

GRADE UNIT

8

9



Functions

- * Describing the actions happening currently
- * Talking about past events



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|---------------------------|--|
| Grade | 8.9 |
| Function | Describing the actions happening currently Talking about past events |
| Skills | Listening Speaking : Free speaking for lead in Listening : For specific information Writing Genre : Outline , Audience:Peers,Purpose: to fill in the table about the actions currently and past events |
| Duration | 20mins. |
| Materials required | Track 1 for listening Exercises and time table for listening and writing activities in Appendix A |
| Aims | To recognize main ideas and key information in short oral texts about science To understand the actions happening currently and past events |
| Procedures | <ol style="list-style-type: none"> 1. The teacher asks the lead in questions. 2. The teacher asks the students to listen to track 1 and choose the correct option in Appendix A. 3. The teacher asks the students to listen to the track again and write the statements into the correct category in Appendix A. 4. The teacher asks the students to imagine they are scientists and working on a new invention and write a short paragraphs in the example in Appendix B. |



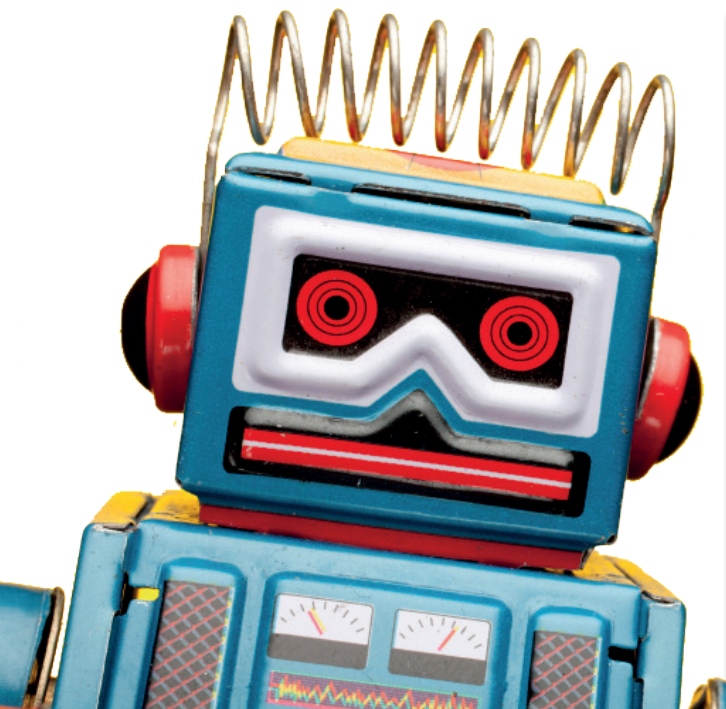
Lead in

Answer the questions.

- * Are you interested in science?
- * Do you read science magazines?

Appendix A

A. Listen to the text and choose the correct options.



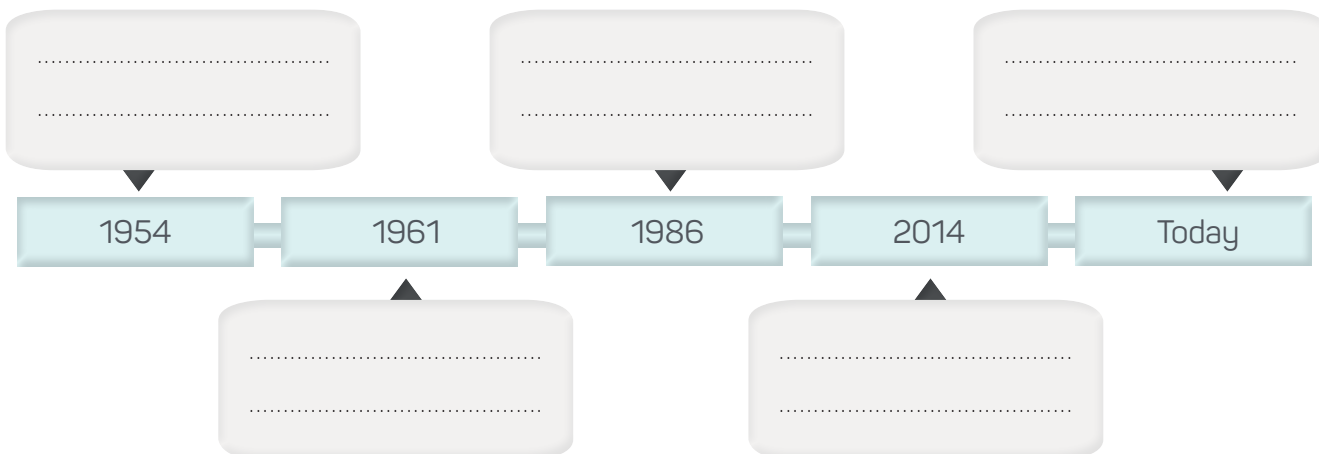
1. used the first industrial robot in an automobile factory.
 - a) George Devol
 - b) Automobile manufacturers

