice for the water lily?
- What do the two growth patterns have in common?
- How are the two growth patterns different?
- Over a long time period, which species will have more plants?

OPEN NOTEBOOK

Page 33 Text Only

No images



Page 33 Text Only

Lesson 2

A-1-2-1.jpg
- 1520x792



Lesson preview

A-1-2-2.jpg
- 893x735

Background
A-1-2-background.jpg
- 2048x1536



Page 39 Media Right

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Media_Right-ELA.psd
Media_Right-Math.psd



A-1-2-3.jpg
- 893x733



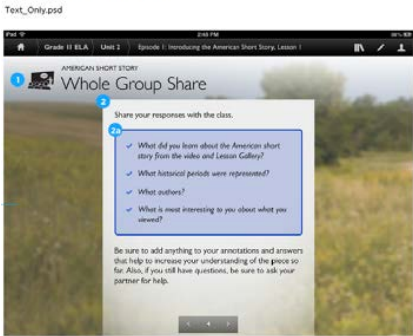
Page 39 Media Right

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Page 33 Text Only

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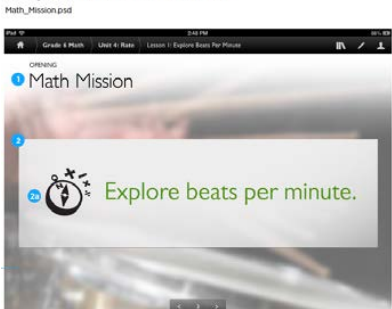







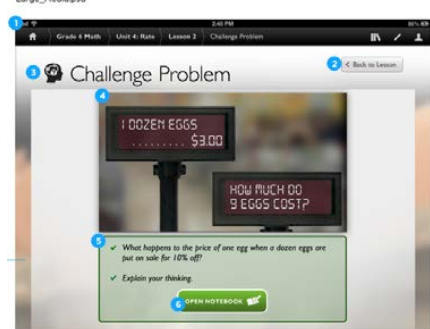


A-1-2-4.png
- 239x251
- math mission icon
- same as previous lesson



Page 35 Math Mission

Template: Math Mission (Math)
Math_Mission.psd



<p>A-1-2-5.jpg - 893x732</p> <p>A-1-2-6.jpg - 893x733</p> <p>- graph below principle image</p>		<p>Page 40 Media Right Stacked</p> <p>Template: Media Right Stacked</p> <p>Media_Righ_Stacked-ELA.psd</p> 
<p>A-1-2-7.jpg - 893x732</p> <p>A-1-2-6.jpg - 893x733</p> <p>- same as previous</p>		<p>Page 40 Media Right Stacked</p>
<p>A-1-2-8.jpg - 894x632</p>		<p>Page 40 Media Right Stacked</p>
<p>A-1-2-9.jpg - 1225x689</p>		<p>Page 44 Challenge Problem Math</p> <p>Template: Challenge Problem (Math)</p> <p>Large_Media.psd</p> 
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Page 33 Text Only

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Page 33 Text Only

Pagination thumbnails

- A-1-2-10.jpg
- A-1-2-11.jpg
- A-1-2-12.jpg
- A-1-2-13.jpg
- A-1-2-14.jpg
- all 225x150



Page 8 Pagination overlay

Element: Pagination Overlay (ELA)

