

TEACHERS' NOTES

ARTIFICIAL INTELLIGENCE

THE FUTURE IS NOW



WOODY BRAMBLES

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Synopsis

Artificial intelligence, also known as AI, is a machine imitating intelligent human behaviour. It is already being used in self-driving cars, virtual assistants and robots. Some people believe AI will make our lives easier, while others believe it will make our lives harder. Take an in-depth look at the history of this amazing technology, and how it is shaping our destiny in Artificial Intelligence: The Future is Now.

Writing style

Artificial Intelligence: The Future is Now has been designed with the needs of early and moderate readers in mind. The amount of text is kept to a minimum on each page, and in some cases combines primary text with smaller-sized captions. Given the subject matter, special care is taken to try and reduce potentially complex concepts to their barest, simplest essence. The information conveyed by the text has a natural and understandable flow, and the large format images relate directly to the text, so young readers have multiple entry points to engaging with the information.

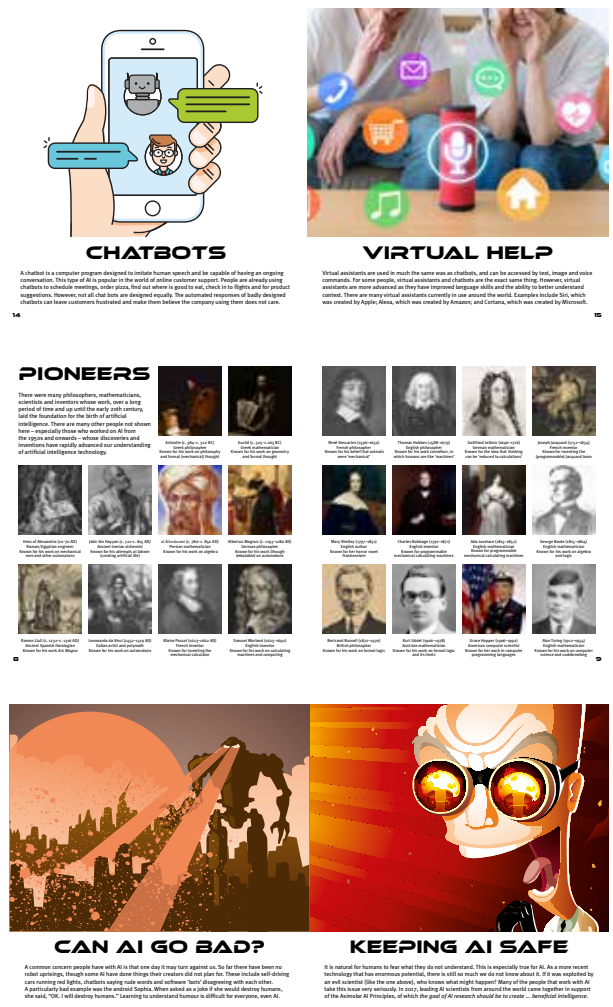
Photographic style

The Future is Now series uses an artful layout that deftly juxtaposes historical black-and-white photographs with richly detailed images from the modern day. These modern images are comprised of photographs, illustrations and vectors, and have the advantage of being static, giving the reader the opportunity to explore the image and look at the subject matter and its features in detail. The photographs are also strongly composed and clearly printed with bright strong colours to increase the appeal to visual readers. Readers can explore how images are used to convey messages.

Specifications

Author	Woody Brambles
ISBN	9781742034751
Format	260mm x 250mm
Extent	24pp + cover
Binding	Paperback
Reading level	7+
Interest level	7+
Category	Junior Non-Fiction

Example spreads taken from the book



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Study notes: Themes

- Descriptive words
- Modern technology
- AI and mythology
- History of AI
- Automations
- Pioneers of AI
- When is AI 'human'?
- Data and AI
- Famous examples of AI
- How AI is used today
- Can AI turn against us?
- Future of AI

Curriculum link: Literacy

Before reading:

- Brainstorm what students know about artificial intelligence.
- What is their first response when they look at the cover of the book?
- Can they think of any examples of artificial intelligence being used today?

While reading:

- Ask the students to take turns reading a paragraph aloud to the rest of the class. Where appropriate, ask the students what they think certain words may mean.

After reading:

- Ask the students to reflect on the words they would use to describe artificial intelligence and the words that were used in the book. Ask them to draw up a list of words that can be used to describe artificial intelligence.

Curriculum Theme: Critical and Creative Thinking

After reading *Artificial Intelligence: The Future is Now*, ask the students the following questions:

- What is AI?
- Why is it important?
- How long has it been around?
- Give some examples of older technology and myths that existed before the discovery of AI, and may have helped to its eventual discovery.
- What are some examples of AI being used today?
- How might AI be used in the future?
- What is the potential impact AI could have on our lives?
- Do people think AI will have a positive or negative impact on our lives?





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Curriculum link: ICT Capability

After reading Artificial Intelligence: The Future is Now:

ACTIVITY:

- Organise the class into small groups. Assign each group an example of AI from the book currently being used today. Ask the groups to research their type of AI online and answer the following questions: What is their type of AI? What is its purpose? How does it make our lives better? How long has it been around? Is there any potential for this AI to make our lives worse? How might this AI change in the future?
- Ask the children to look for and print images relating to their example of AI. Specifically, look for examples of how it is being used by humans.
- Ask each group to create a poster collage. Ask them to attach the images they found and to write a short sentence detailing what their AI is, how it is used and what impact it has had on our lives. All members of the group then take turns presenting their findings to the rest of the class.

Curriculum Theme: Personal and Social Capability

After reading Artificial Intelligence: The Future is Now:

ACTIVITY:

- Organise the class into two groups. In one group, ask the students to work as a team to construct a word finder puzzle. Ask each student to suggest an appropriate word about artificial intelligence using words they have learned from the book (e.g. logic, mythology, analyse etc.). Once completed, print copies for the other group to complete.

ACTIVITY:

- In the second group, students should work as a team to create a trivia bingo game. Ask each student to suggest a fact they found surprising or interesting. Combine these facts into a game for the whole class.

ACTIVITY:

- Ask the students to write a creative story about a future in which AI has become incredibly advanced and widespread throughout society. How are their lives affected? Are there more or less humans? How has technology changed? What does the world look like? Is it a good or bad place to live?

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Find out more

- <https://www.abc.net.au/news/story-streams/artificial-intelligence/>
- <https://www.kinderling.com.au/news/teaching-kids-about-robots-reality-artificial-intelligence>
- https://kids.kiddle.co/Artificial_intelligence
- <https://www.youtube.com/channel/UC5zx8Owijmv-bbhAK6Z9apg>
- <https://www.youtube.com/channel/UC5g-f-g4EVRkqL8Xs888BLA>
- <https://www.youtube.com/channel/UCP7jMXSY2xbc3KCAE0MHQ-A>

Marketing and promotion

Artificial Intelligence: The Future is Now is the launch title in a fascinating new series looking at modern technologies shaping our future. Planned titles include *3D Printing*, *Robots*, *Chips*, *Phones* and *Virtual Reality*, among others.

Planned titles

