



### Dear student,

The form below aims to support your teacher and schools to improve school teaching of science, technology and mathematics by bringing contemporary industrial practices and expertise into classrooms.

The questions in this form ask about the value of science, technology and mathematics in your life and in the life of society. We are also interested in your school experience of these subjects as well as in your thoughts about modern industry, manufacturing and jobs in this sector.

We appreciate your honest and open responses.

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## Science and mathematics survey in secondary school

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### Your background

1. Name of your school: \_\_\_\_\_
2. Your age: \_\_\_\_\_
3. Your class: \_\_\_\_\_
4. You are: Female  Male



## 5. Science, technology and mathematics in your life

The statements below express different views on your personal value of science, technology and mathematics. Please indicate your agreement or disagreement with each of them by ticking one box for each statement.

- 5.1 I am very interested in topics related to science and technology Strongly disagree  Disagree  Agree  Strongly agree
- 5.2 Lessons in science and technology are among my most favourite subjects at school Strongly disagree  Disagree  Agree  Strongly agree
- 5.3 I like mathematics more than most other subjects at school Strongly disagree  Disagree  Agree  Strongly agree
- 5.4 Doing well in mathematics, science and technology is important for my further education and career Strongly disagree  Disagree  Agree  Strongly agree
- 5.5 I like learning about jobs in industry, science and technology Strongly disagree  Disagree  Agree  Strongly agree

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- 5.6** I would like to get a job related to science or technology Strongly disagree  Disagree  Agree  Strongly agree
- 5.7** I learn a lot about science and technology matters outside my school lessons (by reading or watching a programme on the topic, attending science club, etc) Strongly disagree  Disagree  Agree  Strongly agree
- 5.8** I do not have the personal qualities and skills necessary for a career in industry, science or technology Strongly disagree  Disagree  Agree  Strongly agree
- 5.9** In my future career I will have no need for good knowledge of mathematics, science or technology Strongly disagree  Disagree  Agree  Strongly agree

### 6. Science, technology and mathematics at your school

The statements below are about your experience of science, technology and mathematics at school. Please indicate your agreement or disagreement with each of them by ticking one box for each statement.

- 6.1** It is easy for me to understand and learn school science Strongly disagree  Disagree  Agree  Strongly agree



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- 6.2** I find school lessons in science and technology interesting Strongly disagree  Disagree  Agree  Strongly agree
- 6.3** School science and technology will help me with everyday practical problems Strongly disagree  Disagree  Agree  Strongly agree
- 6.4** School mathematics is rather easy for me to learn Strongly disagree  Disagree  Agree  Strongly agree
- 6.5** I think school mathematics will have practical use in my daily life Strongly disagree  Disagree  Agree  Strongly agree
- 6.6** Learning science, technology and mathematics at school makes it easy for me to understand the work of scientists and researchers Strongly disagree  Disagree  Agree  Strongly agree
- 6.7** School science, technology and mathematics help me discuss topical scientific issues with fellow pupils Strongly disagree  Disagree  Agree  Strongly agree
- 6.8** At school I learn about different career choices available in industry, science and technology Strongly disagree  Disagree  Agree  Strongly agree



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**6.9** Mathematics, science and technology are difficult subjects to learn      Strongly disagree  Disagree  Agree  Strongly agree

**6.10** School mathematics is too theoretical and does not help to solve practical problems in my life      Strongly disagree  Disagree  Agree  Strongly agree

**6.11** In our science and technology lessons we never discuss how this knowledge is used in practice      Strongly disagree  Disagree  Agree  Strongly agree

### 7. The value of science, technology and mathematics in society

The statements below express different views on the value of science, technology and mathematics in society. Please indicate your agreement or disagreement with each of them by ticking one box for each statement.

**7.1** Today all people, regardless of their career choices, need to learn science, mathematics and technology      Strongly disagree  Disagree  Agree  Strongly agree

**7.2** In the near future, our society will need more engineers, technicians and scientists      Strongly disagree  Disagree  Agree  Strongly agree



- 7.3** Jobs in industry, science and technology can be very different and they need people with very different personal qualities and skills
- Strongly disagree  Disagree  Agree  Strongly agree

- 8.** From the list provided below, please select five words that you think are best suited to describe the present-day industry and manufacturing sector. If you wish, you may also add your own words.

- |   |  |
|---|--|
| <input type="checkbox"/> Important                | <input type="checkbox"/> Not important |
| <input type="checkbox"/> Environmentally friendly | <input type="checkbox"/> Polluting     |
| <input type="checkbox"/> High-tech                | <input type="checkbox"/> Low-tech      |
| <input type="checkbox"/> Innovative               | <input type="checkbox"/> Old fashioned |
| <input type="checkbox"/> Responsible              | <input type="checkbox"/> Irresponsible |
| <input type="checkbox"/> Safe                     | <input type="checkbox"/> Dangerous     |

Other (add your own words): \_\_\_\_\_

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8. From the list provided below, please select five words that you think are best suited to describe JOBS in present-day industry and technology. If you wish, you may also add your own words.

- |                                     |  |
|-------------------------------------|--|
| <input type="checkbox"/> Attractive | <input type="checkbox"/> Unattractive      |
| <input type="checkbox"/> Innovative | <input type="checkbox"/> Traditional       |
| <input type="checkbox"/> Rewarding  | <input type="checkbox"/> Disappointing     |
| <input type="checkbox"/> Well paid  | <input type="checkbox"/> Low paid          |
| <input type="checkbox"/> Clean      | <input type="checkbox"/> Dirty             |
| <input type="checkbox"/> Exciting   | <input type="checkbox"/> Boring            |
| <input type="checkbox"/> High-tech  | <input type="checkbox"/> Low-tech          |
| <input type="checkbox"/> Safe       | <input type="checkbox"/> Dangerous         |
| <input type="checkbox"/> Popular    | <input type="checkbox"/> Un-popular        |
| <input type="checkbox"/> Secure     | <input type="checkbox"/> Insecure          |
| <input type="checkbox"/> For men    | <input type="checkbox"/> For women         |
|                                     | <input type="checkbox"/> For men and women |

Other (add your own words): \_\_\_\_\_

**Thank you!**