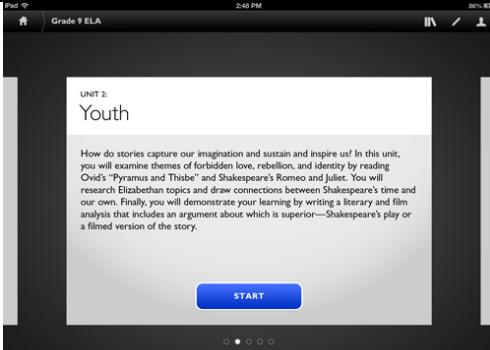
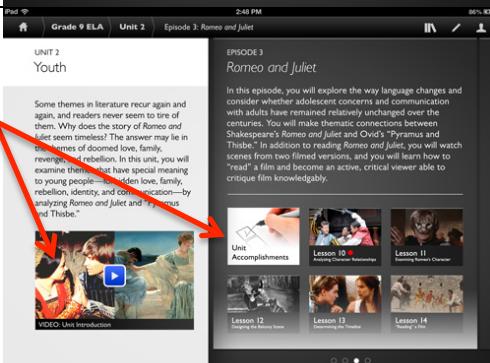
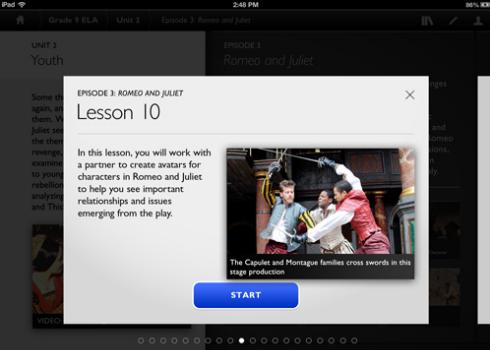
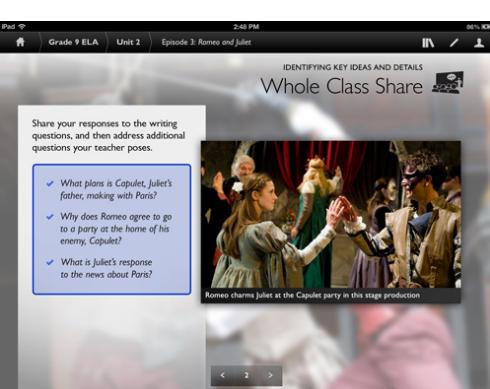
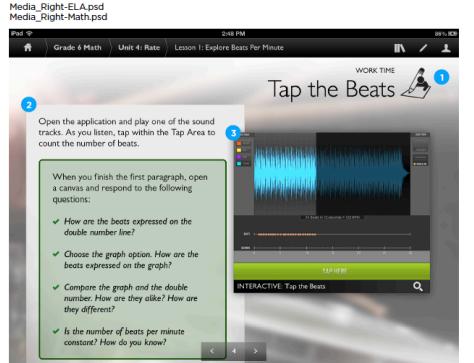


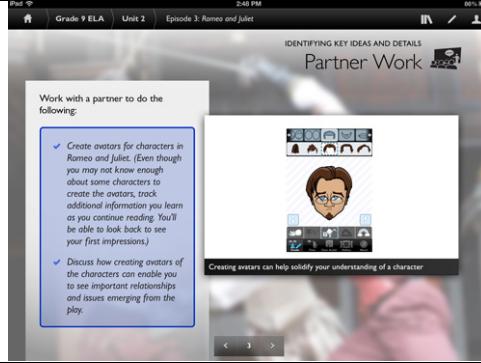
ELA 9-2

Images filenames	Course page	Template page
No images		Unit browser
9-2-0-lesson-browser-1.jpg - 660x411 9-2-0-lesson-browser-2.jpg 9-2-0-lesson-browser-3.jpg 9-2-0-lesson-browser-4.jpg 9-2-0-lesson-browser-5.jpg 9-2-0-lesson-browser-6.jpg 9-2-0-lesson-browser-7.jpg - all 300x155	 <p>A red arrow points from the first few lines of text in this row to the video thumbnail on the course page.</p>	Lesson browser

