



Extreme Machines

1 Looking at the contents page, which machine is the most interesting to you?

Common Core State Standards (Reading: Informational text): RI.3.5

2 Look at how the information is displayed on each spread with core text and information panels. Can you explain what the purpose of this format is and whether it is effective?

Common Core State Standards (Reading: Informational text): RI.4.5

3 Pick the most interesting fact from the panels and fact boxes and explain why you picked it.

Common Core State Standards (Reading: Informational text): RI.4.1

4 Add the places that are mentioned throughout the book onto a map template, with one machine fact for each place.

Common Core State Standards (Reading: Informational text): RI.4.2, RI.4.7

5 Add index references and the corresponding page numbers for all the places mentioned in the book, at the right point alphabetically.

Common Core State Standards (Reading: Informational text): RI.4.5

6 Write your own glossary entries for three terms that you didn't know before reading the book, or for three terms that a younger reader might not know.

Common Core State Standards (Reading: Informational text): RI.4.4

7 Choose three pictures that don't have captions and write your own.

Common Core State Standards (Reading: Informational text): RI.3.7, RI.4.7

8 The book uses a mixture of drawn illustrations and photos. Write a pro and a con for each style.

Common Core State Standards (Reading: Informational text): RI.4.7

9 Design your own machine for the future, label the diagram and write a fact box about it.

Common Core State Standards (Reading: Informational text): RI.4.3

10 Create a warning poster about the machine in the book which you think is the most dangerous.

Common Core State Standards (Reading: Informational text): RI.4.3

Answers

- 1 Answers will vary.
- 2 Answers will vary, but an example response is as follows:
The side panels break the text down and present the information in an accessible way, so it's easy to find key facts.
- 3 Answers will vary.
- 4 France, Britain, United States (Nevada, Florida), New Zealand, Russia
- 5 France: 12, 27; Britain, 16; United States (Nevada: 17, Florida: 26), New Zealand: 29, Russia: 34
- 6 Answers will vary, but example glossary terms are as follows:
extreme: reaching a very high or great level
lottery: a game where numbered tickets are sold for the chance of winning a cash prize
cockpit: the compartment of a vehicle where the pilot sits
- 7 Answers will vary, but example captions are as follows:
pages 8–9: A drag-car waits at the “Christmas tree” lights
page 14: A race car’s tires being changed in the pits
page 25: The deep-sea submersible *Alvin* collecting samples from the seafloor
- 8 Answers will vary, but example responses are as follows:
Illustrations pro: They can show exactly what the text is explaining and really bring a scene to life.
Illustration con: They are not always accurate.
Photo pro: They are a reliable source.
Photo con: They can be unclear.
- 9 Answers will vary.