

**Prof. Antonia Lepanto**

***Inventions of the Second industrial Revolution***

***Lesson plan***

**Time: Approx. 120 minutes**

**Language aims:**

**-Vocabulary:**

To present lexical sets of names of famous things invented during the Second Industrial Revolution

**Main structures:**

Past Tenses

**Other language work:**

Grammar/word study activity; integrated skills activity to practice all four skills-reading, writing, listening, speaking.

Fluency work/discussion Gapped text

**Content aims, skills, materials:**

To introduce class to some important information and stages in the important period of the Second Industrial Revolution.

Thinking skills: remembering, defining, comparing, hypothesizing

Materials: Realia, Handouts (photocopies, gapped text etc.)

**Procedure:**

**Stage 1** Warm up and activating prior knowledge

The teacher shows the class some realia connected to electricity such as: a lamp, a charger, a smartphone, batteries, etc. and ask students to find a link among them all. The teacher asks different questions to students from the simpler to the more difficult ones. During the discussion he/she introduces the revisited and new vocabulary.

## Stage 2 Gapped text (in pairs)

Between 1850 and \_\_\_\_\_ in Europe there was a new wave of industrialization: the Second Industrial Revolution. New \_\_\_\_\_ sources like petroleum and \_\_\_\_\_ were applied to production, causing a structural \_\_\_\_\_ within the economy, transport and in the whole of society.

As a result modern fundamental products such as plastic, fuel, \_\_\_\_\_ and chemicals that we now use every day, were used for the \_\_\_\_\_ time in that period .

The main protagonists of the Second Industrial Revolution were the \_\_\_\_\_ states (not unified into the German Empire until 1871) and the U.S.A.

One of the \_\_\_\_\_ important innovations of the Second Industrial wave was railway construction.

The Orient Express is the name of a long distance \_\_\_\_\_ train service created in 1883. The route of the Orient Express changed many times, but the two city names most prominently associated with the Orient Express were \_\_\_\_\_ and Constantinople (Istanbul). The famous English \_\_\_\_\_ Agatha Christie wrote a novel inspired by this train (Murder on the Orient Express) and then the name has become synonymous with intrigue and luxury travel when travelling was still rough and dangerous.

Other revolutionary aspects of the Second Industrial Revolution were, without a doubt, the invention of electricity and of the telephone.

Can \_\_\_\_\_ imagine your life without electricity? It would certainly be a darker, colder and duller life: no light, no television, no computer, no fridge, no electric guitar, no doorbell. In fact many of the objects we use in our \_\_\_\_\_ lives need electricity to work.

A life without telephone? An American called Edison invented the first lamp in 1879, while in the same period an Italian, Meucci, and an English man, \_\_\_\_\_, created the first telephone.

Fill in the gaps with the following words: daily, electricity, first, writer, passenger, Paris, most, you, German, energy, colorants, change, Bell, 1870.

**Stage 3** Trivia game- True or false?

What do you know about famous inventions ?

Divide the classroom in 3 or 4 teams and read slowly and clearly to the students the following instructions:

Decide whether the following facts are true or false.

You must bet between 10-100 points for each one. You start with 1.000 points. If you guess correctly, you gain the amount of the bet. If you guess wrongly, you lose the amount of the bet. So be careful!

	True	False	New total
1.The Second Industrial Revolution spread in the second part of the 18 <sup>th</sup> century			
2.The main protagonists of the Second Industrial Revolution were U.S.A. and Germany			
3.The new main energy sources were petroleum and iron			
4.The Orient Express was a long distance passenger train service			
5.Jane Austen wrote a novel called "Murder on the Orient Express"			
6.The first telephone was invented by a Chinese man called Qing-Bell			
7.The first lamp was invented in 1879 by Edison			

**Stage 4** Assessment activity

Answer the following questions:

1. During the first Industrial Revolution, what were the main energy sources?
2. What were the new main sources of power in the Second Industrial Revolution?  
a) Coal and iron b) petroleum and water c) petroleum and electricity
3. When did the second Industrial Revolution spread?  
A) In the first part of the 19<sup>th</sup> century b) In the second part of the 19<sup>th</sup> century  
c) In the second part of the 18<sup>th</sup> century
4. Name two cities connected by the train called Orient Express  
A) Paris and Istanbul b) Paris and Rome c) London and Madrid
5. Which of the following products is not created by petroleum?  
a) Plastic b) colorants c) steel
6. Who invented the first lamp? a) Osram b) Edison c) Bell
7. And the first phone?