Lesson 10

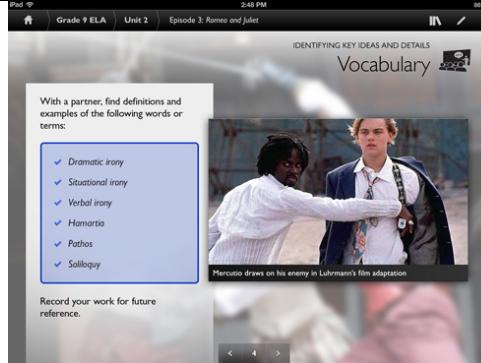
9-2-10-1.jpg - 780x440		Lesson preview
9-2-10-2.jpg - 1080x606		<p>Background 9-2-10-background.jpg - 2048x1536</p>
9-2-10-3.jpg - 1080x606		<p>Page 39 Media Right Template: Media Right Media_Right-ELA.psd Media_Right-Math.psd</p>  <p>2 Open the application and play one of the sound tracks. As you listen, tap within the Tap Area to count the number of beats.</p> <p>When you finish the first paragraph, open a canvas and respond to the following questions:</p> <ul style="list-style-type: none"> ✓ 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? <p>INTERACTIVE: Tap the Beats</p>

9-2-10-4.jpg
- 1080x678



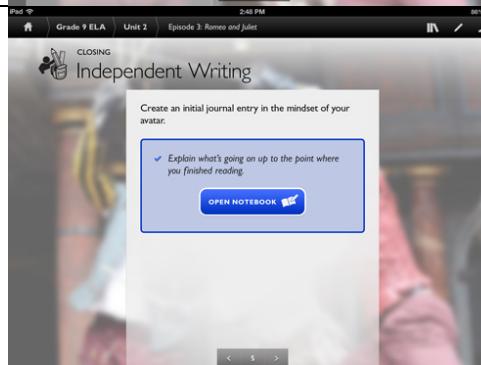
Page 39 Media Right

9-2-10-5.jpg
- 1080x606



Page 39 Media Right

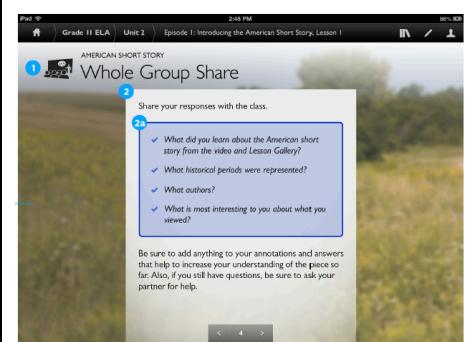
none



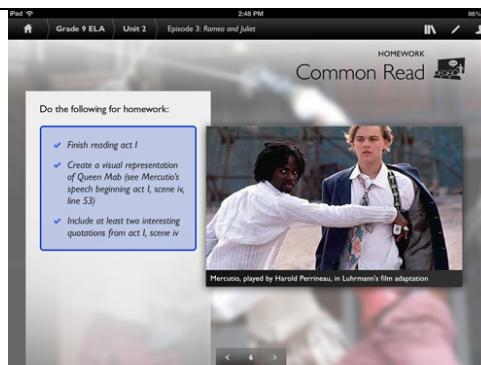
Page 33 Text Only

Template: Text Only

Text_Only.psd

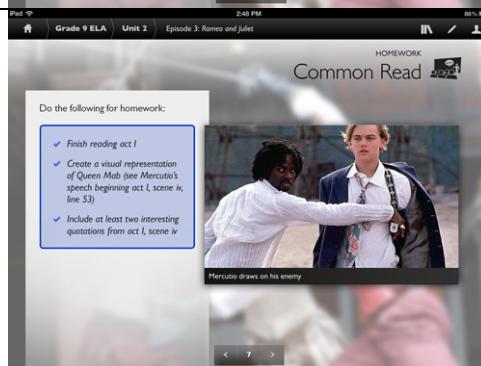


9-2-10-5.jpg
- 1080x606



Page 39 Media Right

9-2-10-5.jpg
- 1080x606



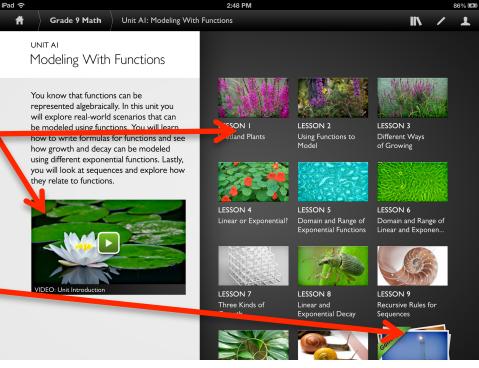
Page 39 Media Right

Lesson 11

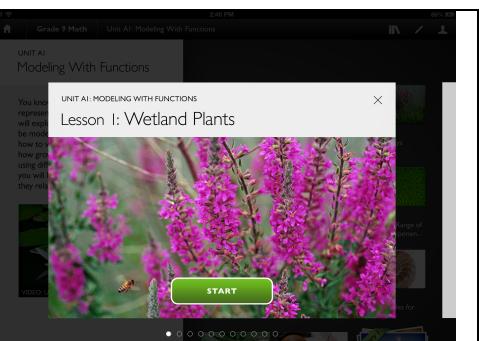
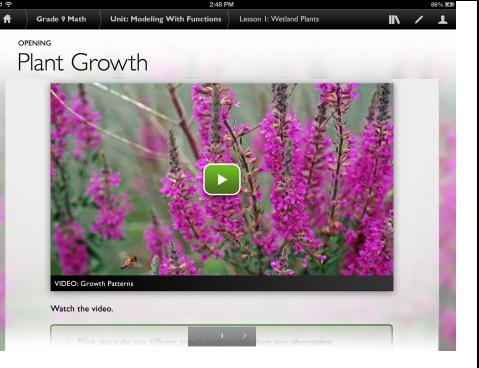
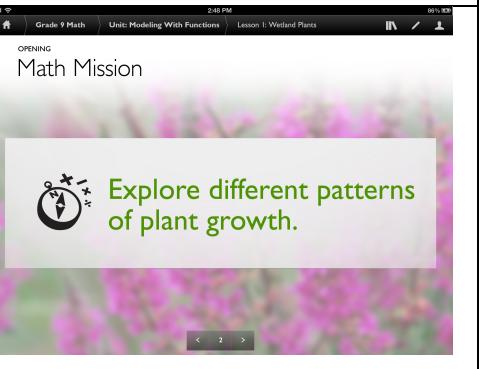
<p>9-2-11-1.jpg - 780x440</p>		<p>Lesson preview</p>
