

LESSON PLAN

October 2018

The Fourth Industrial Revolution



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THE FOURTH INDUSTRIAL REVOLUTION

C2 ADVANCE

Stages	Procedure	Time
Objectives	<ol style="list-style-type: none"> 1. To practice <ol style="list-style-type: none"> a. predicting content of the text b. skimming and scanning for details c. identifying meaning of words in context 	
Warmer	<ol style="list-style-type: none"> 1. Teacher asks the class the following question: What do you think is the most important invention ever made and why? 2. Teacher elicits responses. 	3 mins
Pre-reading	<ol style="list-style-type: none"> 1. Teacher then gets students to turn to page 32. 2. Teacher puts students into small groups and asks students to look at the 'Industrial Revolution Timeline'. 3. Each group takes 2 minutes to guess or name inventions of each industrial revolution. 4. Teacher elicits examples from each group. 5. Teacher asks students what they think the whole article is going to be about. Elicit responses. 	8 mins
While-Reading	<ol style="list-style-type: none"> 1. Next, teacher distributes task 1 and gets each group to complete the comprehension questions. 2. Teacher elicits and confirms answers. 3. Teacher gets students to continue task 2 in their groups. 4. Students need to discuss in their groups to replace each underlined word with a suitable synonym. Tell students to refer to the article to guess meaning of any new words. 5. Elicit answers from each group and confirm answers. 	15 mins
Post-reading	<ol style="list-style-type: none"> 1. Next, teacher shows the class a scene taken from the movie <i>Wall-E</i> via Youtube: https://www.youtube.com/watch?v=h1BQPv-iCkU 2. Teacher then writes on the board: Technology – Utopia or Dystopia? 3. Explains the meaning of 'utopia' and 'dystopia' to the class. (Utopia = an imagined state in which things are with nearly perfect qualities) (Dystopia = an imagined state in which things become environmentally degraded) 4. Teacher gets each group to discuss their opinions on the questions written on the board. 5. Teacher gets a representative from each group to share their opinions. 	12 mins
Wrap	<ol style="list-style-type: none"> 1. Teacher then summarises and wraps up lesson. 	2 mins

TASK 1

Read and answer the questions below with reference to the article.

1. Which invention helped change the way society lived radically?
2. What was the main industry during the first Industrial Revolution?
3. How did the first Industrial Revolution help revolutionise the society?
4. What are the inventions that were created during the second Industrial Revolution?
5. Who were the initiators of the third Industrial Revolution and what were their inventions?
6. What kind of changes has the third Industrial Revolution made for the society?
7. What ability has the fourth Industrial Revolution added to machines?
8. What other inventions are found in the fourth Industry Revolution?

TASK 2

Replace each underlined word below with a suitable synonym.

1. The new discovery will <u>revolutionise</u> the whole of the medical field. However, doctors may need to get used to this new technology to treat patients.	
2. Our company is trying to <u>upscale</u> the car features so that the new car model will be better in all aspects.	
3. It will definitely be a <u>breakthrough</u> in the medical field if someone can find the cure to cancer.	
4. My little brother is born in the <u>era</u> of digitalisation. He is a millennium baby.	
5. There is no perfect individual in this world and character building is an <u>ongoing</u> process in every person's life.	
6. With the increase of customers, I think it's time to <u>automate</u> these tools. We need machines that can produce mass amounts of products.	
7. Although we have modified the machine a few times, it is still <u>error-prone</u> . I think it's difficult to create a machine which is perfect.	
8. We will not disclose any information that you gave us. Your information will remain <u>secure</u> with us.	
9. A magician can't survive with only one trick. He needs to have many <u>alternative</u> tricks and tactics to keep his audience entertained.	
10. I'm looking for a strong and <u>sustainable</u> car that can last for decades.	

ANSWERS

Task 1

1. The wheel helped change the way society lived radically.
2. Textile was the main industry during the first Industrial Revolution.
3. People were able to build factories with machinery that could upscale the production of everyday necessities.
4. The few inventions are telephone, light bulb, phonograph and combustion engine.
5. Companies like IBM and Apple were the initiators of the third Industrial Revolution and they invented the personal computers.
6. The third Industrial Revolution has made analog devices to run on digital operation systems and it has also made changes around information and communication technology.
7. The fourth Industrial Revolution has added the ability of machines to perform tasks that required the thinking and analytical skills of human.
8. Inventions found in the fourth Industry Revolution include the 3D printers, nanotechnology, quantum computing and biotechnology.

Task 2

Students' answers may vary. Here are some sample answers.

1. change / transform
2. improve / develop
3. discovery / success / revolution
4. time / period / age
5. constant / continuous / continuing
6. robotise / modernise / innovate
7. imperfect / fallible
8. safe
9. other / extra
10. lasting / durable