

WHAT IS 21ST CENTURY READING?

21ST CENTURY READING develops essential knowledge and skills for learners to succeed in today's global society. The series teaches core academic language skills and incorporates 21st century themes and skills such as global awareness, information literacy, and critical thinking.

Each unit of 21st Century Reading has three parts:

- **READ** about a 21st century topic—such as social robots and viral videos—in Lesson A.
- **LEARN** more about the topic by viewing an authentic TED Talk in Lesson B.
- **EXPLORE** the topic further by completing a collaborative research project.

Developing Reading Skills

CREATING A TIMELINE

Complete the timeline with information about Kyla from the passage on pages 71–73.

2011 First activity inspired by tech called _____

Feb. _____

Late 2012 _____

2014 _____

BUILDING VOCABULARY

A. Choose the best word to complete each sentence. Use each word at least once.

reputation gains respect individual progress

1. Kyla _____ from _____ reputation that she used to have in her town.

2. _____ a celebrity status which she has a special opinion on.

3. _____ her _____ reputation as a person in the town.

4. _____ her _____ reputation as a person in the town.

B. Match one of the bold words from the passage on page 72 with each definition.

1. individual or separate _____

2. a person's effect _____

3. the way people see and feel about someone or something _____

4. gain reputation _____



Lesson A

PRE-READING

A. Look at the photo and read the caption on page 41. Complete the sentences.

1. The image is really _____.

2. I am _____ with the way it looks.

3. The _____ of the image is _____.

4. I am _____ with the way it looks.

B. Read the text on pages 41–42. Then answer the questions on page 43.

1. What are the main messages of the text?

2. What are some examples of messages?

3. What are the main messages of the text?

4. What are some examples of messages?

5. What are the main messages of the text?

6. What are some examples of messages?

MESSAGES FROM THE SEA

Flashing colors, changing patterns, giant eyes... Meet the ocean's masters of disguise.

In the warm, shallow waters of coral reefs, one animal with an amazing ability: These animals, known as cephalopods, are able to change the appearance of their skin.

Squid, octopus, and cuttlefish are all types of cephalopods. Each of these animals has special cells, called chromatophores, that allow them to change their skin color to match their surroundings. This allows them to change the patterns and colors of their appearance.

Cephalopods really use their cells as camouflage to hide from predators that are nearby. Cephalopods are found in the warm, shallow waters of coral reefs. They are able to change their skin color to match their surroundings. This allows them to change the patterns and colors of their appearance.



LANGUAGE SKILLS

Strategies for understanding key ideas, language use, and purpose.

VOCABULARY BUILDING

READING SKILLS

Lesson B

TED TALKS

THE RISE OF PERSONAL ROBOTS

CYNTHIA BREZZAL, Robotics, TED speaker

Why do we have robots on Mars but not in our homes? This was a question Cynthia Brezzal asked herself when she was a graduate student at MIT in 1997.

Brezzal realized that robots are going to be everywhere. They are not just going to be in our homes. They are going to be in our cars, our schools, our workplaces, and our lives. She has spent the last 15 years of her life trying to figure out how to make robots that are useful and fun. She has created some of the most interesting and useful robots in the world. She has even created a robot that can play the piano.

In this lesson, you are going to watch segments of Brezzal's TED Talk. Use the information about her to answer the questions.

1. What did Brezzal decide to do when she was a graduate student at MIT?

2. What are some examples of the robots Brezzal has created?

3. How do you think robots could improve human lives?



Lesson A

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LIVING SPACES

In many communities around the world, people are finding creative ways to make the most of their resources.



BUSINESS AND TECHNOLOGY

GLOBAL AWARENESS

21ST CENTURY THEMES

Interdisciplinary topics that affect everyone in a global society



LEARNING SKILLS

The “4 C’s” that all learners need for success in a complex world.



TED TALKS

SUMMARIZING A PROCESS

1. Identify the main idea of the process.
2. An individual _____
3. A whole part _____
4. A whole part _____

Read the sentences and study the diagram. Use the steps to write a summary.

1. The first part of the summary is the main idea.
2. The second part of the summary is the main idea.
3. The third part of the summary is the main idea.
4. The fourth part of the summary is the main idea.

CRITICAL THINKING

1. Identifying: The idea of the world is “How do you do it?” What does the explanation say?
2. Analyzing: How do you do it? How do you do it? How do you do it?
3. Evaluating: How do you do it? How do you do it? How do you do it?

ESPECIALLY NOTE

Identifying: How do you do it? How do you do it? How do you do it?

What can you do with 20 sticks of spaghetti, one yard of tape, one yard of string, and one marshmallow? Try the Marshmallow Challenge!

The Marshmallow Challenge is a team game. The goal is to build the tallest free-standing structure you can in 18 minutes. You can use the spaghetti, tape, and string to build your structure. The team that builds the tallest structure that still stands when the marshmallows are placed on top wins the challenge.

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The Challenge

18 sticks of spaghetti • one yard of tape • one yard of string • one marshmallow

20 sticks of spaghetti • one yard of tape • one yard of string • one marshmallow

Developing Reading Skills

GETTING THE MAIN IDEAS

Read the information from the passage on pages 21 and 22. Write the main idea of the passage.

1. Write a sentence that states the main idea of the passage.
2. Write a sentence that states the main idea of the passage.
3. Write a sentence that states the main idea of the passage.

IDENTIFYING MAIN IDEAS

Read the information from the passage on pages 21 and 22. Write the main idea of the passage.

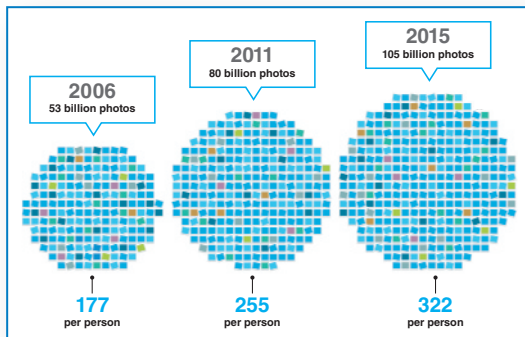
1. Write a sentence that states the main idea of the passage.
2. Write a sentence that states the main idea of the passage.
3. Write a sentence that states the main idea of the passage.

CRITICAL THINKING AND COMMUNICATION

CREATIVITY AND COLLABORATION

21ST CENTURY LITERACIES

The ability to deal with information in a variety of modern formats and media.



VISUAL LITERACY



INFORMATION AND MEDIA LITERACIES