2. scientists produced ASIMO.
 - a) American
 - b) Japanese

3. ASIMO is
 - a) helping disabled people
 - b) producing automobiles

B. Listen to the text again and write the statements into the correct dates.

- Asimo is jumping, running, walking and climbing stairs.
- People used Unimate in an automobile factory.
- Japanese scientists started to develop a robot
- The scientists finished the production part of ASIMO and introduced it to us.
- George Devol invented Unimate.





Appendix B

C. Imagine you are a scientist and working on a new invention. Write a short paragraph describing the steps of your work. You can use the phrases below or you can add more as in the example..

finish first part

start planning

collect data

do experiments in the lab

read books about similar researches

.....

.....

.....

Example:



I started planning my new robot two years ago. I finished the first part of my robot two months ago and now I am collecting data to finish the second part of my robot.

A large writing area with a vertical spiral binding on the left side and horizontal lines for text.



| | |
|---------------------------|---|
| Grade | 8.9 |
| Function | Describing the actions happening currently Talking about past events |
| Skills | Speaking Listening : For specific information Speaking : Focus on fluency |
| Duration | 25 mins. |
| Materials required | Track 2 for listening Pictures for listening activity in Appendix A Picture for speaking activity in Appendix A |
| Aims | To talk about actions happening currently and in the past To describe actions happening currently and in the past |
| Procedures | 1. The teacher asks the students to listen to track 2 and tick the inventions/ discoveries they hear in Appendix A. 2. The teacher asks the students to look at the information cards and talk about them as in the examples in Appendix A |



Appendix A

A. Listen to the statements and tick the inventions you hear. There is one extra.



1

3D Printer

2

Compass

3

Steam Machine

4

Television

5

Contact Lens

B. Look at the information cards and talk about them as in the example.

Telephone
Alexander Graham Bell

Holographic communication

Example: Graham Bell invented the telephone in 1876 and now scientists are working on holographic communication technology.

Printing Press
Johannes Gutenberg

3D Printer

Penicillin
Alexander Fleming

Digital Medicine



| | |
|---------------------------|---|
| Grade | 8.9 |
| Function | Describing the actions happening currently Talking about past events |
| Skills | Reading Speaking : Free speaking for lead in Reading sub-skill : Scanning and skimming Speaking : Focus on fluency |
| Duration | 25 mins. |
| Materials required | Photos and text for reading and speaking activities in Appendix A |
| Aims | To understand short and simple texts about actions happening currently To understand short and simple texts about actions in the past |
| Procedures | <ol style="list-style-type: none">1. The teacher asks the lead in questions.2. The teacher asks the students to scan the text and underline the inventions in Appendix A.3. The teacher asks the students to read the text and answer the comprehension questions in Appendix A.4. The teacher asks the students to discuss the questions in Appendix A. |



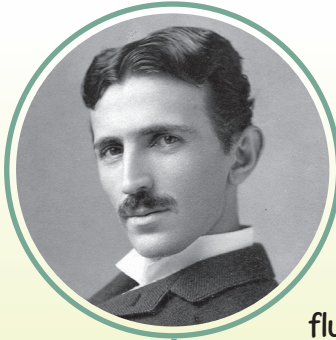
Lead in

Answer the questions.