<p>Background 9-2-11-background.jpg - 2048x1536</p>		<p>Page 33 Text Only Template: Text Only Text_Only.psd</p>
<p>9-2-11-2.jpg - 1080x606</p>		<p>Page 39 Media Right Template: Media Right Media_Right-ELA.psd Media_Right-Math.psd</p>
<p>9-2-11-3.png - 940x668 - contains transparency</p>		<p>Page 39 Media Right</p>
<p>9-2-11-4.png - 773x619 - contains transparency</p>		<p>Page 47 Common Read Viewer Template: Common Read Viewer (ELA) Common_Read_Visual-ELA.psd</p>
<p>9-2-11-5.jpg - 1080x676 - note bigger than other media pieces</p>		<p>Page 39 Media Right</p>

<p>9-2-11-6.jpg - 1001x659</p>		<p>Page 39 Media Right</p>
<p>9-2-11-7.jpg - 1863x1360</p>		<p>Page 36 Large media? Template: Large Media Large_Media.psd</p>
<p>9-2-11-8.jpg 9-2-11-9.jpg - 866x259</p> <p>9-2-11-10.jpg 9-2-11-11.jpg - 1863x1360</p>		<p>Page 46 Lesson Gallery 4 Column Template: Lesson Gallery 4-Column (ELA) Lesson_Gallery_4_Column-ELA.psd</p>
<p>9-2-11-12.jpg - 1080x479</p>		<p>Page 39 Media Right</p>
<p>9-2-11-3.png - 940x668</p>		<p>Page 39 Media Right</p>

MTH A-1

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

Lesson 1

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

A-1-1-4.jpg

- 893x733

Fred and Martha, two researchers, are monitoring the growth 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%.

