

Speaking

Set 1 Student 1

Preparation – 15 minutes

Presentation and questions – 10 minutes

“The Greatest Minds Change the World”

Task 1

1. Monologue: Time 2-3 minutes

Your School Science Club is joining the International Scientific Society competition for the best documentary about an outstanding scientist.

Imagine that you are at the meeting of your School Club. The Club members need to choose one scientist whose discoveries/inventions have changed the world for their documentary. Make a speech about **Tim Berners-Lee** to persuade your club members to choose his life story for the documentary. Speak about:

- 1. Life facts**
- 2. Discoveries and inventions**
- 3. Practical application of these discoveries and inventions in modern life**
- 4. Awards and recognition**

You can make notes during the preparation time, but **YOU ARE NOT ALLOWED TO READ** them during the presentation.

2. Questions/ Answers: Time: 2- 3 minutes

Answer 2 **QUESTIONS** from your partner, who wants to get **ADDITIONAL INFORMATION** about the scientist, not mentioned in your presentation.

Task 2

1. Listen to the presentation of your partner (**Set 2: Zinaida Yermolyeva**).

2. Questions/ Answers: Time: 2- 3 minutes

Ask 2 **QUESTIONS** about the scientist to get **ADDITIONAL INFORMATION** not mentioned in the presentation.

YOUR ANSWERS WILL BE RECORDED

Tim Berners-Lee

1.	Life Facts	<ul style="list-style-type: none">• Born: London (1955), one of 4 children;• Education: The Queen's College, Oxford;• Career:<ul style="list-style-type: none">➤ An English engineer and computer scientist;➤ A professor of computer science at Massachusetts Institute of Technology;➤ The director of the World Wide Web Consortium.
2.	Discoveries and Inventions	<ul style="list-style-type: none">• Invented the World Wide Web (1991);• Created the first Web Browser.
3.	Practical Application in Modern Life	<ul style="list-style-type: none">• World Wide Web - "The fastest growing communications medium of all time, the Internet has changed the shape of modern life forever. We can connect with each other instantly, all over the world".
4.	Awards and Recognition	<ul style="list-style-type: none">• Turing Award (2016);• Queen Elizabeth Prize for Engineering (2013);• Knight of the British Empire (KBE) - knighted by Queen Elizabeth II (2004);• Fellow of the Royal Society (FRS) (2001);• Included in <i>Time</i> magazine's list of 100 Most Important People of the 20th century.

Speaking

Set 2 Student 2

Preparation – 15 minutes

Presentation and questions – 10 minutes

“The Greatest Minds Change the World”

Task 1

1. Listen to the presentation of your partner (**Set 1: Tim Berners-Lee**).

2. Questions/ Answers: Time: 2- 3 minutes

Ask 2 QUESTIONS about the scientist to get **ADDITIONAL INFORMATION** not mentioned in the presentation.

Task 2

1. Monologue: Time 2-3 minutes

Your School Science Club is joining the International Scientific Society competition for the best documentary about an outstanding scientist.

Imagine that you are at the meeting of your School Club. The Club members need to choose one scientist whose discoveries/inventions have changed the world for their documentary. Make a speech about **Zinaida Yermolyeva** to persuade your club members to choose her life story for a documentary. Speak about:

- 1. Life facts**
- 2. Discoveries and inventions**
- 3. Practical application of these discoveries and inventions in modern life**
- 4. Awards and recognition**

You can make notes during the preparation time, but **YOU ARE NOT ALLOWED TO READ** them during the presentation.

2. Questions/ Answers: Time: 2- 3 minutes

Answer **2 QUESTIONS** from your partner, who wants to get **ADDITIONAL INFORMATION** about the scientist, not mentioned in your presentation.

YOUR ANSWERS WILL BE RECORDED

Zinaida Yermolyeva

1.	Life Facts	<ul style="list-style-type: none">• Born: a Kozak family, the Russian Empire (1898);• Education: Southern Federal University (Rostov-on-Don);• Career:<ul style="list-style-type: none">➤ Microbiologist, Epidemiologist, “the Mother of Soviet Antibiotics”;➤ Studied cholera during the epidemic in Rostov-on-Don;➤ Performed dangerous experiments on herself;➤ Conducted research in besieged Stalingrad;➤ Paid her own money for a military airplane that was fighting the Germans bearing her name.• Died: 1974
2.	Discoveries and Inventions	<ul style="list-style-type: none">• Independently synthesized penicillin ([,penɪ'sɪlɪn]) for the Soviet Army (World War II), hence named Russian “Lady Penicillin”;• Discovered new effective treatments for cholera and other infectious diseases;• Developed first samples of penicillin
3.	Practical Application in Modern Life	<ul style="list-style-type: none">• mass production of penicillin and other antibiotics• water chlorination
4.	Awards and Recognition	<ul style="list-style-type: none">• the State Prize of the USSR (1943);• 2 Orders of Lenin;• Served as chair of the USSR Ministry of Health Committee on Antibiotics.