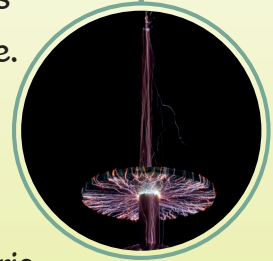
- * Who is a discoverer? Who is an inventor?
- * What do you think about the new inventions?

Appendix A

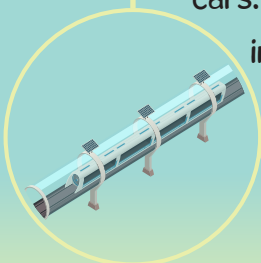
A. Scan the text and underline the inventions.



The genius Nikola Tesla was born in Croatia and lived between 1856 and 1943. Between these dates he had more than 300 inventions. He was one of the most important engineers and physicists in the world. He invented alternating current (AC), electric motors, radios, fluorescent lights, lasers, remote controls, and so on. His mother also invented small kitchen appliances in her free time. Tesla moved to the USA from Hungary to work at Edison's lab. They worked for hours to improve the inventions. He could work 85 hours without stopping because he didn't sleep more than 2 hours a day. In 1895, he designed the first hydroelectric power plant in the Niagara Falls, the USA. Without Tesla, we may not power our homes, or read this text today.



Today's "Tesla" Elon Musk was born in South Africa in 1971. He created his first computer game when he was 12 years old. He was interested in Internet so worked on digital shopping when he was at the university. In 2002 he started to work on space. He launched his rocket in 2006. Today he is still working on space trips and his rockets are making short flights to test space technology. Today he is producing Tesla electric cars. These cars are the fastest electric cars in the world. His newest invention is Hyperloop. It is a kind of tube with 28 passengers and the people will travel underground in USA with 1220 km per hour.





B. Read the text and answer the following questions.

1. How old was Nikola Tesla when he died?

.....

2. Was Nikola Tesla an inventor or a discoverer?

.....

3. What did Elon Musk create first?

.....

4. Are Elon Musk's rockets flying to the space with the passengers?

.....

C. Discuss the following questions.

Do you know any other inventions of Nikola Tesla?

What is Elon Musk's next step? What is he planning to invent/discover?



| | |
|---------------------------|---|
| Grade | 8.9 |
| Function | Describing the actions happening currently Talking about past events |
| Skills | Writing Reading sub-skills : Skimming Writing Genre: Paragraph, Audience : Peers, Purpose : To write a simple paragraph about action happening currently |
| Duration | 30 mins. |
| Materials required | Paragraphs for reading activity in Appendix A Writing activity in Appendix B |
| Aims | To write simple description of scientific achievements in a short paragraph To write a paragraph about action happening currently and in the past |
| Procedures | <ol style="list-style-type: none"> 1. The teacher asks the students to read the short paragraphs and answer the comprehension questions in Appendix A. 2. The teacher asks the students to write a short description about their new inventions in the example in Appendix B. |

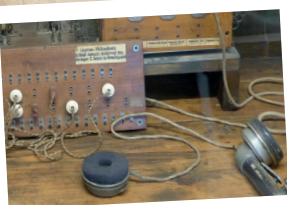


Appendix A

A. Read the short paragraphs. Then choose T (true), F (false) or NI (no information).

What is an invention?

An invention is a new and useful machine or piece of work. Inventions can change the way you live. Inventions have given people a new world to live in. Here are some of these inventions that affected our life deeply.



Telephone

The telephone is one of the most popular ways to communicate. Alexander Graham Bell invented the telephone in the 1876. Today we are using different types of the phones.

This invention has changed the way people travel. Planes are the fastest and most comfortable way of travelling. Wright Brothers invented the first plane in 1903. Today, it is so easy to travel somewhere or send anything in the world.



Airplane

Computer is one of the oldest inventions. Because the first computer was wooden Abacus 2000 years ago. But in the 16th century Pascal made the first mechanical computer as a calculator. Many scientists came together and invented the first digital computer. Today we are using many types of computer in every part of our life.



