工作紙
中二/中三 
Industrial Revolution
Industrial Revolution

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Industrial Revolution

(Introduction)

Design of Worksheets:

This project consists of 5 different kinds of history worksheets which are designed for F.2 & F.3 students in Hong Kong. The topic of this project is Industrial Revolution which is one of the current topics being taught in secondary schools.

Instead of presenting a general introduction of the Industrial Revolution, this project attempts to study a specific area of this historical event. The theme question is: What made the Industrial Revolution possible in England in 18th century?

In order to make the worksheets look more interesting, there are altogether 5 different worksheets in 2 different formats – both printed and IT format (i.e. in webpage format). Each worksheet adopts different form of questioning approaches, such as: puzzle, true or false, matching, IT, and essay-typed question as well.

It is hoped that with the aid of certain worksheets, both teachers and students will find these materials to a certain degree useful in both learning and teaching.

Worksheet 1 (Puzzle)

This worksheet is about some major or important inventors during the Industrial Revolution. It is hoped that students can find the answers in their history textbook.

Worksheet 2 (True or False)

This worksheet is about 4 major industries in England in 18th century – coal, iron, wool, and cotton. It is hoped that students can identify which statement is true and which is false. The analytical skill of students will be tested.

Worksheet 3 (Matching)

This worksheet attempts to test how much students understand the Industrial Revolution.
**Worksheet 4 (IT)**

This worksheet is prepared in Power Point format. With the aid of IT materials, students will be given some pictures and asked to give their answer. They can then find out the correct answer by clicking an ‘arrow’ button. This is a self-learning tool.

**Worksheet 5 (Essay-typed question)**

This is the most meaningful worksheet. Students will be given 8 conditions in random order. They will then be asked to use those conditions and their own words to explain why the Industrial Revolution took place in England in 18th century. The purpose is to test the organizational, analytical, and presentation abilities of students.

**Reference**

This project takes certain references from some books and multi-media tools such as CD-Rom. Please refer to the last part of this project for details.
**Industrial Revolution**

**(Basic Information)**

The changes which took place in the 18\textsuperscript{th} and 19\textsuperscript{th} centuries in industry and people’s lives are often called ‘The Industrial Revolution’ by historians. It was a time when:

1. Small-scale production in the home moved to large-scale production in the factory.
2. More people began living in towns and cities.
3. Wider use of machines speeded up production and thus improved people’s standard of living

**Why these changes took place?**

There are certain reasons why these changes took place:

1. The increasing population and the growth of the British Empire resulted in an increased demand for goods, and a bigger incentive to produce more goods.
2. The increasing population provided enough manpower for the factories.
3. Britain has plentiful supplies of raw materials such as coal and iron for production.
4. The banking system in the 18\textsuperscript{th} century-Britain made the provision of bank loans easier. More money for investment was made in British colonies.
5. Machines and new technology were developed to meet the needs of a growing market.
6. Transport system such as canals, roads and railways was developed to facilitate the transportation of raw materials and finished goods.
Who were they?

**DOWN**

1. Scottish inventor of the steam engine in 1769.
2. English doctor who discovered vaccination against smallpox in 1796.
3. An English novelist who was the author of *Oliver Twist* and *David Copperfield*, in which he attacked the evils of child labour during the Industrial Revolution.
4. English engineer who perfected the locomotive, designer of the “Rocket” in 1829.
5. English inventor of the spinning mule in 1779.

**ACROSS**

2. American inventor of the light bulb.
3. English weaver and inventor of the spinning jenny in 1764.
4. An American inventor who invented the telegraph in 1837.
Who were they? (Answer)
Industrial Revolution

Worksheet (True or False)

Main Industries 1700-1800

<table>
<thead>
<tr>
<th>Industries</th>
<th>1700-1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
</tr>
<tr>
<td>Wool</td>
<td></td>
</tr>
<tr>
<td>Cotton</td>
<td></td>
</tr>
</tbody>
</table>

Information

British industry changed very little during the 17th and 18th centuries.

The domestic system was the main method of production.

