

# WHAT IS 21<sup>ST</sup> CENTURY READING?

**21<sup>ST</sup> 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. \_\_\_\_\_  
 Decides to start her own \_\_\_\_\_

\_\_\_\_\_ Late 2012 \_\_\_\_\_  
 Writes a \_\_\_\_\_ for an online magazine she \_\_\_\_\_

\_\_\_\_\_ 2014 \_\_\_\_\_  
 Shows a lot of \_\_\_\_\_ in her \_\_\_\_\_

**BUILDING VOCABULARY**

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

reputation gains respect individual proper

1. Kyla \_\_\_\_\_ from \_\_\_\_\_ reputation that she earned in her \_\_\_\_\_.

2. After \_\_\_\_\_ a celebrity career, Kyla now has a \_\_\_\_\_ reputation.

3. \_\_\_\_\_ Kyla's \_\_\_\_\_ reputation is \_\_\_\_\_.

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

\_\_\_\_\_ 1. included or celebrated

\_\_\_\_\_ 2. a person's effect

\_\_\_\_\_ 3. the way people think and feel about someone or something

\_\_\_\_\_ 4. good behavior



**Lesson A**

**PRE-READING**

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

\_\_\_\_\_ 1. \_\_\_\_\_  
 \_\_\_\_\_ 2. \_\_\_\_\_

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

1. What are some examples of \_\_\_\_\_?

2. What are some examples of \_\_\_\_\_?

3. What are some examples of \_\_\_\_\_?

4. \_\_\_\_\_

5. \_\_\_\_\_

**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 rarely use their cells as camouflage to hide from predators. Instead, cephalopods are best at the job of the sea: making their bodies invisible. This allows them to hide from their prey. For example, the squid in the photo on page 41 is a squid called a squid. It can change its skin color to match the background. This allows it to hide from its prey.



## 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 BREZZAZZI, Robotics, TED speaker

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

Brezzazzi realized that robots are going to be everywhere. They are not just going to be in factories. They are going to be in our homes. They are going to be in our cars. They are going to be in our schools. They are going to be in our lives.

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

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

2. What are some examples of the kind of robots Brezzazzi is talking about?

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



## BUSINESS AND TECHNOLOGY

**Lesson A**

**PRE-READING**

A. Look at the photo and read the caption on page 47. Complete the sentences.

\_\_\_\_\_ 1. \_\_\_\_\_  
 \_\_\_\_\_ 2. \_\_\_\_\_

B. Read the text on pages 47–48. Then answer the questions on page 49.

1. What are some examples of \_\_\_\_\_?

2. What are some examples of \_\_\_\_\_?

3. What are some examples of \_\_\_\_\_?

4. \_\_\_\_\_

5. \_\_\_\_\_

**LIVING SPACES**

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



## 21<sup>ST</sup> CENTURY THEMES

Interdisciplinary topics that affect everyone in a global society

## GLOBAL AWARENESS



# 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. Annotate the process.
3. A. Write a paragraph summarizing the process. B. Write a paragraph summarizing the process.

**CRITICAL THINKING**

1. Analyzing: The idea of the world is “How do you do it?” What does the explanation mean? Can you identify the main idea of the world? How do you do it? How do you do it?
2. Predicting: Imagine you could observe the world. How do you do it? How do you do it? How do you do it?

**ESPECIALLY FOR**

Identify the main idea of the world. 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 will have one yard of spaghetti, one yard of string, one yard of tape, and one marshmallow. The team that builds the tallest free-standing structure wins.

**The Challenge**

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

**GETTING THE MAIN IDEAS IN PARAGRAPHS**

Identify the main idea of the paragraph on page 218. How do you do it? How do you do it? How do you do it?

**IDENTIFYING MAIN IDEAS IN PARAGRAPHS**

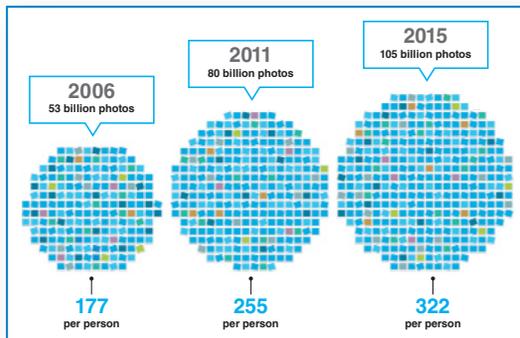
Identify the main idea of the paragraph on page 218. How do you do it? How do you do it? How do you do it?

# CRITICAL THINKING AND COMMUNICATION

# CREATIVITY AND COLLABORATION

# 21<sup>ST</sup> CENTURY LITERACIES

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



# VISUAL LITERACY



# INFORMATION AND MEDIA LITERACIES