Computer

French mechanic named Nicolas Joseph invented the first automobile. Before that, the people used horses or trains. But in the 18th century, Karl Benz made the first practical automobile. Then, Henry Ford improved it to use for long distances.



Automobile

1. Today we use Bell's telephone model.
2. Wright Brothers invented the aircraft in the beginning of 1900's.
3. Pascal used the first computer in science lessons in 16th century.
4. Before cars, the people were using horses.

| | T | F | NI |
|----|--------------------------|--------------------------|--------------------------|
| 1. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Appendix B

B. Write a short description about your new invention and draw the picture of it as in the example.

Self Waterer Plant Pot

Example:



An invention by : Phil Douglas

Age : 13 Date : 5/1/20

The name of my invention is :
Robot plant waterer pot R.P.W.P

This invention is for everybody. It will have a electronic device in the pot with batteries.

You can programme it so it waters the plant on time. It will work like the pools in the parks. The plants will not die so it will be colourful and live longer.

Draw your invention

Name of the invention: _____

Description: _____



LISTENING - (Track 1)

Appendix A

A. Listen to the text and choose the correct options.

Track 1 : *In 1954, George Devol invented the first digitally operated and a programmable robot called the Unimate and in 1961 automobile manufacturers used this first industrial robot in an automobile factory in New Jersey.*

In 1986, Japanese scientists started work on developing a robot. 28 years later, they finished the production part of ASIMO and introduced it to us in 2014. ASIMO is currently the most realistic humanoid robot in the world. It is jumping, running, walking, climbing stairs and even hopping on one leg! It can also use its five fully functioning fingers to hold objects in its hands.

ASIMO has cameras for eyes, and it can recognise faces. It is also understanding basic commands from people and performing the actions correctly. The scientists programmed it to know American and British Sign Language to communicate with deaf people and to help disabled people. Now, the company is taking ASIMO all around the world to show it to young people in order to inspire and encourage them to study science.

1. a 2. b 3. a

B. Listen to the text again and write the statements into the correct category.

1954 - George Devol invented Unimate.

1961 - People used Unimate in an automobile factory.

1986 - Japanese scientists started to develop a robot

2014- The scientists finished the production part of ASIMO and introduced it to us.

Today- Asimo is jumping, running, walking and climbing stairs.

C. Imagine you are a scientist and working on a new invention. Write a short paragraph describing the steps of your work. You can use the phrases below or you can add more.

- Students' own answers.

SPEAKING - (Track 2)

Appendix A

A. Listen to the statements and tick the inventions you hear. There is one extra.

Track 2 : *1. Chinese invented the compass in 20 BC.*

2. 3D printing technology is not new but scientists are working on using human cells to grow various human body parts out of a lab.

3. Philo Taylor Farnsworth was 21 years old when he invented the first Television in 1927.

4. Researchers are working on an interesting and exciting contact lens. This lens will help us to see our smart phone's screen in our eyes.

- ✓ 1 ✓ 2 ✓ 4 ✓ 5



B. Look at the information cards and talk about them as in the examples.

- Students' own answers.

READING

Appendix A

A. Check the text and underline the inventions.

alternating current (AC),

electric motors,

radios,

fluorescent lights,

lasers,

remote controls

hydroelectric power plant

Hyperloop

B. Read the text again and answer the questions.

1. He was 87 years old.

2. He was an inventor.

3. He created his first computer game

4. No, they aren't. They are flying without passengers.

C. Discuss the following questions.

- Students' own answers.

WRITING

Appendix A

A. Read the short paragraphs. Then choose T (true), F (false) or NI (no information).

1. F 2. T 3. NI 4. T

Appendix B

B. Write a short description about your new invention as in the example.

- Students' own answers.

**-----References-----**

(2018) İngilizce Dersi Öğretim Programı (İlkokul ve Ortaokul 2, 3, 4, 5, 6, 7 ve 8. sınıflar). Ankara: MEB.

----- Visual References-----

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