Speaking

Set 3 Student 1

Preparation – 15 minutes

Presentation and questions – 10 minutes

“The Greatest Minds Change the World”

Task 1

1. Monologue: Time 2-3 minutes

Your School Science Club is joining the International Scientific Society competition for the best documentary about an outstanding scientist.

Imagine that you are at the meeting of your School Club. The Club members need to choose one scientist whose discoveries/inventions have changed the world for their documentary. Make a speech about **Vladimir Shukhov** to persuade your club members to choose his life story for the documentary. Speak about:

- 1. Life facts**
- 2. Discoveries and inventions**
- 3. Practical application of these discoveries and inventions in modern life**
- 4. Awards and recognition**

You can make notes during the preparation time, but **YOU ARE NOT ALLOWED TO READ** them during the presentation.

2. Questions/ Answers: Time: 2- 3 minutes

Answer 2 **QUESTIONS** from your partner, who wants to get **ADDITIONAL INFORMATION** about the scientist, not mentioned in your presentation.

Task 2

1. Listen to the presentation of your partner (**Set 4: Hedy Lamarr**).

2. Questions/ Answers: Time: 2- 3 minutes

Ask 2 **QUESTIONS** about the scientist to get **ADDITIONAL INFORMATION** not mentioned in the presentation.

YOUR ANSWERS WILL BE RECORDED

Vladimir Shukhov

1.	Life Facts	<ul style="list-style-type: none"> • Born: a noble family, the Russian Empire (1853); • Education: Imperial Moscow Technical Institute • Career: <ul style="list-style-type: none"> ➤ Civil engineer; ➤ Designer of steam generators; ➤ Designer of complete water-supply systems for the cities of Cherkassy, Tambov, Kharkov, Voronezh and many others; ➤ Designer of more than 180 bridges across the Volga, Yenisey, Dnieper, and other rivers. • Died: USSR (1939)
2.	Discoveries and Inventions	<ul style="list-style-type: none"> • Referred to as the “Russian Edison” for his pioneering works; • Inventor of modern metal constructions: <ul style="list-style-type: none"> ➤ Shukhov TV Tower in Moscow, ➤ Pushkin Fine Arts Museum (roof), ➤ Kiyevsky railway station in Moscow (roof); • Designer of the first Russian oil tanker.
3.	Practical Application in Modern Life	<ul style="list-style-type: none"> • Laid the foundation for the modern Russian oil industry; • Influenced modern European and American architecture (Russian constructivism).
4.	Awards and Recognition	Lenin Prize (1929)

Speaking

Set 4 Student 2

Preparation – 15 minutes

Presentation and questions – 10 minutes

“The Greatest Minds Change the World”

Task 1

1. Listen to the presentation of your partner (**Set 3: Vladimir Shukhov**).

2. Questions/ Answers: Time: 2- 3 minutes

Ask 2 QUESTIONS about the scientist to get **ADDITIONAL INFORMATION** not mentioned in the presentation.

Task 2

1. Monologue: Time 2-3 minutes

Your School Science Club is joining the International Scientific Society competition for the best documentary about an outstanding scientist.

Imagine that you are at the meeting of your School Club. The Club members need to choose one scientist whose discoveries/inventions have changed the world for their documentary. Make a speech about **Hedy Lamarr** to persuade your club members to choose her life story for a documentary. Speak about:

- 1. Life facts**
- 2. Discoveries and inventions**
- 3. Practical application of these discoveries and inventions in modern life**
- 4. Awards and recognition**

You can make notes during the preparation time, but **YOU ARE NOT ALLOWED TO READ** them during the presentation.

2. Questions/ Answers: Time: 2- 3 minutes

Answer 2 QUESTIONS from your partner, who wants to get **ADDITIONAL INFORMATION** about the scientist, not mentioned in your presentation.

YOUR ANSWERS WILL BE RECORDED

Hedy Lamarr ([ˈheɪdi])

1.	Life Facts	<ul style="list-style-type: none">• Born: Jewish family, Austria (1914);• Education: Self-taught, no formal training;• Career:<ul style="list-style-type: none">➤ American film actress and inventor;➤ Wartime fundraiser;• Died: USA (1953).
2.	Discoveries and Inventions	<ul style="list-style-type: none">• Developed a radio guidance system for Allied torpedoes (World War II);• Improved traffic lights;• Created a dissolvable tablet to produce a carbonated drink.
3.	Practical Application in Modern Life	<ul style="list-style-type: none">• Bluetooth technology• Wi-Fi
4.	Awards and Recognition	<ul style="list-style-type: none">• the Bulbie Gnass Spirit of Achievement Bronze Award ("Oscar of inventing") for creative achievements in the arts, sciences, business and invention fields;• posthumously inducted into the National Inventors Hall of Fame for frequency-hopping spread spectrum technology (2014);• a star on the Hollywood Walk of Fame for her contribution to the motion picture industry