

KID_Preneurship 2020-1-LV01-KA201-077505



ACTIVITY NAME	Investigating inventions
OUTPUT NUMBER	I02
PARTNER	Fondazione Patrizio Paoletti
ACTIVITY & CLASS	<p>Class: 8-10</p> <p>A number of inventions that have changed the history of humanity are briefly presented in the classroom. In group, children will be able to choose their favorite invention and engage in different investigative steps in order to satisfy any curiosity they may have about it: these may include questions about the person who conceived the idea, questions around the historical period that it is relevant to; the functioning of the invention and all the uses that have been made of it. It will be essential to stimulate creative questions such as: what has this invention allowed? What would the world be like without this invention? What situations would we be living in? And what ideas does this research bring to you? What progress can humanity still make?</p>
DURATION	<p>15' presentation</p> <p>Research (2h in class or homework)</p> <p>45' group presentation of research to the class</p> <p>15' classroom commentary</p>
OBJECTIVES	<ul style="list-style-type: none"> - Stimulating curiosity and wonder in children - Becoming aware of the context that generates an idea - Becoming aware of how an idea can be a contribution to society
MATERIALS	If the research work is carried out in class, it is essential to provide individual groups with the opportunity to surf the Internet and (if paper-based research is desired) to print out images and materials.

LEARNING ACTIVITY METHOD	<ol style="list-style-type: none"> 1) divide the class into 4/5 groups 2) The teacher briefly presents to the class 10 inventions that have changed history (examples: the wheel, the bicycle, printed paper, waterworks, electricity, the telephone, television, the internet, medicines that have solved pandemics, one could also choose only those that could help us save the planet: e.g. the sieve to filter sea water, sponges that absorb oil, ecological cars etc.) 3) each group chooses the invention they are most passionate about, but there must be no repetition in the choice. 4) Each group will have to write a research paper answering the following questions: How does the invention work? Which person or group conceived the idea? In which historical period was the invention conceived? What needs did/does the historical period have? What uses have been or can be made of the invention? Has it improved the world? Did it make it more difficult? What would the world be like without this invention? In which situations would we live? And what ideas does this research bring us? What progress can mankind still make? What would you like to see invented in this area? 5) Each group will present their work to the class. At this point, the teacher should point out how many new things have been discovered as a result of the pupils' investigation.
VISUALS Images/videoclip	Pupils can use images to enrich their research work at home.
TEACHER PREPARATION	<p>The teacher will select 10 inventions that can involve the class. When dividing the class into groups, care will be taken that everyone can contribute.</p> <p>The teacher will have to consider whether the task can be carried out at school (if there are means and time) or whether it can be assigned at home (if the pupils can work together).</p>
TEACHER'S EVALUATION	<ul style="list-style-type: none"> - How thorough is the research work? - Is it accompanied by in-depth study? - how much awareness of the value of creativity for humanity has been stimulated?