

Computer Intelligence Engineers

Anne Taylor



Series Editor Casey Malarcher

**Seed
Learning**



Contents

What Is a Smart Computer?	4
Why Do We Need Smart Computers?	11
How to Be a Computer Intelligence Engineer?	18
What Do Computer Intelligence Engineers Study? ..	22
Where Are the Jobs?	24
In the Future?	26
Comprehension Questions	28
Glossary	29
Notes	31

What Is a Smart Computer?

We can think and learn using our brains. Computers can't think. They don't have brains. But one day they will. Smart computers will think. And they will learn new things.



Who will make a computer's brain?
A computer intelligence engineer!

Working on a computer



What do computer intelligence engineers do?

Computer intelligence engineers make smart computers. Well, they are trying to! They want to make computers that can think and understand. It's a difficult thing to do. So they are not done yet.

Developing new computer technology



A company called IBM made a smart computer called Watson. Watson went on a TV game show. It answered lots of questions and won the game. Even though Watson can do a lot, engineers want to make a better computer. They are trying very hard.



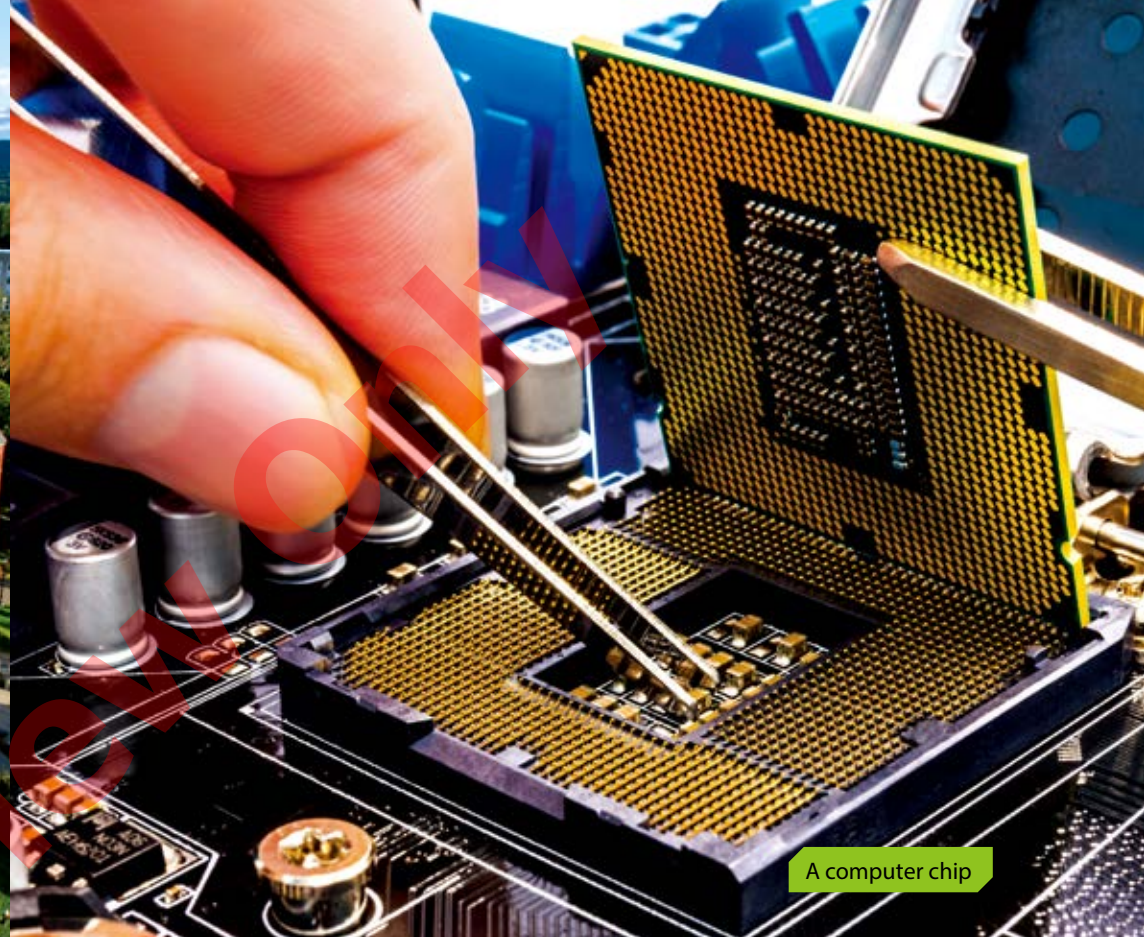
The TV game show that Watson was on



A university

Smart computers will mimic the way the human brain works. They will understand language and recognize objects. They will perform the same kinds of tasks as humans do.

Researchers at some universities are working together with a computer company. They are making a super-computer. This super-computer will perform like a real brain.



A computer chip

How will it perform like a real brain? The university researchers are working on how to make a new chip. The chip will mimic the way our brains send information to other parts of our bodies.

Comprehension Questions

- Smart computers will . . .
 - cook and clean.
 - go to university.
 - help blind people see again.
 - think and understand.
- What should a computer intelligence engineer study?
 - English and math
 - Computer science and biology
 - Math and business
 - None of the above
- Which is NOT something a smart computer could do?
 - Run fast
 - Help doctors
 - Recognize faces
 - Help blind people
- Where do computer intelligence engineers work?
 - On TV shows
 - In taxis
 - At universities
 - All of the above
- Our ideas for smart computers are still new, so . . .
 - we know everything about them.
 - there is a lot more to learn about them.
 - they are big.
 - they are very common.

Key 1. (d) 2. (b) 3. (a) 4. (c) 5. (b)

Glossary



■ **biology** (n.) the study of living things



■ **data** (n.) information, especially numbers and facts; information stored in a computer



■ **degree** (n.) the qualification obtained by students who successfully complete a university or college course



■ **engineer** (n.) a person who thinks of new ways to build things or solve problems



■ **intelligence** (n.) the ability to learn, think, and understand



■ **mimic** (v.) to copy; to act like someone or something else