Time (in Weeks)	Number of Water Lily Plants	Number of Purple Loosestrife Plants
0	100	100
1	100 + 20 = 120	100 + 1.2 = 120
2	120 + 20 = 140	120 + 1.2 = 144
3	140 + 20 = 160	144 + 1.2 = 166.4
4	160 + 20 = 180	166.4 + 1.2 = 187.68
5	180 + 20 = 200	187.68 + 1.2 = 209.216
6	200 + 20 = 220	209.216 + 1.2 = 231.0576

What is the number of each species after 6 weeks?

Page 39 Media Right

Template: Media Right

Media_Right-ELA.psd
Media_Right-Math.psd

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 line. How are they alike? How are they different?
- ✓ Is the number of beats per minute constant? How do you know?

A-1-1-5.jpg

- 893x733

Graph the growth of the two different plants on the same coordinate axis. Use values between 0 and 6.

Using your table and graphs, describe how the growth patterns of the two plant populations differ.

Hint

INTERACTIVE GRAPH

Page 39 Media Right

A-1-1-5.jpg

- 893x733

Graph the growth of the two different plants on the same coordinate axis. Use 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 description, use terms such as positive, negative, increasing, decreasing, and constant.

Hint

INTERACTIVE GRAPH

Challenge Problem

Page 39 Media Right

A-1-1-6.jpg

- 1125x688

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

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

WAYS OF THINKING

Make Connections

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

Hint

OPEN NOTEBOOK

Page 33 Text Only

Template: Text Only

Text_Only.psd

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

WAYS OF THINKING

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?

Hint

OPEN NOTEBOOK

Page 33 Text Only

No images

REFLECTION
Reflect on Your Work

Write a reflection about the ideas discussed in class today. Use this sentence starter if you find it to be helpful:

Something I wonder about different types of growth patterns is...

OPEN NOTEBOOK

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

Template: Media Right

Media_Right-ELA.psd

Media_Right-Math.psd



A-1-2-3.jpg

- 893x733



Page 39 Media Right

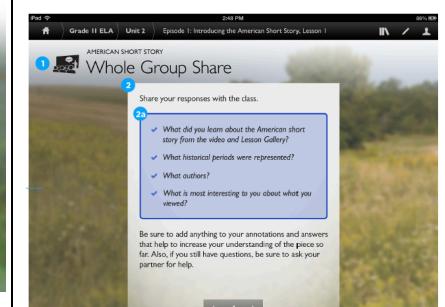
No images



Page 33 Text Only

Template: Text Only

Text_Only.psd



A-1-2-4.png

- 239x251

- math mission icon

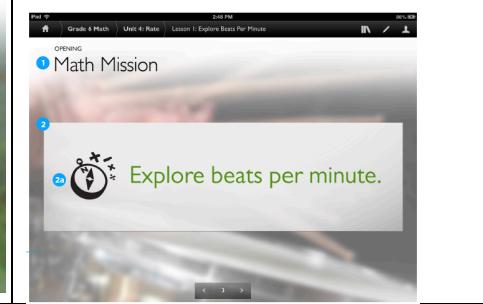
- same as previous lesson



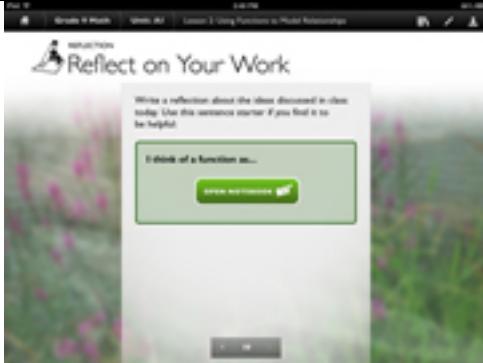
Page 35 Math Mission

Template: Math Mission (Math)

Math_Mission.psd



A-1-2-5.jpg		Page 40 Media Right Stacked Template: Media Right Stacked Media_Right_Stacked-ELA.psd
A-1-2-6.jpg		Page 40 Media Right Stacked
A-1-2-7.jpg		Page 40 Media Right Stacked
A-1-2-8.jpg		Page 44 Challenge Problem Math Template: Challenge Problem (Math) Large_Media.psd
A-1-2-9.jpg		Page 44 Challenge Problem Math Template: Challenge Problem (Math) Large_Media.psd
No images		Page 33 Text Only
No images		Page 33 Text Only

No images		Page 33 Text Only
No images		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		<p>Page 8 Pagination overlay Element: Pagination Overlay (ELA)</p> 