### Overall Objective
Evaluating the history of technological development in the Far East

### Specific Objectives
- Analyze the fundamental historical and cultural elements of Chinese and Japanese societies.
- Identify the different processes that led to China's progress in different fields of technology before the arrival of Westerners (Jesuits, sixteenth century).
- Recognize the historical and cultural context of the development of inventions and technological advances at Imperial China and modern Japan.
Describe the arrival of Japan in the modern world during the Meiji era (1868-1912)

Identify the main contributions of modern China and Japan technology.

<table>
<thead>
<tr>
<th>Study load</th>
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<tbody>
<tr>
<td><strong>Total learning time:</strong> 75h</td>
<td>Hours large group:</td>
<td>0h</td>
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<tr>
<td></td>
<td>Hours medium group:</td>
<td>30h</td>
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<td></td>
<td>Hours small group:</td>
<td>0h</td>
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<td></td>
<td>Guided activities:</td>
<td>0h</td>
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<tr>
<td></td>
<td>Self study:</td>
<td>45h</td>
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</tbody>
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## Content

1. **Chinese civilization. Introductory study to China: territory, history and culture.**
   - **Learning time:** 20h
     - Theory classes: 8h
     - Self study: 12h

   **Description:**
   Brief introduction to traditional Chinese civilization. Geography, population area, climatic conditions, administrative divisions, ethnic majority. Distinctive cultural traits, language, writing, artistic expressions, medicine. History, characteristics of different dynastic periods and forms of organization of the Empire. Philosophical thought (Confucianism, Taoism, Buddhism ...).

2. **Traditional Chinese technological progress and the emergence in the modern technological world.**
   - **Learning time:** 25h
     - Theory classes: 10h
     - Self study: 15h

   **Description:**
   Main fields of traditional scientific and technical innovations before the arrival of the Jesuits in China in the sixteenth century. Printing (paper, wood engraving, typography) or proto-chemistry explosive chemistry (Chinese alchemy, gunpowder ...). Magnetic Physics (the Sinan, the compass needle ...). The use of animal power (stirrup, equine tack ...). Iron and steel technology; nautical inventions, astronomical instruments. Mechanical watches, the use of and hydraulic force; domestic technology. Technological achievements of Modern China.

3. **Japanese world. Introductory study to Japan: territory, history and culture.**
   - **Learning time:** 10h
     - Theory classes: 4h
     - Self study: 6h

   **Description:**
   The islands of Japan, demography, land and topography, climate, language, writing, cultural traditions. The different historical periods: unification and Nara, Heian, Kamakura, Ashikaga, Azuchi - Momoyama and Edo periods. Religious and philosophical beliefs (Shinto, Buddhism).

4. **The entry of Japan into the world of technology and industrialization.**
   - **Learning time:** 20h
     - Theory classes: 8h
     - Self study: 12h

   **Description:**
Planning of activities

(ENG) EXPOSICIÓ ORAL I PRESENTACIÓ DEL CORRESPONENT TREBALL ESCRIT EFECTUAT EN GRUP.

(ENG) AVALUACIÓ CONTINUADA

Qualification system

The final mark will be the result of 3 tests or evaluations. Their respective weightings are:
- Issues 1 and 2 (40%)
- Issues 3 and 4 (30%)
- Oral presentation and written work group (30%)

Regulations for carrying out activities

Compulsory oral presentation in class.

Bibliography

Basic:

Complementary: