



Summary

Full Throttle: Lotus is a fact-filled book about the Lotus sports car. The content includes Lotus specifications, statistics, history, and descriptions of the Lotus race cars.

Vocabulary	Comprehension Strategy	Genre Study	Text Features
aerodynamic chassis dynamometer fiberglass kit car monocoque privateers	asymmetric dies extruded aluminum horsepower light-emitting diode primer	Summarizing information, Determining cause/effect	Text structure: Supporting details, Use of description
			table of contents photographs captions timelines glossary bold glossary words
			headings diagrams text boxes index

Standards: Science and Social Studies

- Knows various settings in which scientists and engineers may work
 - Knows ways in which science and society influence each other
 - Distinguishes between past, present, and future time
 - Knows different forms of transportation and their development over time
 - Knows that innovation is the introduction of an invention into a use that has economic value
- Kendall, J. S., & Marzano, R. J. (2004). *Content knowledge: A compendium of standards and benchmarks for K-12 education*. Aurora, CO: Mid-continent Research for Education and Learning (McREL). Online database: www.mcrel.org/standards-benchmarks/

Discussion Prompts Prior to Independent Reading

Vocabulary Building and Background Knowledge:

Read the title as students look at the cover. Ask students what they already know about the Lotus. Scaffold a discussion that builds on the background knowledge of students and uses the glossary on page 30.

- Dies are used to shape the *chassis* of the Lotus. Read the definitions for both words. What else can you think of that might be created by using a *die*?
- Read the definition for *aerodynamic*. Name something that you know is *aerodynamic*.
- Read the definitions for *horsepower* and *torque*. What is the difference between these two words? What is similar?

Genre Study and Text Features:

State that **Full Throttle: Lotus** is an informational text. Ask students

to read the table of contents. Have them predict what they think the main idea of the book might be. Highlight genre characteristics and text features that will support students in reading the text.

Highlight prompts:

- One important characteristic of a book about a vehicle is that it gives vehicle specifications. Skim the book to find examples of how the author included the Lotus specifications.
- The author uses a cause-effect format. Read page 10. Lotus wanted to improve its reputation in the 1990's. What effect did the Elise have on the company's sales?

Reading the Book:

Have students read the book independently or with a partner.

Comprehension Questions

After students have completed reading **Full Throttle: Lotus** gather students together for a discussion based on the questions below or assign students to answer the questions independently or with a partner.

- The Lotus is very cleverly designed. Name some special features that are unique to the Lotus. Explain why you think they are clever.
- At the end of the book, the author states that Lotus warns new owners that many people will come and gawk at the car and ask lots of questions. What do you think some of those questions might be? How would you answer them if you owned a Lotus?

BLM: Extension Activity

Students may use the next page to write about three specifications of the Lotus and how it improves quality.



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Name: _____

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Commitment to Quality

Directions: Lotus focuses on quality. Identify three specifications that display the Lotus company's commitment to quality. Then, provide details on why those particular specifications improve the quality of the car.

Specification	How it improves quality