



NIKOLA TESLA



Scan to review worksheet

Expemo code:

144L-7D9X-C88

1

Warm-up

Which of these items are electric? Which items are electronic? What do you know about how and when these technologies started?



2

Vocabulary I

Read the sentences below and try to understand the words in bold. Then match these words with their meanings on the next page.

People who work in **engineering** **invent** and build the things we use every day. Some engineers work with electrical **systems** which use **wires** to light our homes. Sometimes this electricity comes from **hydroelectric** energy and travels long **distances** to reach cities that need power.

1. engineering

3. system

5. hydroelectric

2. invent

4. wire

6. distance



- a. design and make something completely new
- b. a long way, for example - many kilometres
- c. produced from the fast movement of water in a river or waterfall
- d. a set of connected things that work together
- e. a thin piece of metal that carries electricity to a light or machine
- f. using science to design and build machines, buildings and roads, etc.

3**Vocabulary II**

Now match these words in bold with their meanings.

1. You passed the exam! What an **achievement**!
 2. My **business partner** knows a lot about social media.
 3. There is a **huge tower** inside the castle.
 4. **Powerful** people include politicians and film stars.
 5. This is the police. Put down your **weapon**!
- a. an item used to hurt or kill other people, like a gun
 - b. a very tall structure or building
 - c. someone who brings money or knowledge to a business and works together with another person to make the business successful
 - d. something difficult that someone has done which they are now proud of
 - e. very strong and rich

4**Listening 1**

Audio



You are going to listen to information about Nikola Tesla (1856-1943), a famous engineer and inventor. First, read these sentences and predict if they are true or false. Then listen and check your ideas. Be ready to explain your answers.

1. Like many scientists, Tesla was an unusual child.
2. At first, Tesla worked alone.
3. Tesla developed an electrical system called AC.
4. All of Tesla's projects were successful in his lifetime.
5. Tesla invented the electric car.

Video





5 Listening 2

Read the questions below. Can you remember which answer is correct? Discuss with your partner. Then listen again and check.

1. Why did Tesla move to New York City?
 - a. To study engineering
 - b. To work with Thomas Edison
 - c. To bring electricity to the USA
2. Who helped Tesla create the AC system?
 - a. Thomas Edison
 - b. Tesla's first business partners
 - c. Tesla's second business partners
3. Who was fighting against Tesla in the "Current Wars"?
 - a. Thomas Edison
 - b. George Westinghouse
 - c. Tesla's old business partners
4. What did Westinghouse and Tesla do together?
 - a. Built a huge tower to send information and electricity without wires
 - b. Made AC the main electrical system in the USA
 - c. Brought electricity to New York City
5. Which unusual idea did Tesla NOT work on later in his life?
 - a. An electric bicycle
 - b. A death ray
 - c. Photos of memories

6 Speaking

Discuss any of the questions below in pairs or small groups.

1. Look at this list of some of Tesla's inventions. Put them in order from the most important/useful to the least important/useful. Explain your ideas.
 - Hydroelectric energy
 - Alternating current
 - Death ray
 - Photographs of memories
 - Wireless communication
2. Edison and Tesla were each fighting to make their own product the most successful. Can you think of any companies or brands today that are doing the same thing?
3. When Tesla Motors chose their company name, can you imagine which achievements or qualities of Nikola Tesla were they thinking of?
4. What would you ask Tesla if you could meet him?



7

Extension

Review vocabulary from the lesson by completing this word-search. Read the clues and remember the words or names. Then find these in the puzzle.



1. something difficult that someone has done and is proud of _____
2. using science to design and build machines, etc _____
3. design and make something completely new _____
4. very large or tall _____
5. a thin piece of metal that carries electricity to a light _____
6. a long way, many kms _____
7. very strong and rich _____
8. the inventor of direct current (DC) _____
9. a set of connected things that work together _____
10. an item used to hurt or kill people _____
11. a business _____ brings money/knowledge to help a business
12. a tall building - part of a castle _____
13. the man who helped Tesla make AC the main system in the US _____