

Teacher Notes

Jolt your children into content-area reading success!



Synopsis

Robotics traces the development of robots, from the simple automatons of the past to the sophisticated multifunction robots being developed today. The book explains how robots and robotics assist people in a wide variety of ways.

Vocabulary Development

Prior to reading the book, read and discuss the high-powered words on page 4.

The high-powered words for this book are:

animatronics, artificial intelligence, automaton, bugbot, cyborg, humanoid.

Reading Assessment Focus

Identify and comment on the writer's purpose and viewpoints, and the overall effect on the reader:

- can the children talk about their engagement with the book? How interesting did they find the subject? Would they like to find out more? Does the development of robots raise any ethical issues? Does the writer have a view on any of these issues?

Before Reading – Get on the Wavelength

- Invite the children to discuss the title and the illustrations on the cover and the title page. Tell them that this is a book about robots and robotics.

Ask: *What does the word robot make you think of?*

Help the children understand that robots and robotics are not confined to science fiction.

Challenge the children to suggest some common uses of robotic technology.

- Tell the children to read the Contents page, then search the book for different types of robots.

Ask: *How are the different types of robots similar? How are they different?*

SHOCKER

One day, nanorobots might be injected into the body or swallowed. They might crawl through the body to destroy cancer cells or viruses. Or they might scamper through the arteries to break up clots!