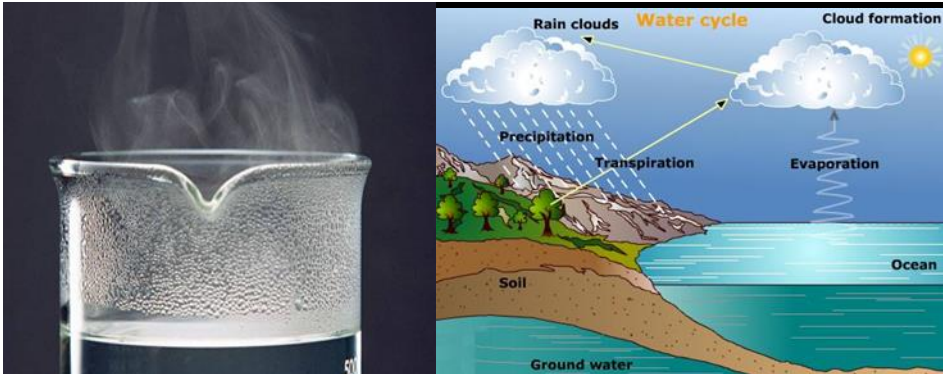


S.T.E.A.M. Children Engineer Academy-Greek lesson plans

LESSON PLAN: 1st year – 4th Lesson/Jan'18

<p>TITLE</p>	<p>Learning the <u>phenomenon of Evaporation</u></p> 
<p>THEME</p>	<p>Science/Technology/Engineering</p>
<p>GRADES</p>	<p>6th Grades</p>
<p>DURATION</p>	<p>90'(2X45 minutes approximately/per month)</p>
<p>REALIA-MATERIAS</p>	<ul style="list-style-type: none"> • Electric kettle/beaker or pot • Interactive board • Experiment in the classroom, showing water evaporation • Video showing evaporation through boiling: https://www.youtube.com/watch?v=-sk3fhCryiY • Video showing the Water Cycle: https://www.youtube.com/watch?v=0F5ZQgIK8OU • Video showing natural evaporation: https://www.youtube.com/watch?v=lupumRbJc-M • Note pads
<p>OBJECTIVES</p>	<p>Through the lesson, pupils will be able:</p> <ol style="list-style-type: none"> 1. To notice the evaporation procedure while watching the experiment of water in an electric kettle and a small beaker or pot. 2. To learn that there are two kinds of evaporation. The one

	<p>that comes through boiling and the natural one that takes place above seas, lakes, rivers etc.</p> <ol style="list-style-type: none"> 3. To compare these two kinds of evaporation. 4. To learn the Natural Evaporation Laws (When there is Evaporation acceleration) 5. To learn about the volatile liquids e.g. white spirit/acetone 6. To revise their knowledge on the Water Cycle.
DESCRIPTION	<p>Pupils will be shown the Evaporation procedure while watching the experiment of water boiling in a beaker or a pot.</p> <p>Then, they will watch a video on the Evaporation through boiling. Afterwards they will watch a second video on the natural evaporation, that takes place all over the planet, above liquid surfaces. They will talk and compare about the differences between these two kinds of evaporation and they will also discuss on the topic of the Laws of Evaporation.</p> <p>Furthermore they will be shown a video on the water Cycle, referring to the natural phenomena, included in it.</p>
EVALUATION	<p>At the end of this two-hour presentation, pupils should be able to comprehend the Evaporation procedure. They should also know that there are two kinds of evaporation. Furthermore they should be able to describe the different stages of the Water Cycle. Finally, they will be assigned to write down and set examples, showing the Laws of Evaporation. Apart from that, they will be asked to write in a diagram the different stages of the Water Cycle.</p>