Industries were run on a small scale basis to serve the local market. Power was provided by men or animals.

New technologies were introduced gradually.

- Read the following statements carefully and give your answer:

Statement 1:
Coal mining was not a dangerous occupation. Firedamp and collapsing mines were minor causes of deaths and injury. Mines were big and were run by families. Hardly any machines were used to dig the coal out.

True or False? Answer: 

Statement 2:
Iron is made from iron ore which is found in many areas throughout Britain. Iron was used to make such things as weapons, bolts, chains, tools, buckles, etc.

True or False? Answer: 

Statement 3:
Wool production was the major industry in Britain in the 18th century. English wool was in great demand in Britain and in Europe. At this time most people wore woolen clothes.

True or False? Answer: 

Industrial Revolution

Worksheet (True or False)

Statement 4:
In 1850, the production of cotton was a new industry to Britain. Unlike coal, wool and iron, the raw materials were imported from China, the West Indies and the USA and then processed in this country. The supply of cotton held up the development of the industry until the 1780s when imports increased by not more than 250 percent.

True or False? Answer: ____________

(END)
Industrial Revolution

Worksheet (True or False – Answer)

Statement 1:
Answer: False

Coal mining was a dangerous occupation. Firedamp and collapsing mines were major causes of deaths and injury. Mines were small and were run by families. Hardly any machines were used to dig the coal out.

Statement 2:
Answer: True

Iron is made from iron ore which is found in many areas throughout Britain. Iron was used to make such things as weapons, bolts, chains, tools, buckles, etc.

Statement 3:
Answer: True

Wool production was the major industry in Britain in the 18th century. English wool was in great demand in Britain and in Europe. At this time most people wore woolen clothes.

Statement 4:
Answer: False

In 1750, the production of cotton was a new industry to Britain. Unlike coal, wool and iron, the raw materials were imported from India, the West Indies and the USA and then processed in this country. The supply of cotton held up the development of the industry until the 1780s when imports increased by over 250 percent.
Industrial Revolution

Worksheet (Matching)

Match the items in Column A with the phrases in Column B:

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Spinning Jenny</td>
<td>a. it was about a dreary industrial town called Cokeville</td>
</tr>
<tr>
<td>2. The novel <em>Hard Times</em></td>
<td>b. man-made waterway</td>
</tr>
<tr>
<td>3. George Stephen</td>
<td>c. increase the amount of yarn that could be spun by one person</td>
</tr>
<tr>
<td>4. Canal</td>
<td>d. The Father of Capitalism</td>
</tr>
<tr>
<td>5. Adam Smith</td>
<td>e. Father of railways</td>
</tr>
</tbody>
</table>

Answers:

1. __________

2. __________

3. __________

4. __________

5. __________
## Industrial Revolution

### Worksheet (Matching)

(Answer)

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Answers:

1. _____c _____
2. _____a _____
3. _____e _____
4. _____b _____
5. _____d _____
Industrial Revolution

Worksheet (Essay-typed question)

Why the Industrial Revolution started in England?

Hints: Here are some conditions in 18\textsuperscript{th} century England that made the Industrial Revolution possible in England. Use these conditions and your own words to explain why the Industrial Revolution started there.

<p>| | |</p>
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<td>2.</td>
<td>Money available for investment</td>
</tr>
<tr>
<td>3.</td>
<td>Plenty supply of natural resources</td>
</tr>
<tr>
<td>4.</td>
<td>Increase in population</td>
</tr>
<tr>
<td>5.</td>
<td>Fewer farmers can produce more food</td>
</tr>
<tr>
<td>6.</td>
<td>Escaped destruction during war</td>
</tr>
<tr>
<td>7.</td>
<td>Labour force available</td>
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<td>8.</td>
<td>Overseas demands for goods</td>
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Why the Industrial Revolution started in England?
Industrial Revolution

Worksheet (Essay-typed question)

(Answer)

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Why the Industrial Revolution started in England?

There is no standard answer. The purpose of this worksheet is to train the organizational, analytical, and presentation abilities of students.
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(Reference List)

CD-Rom


Books


