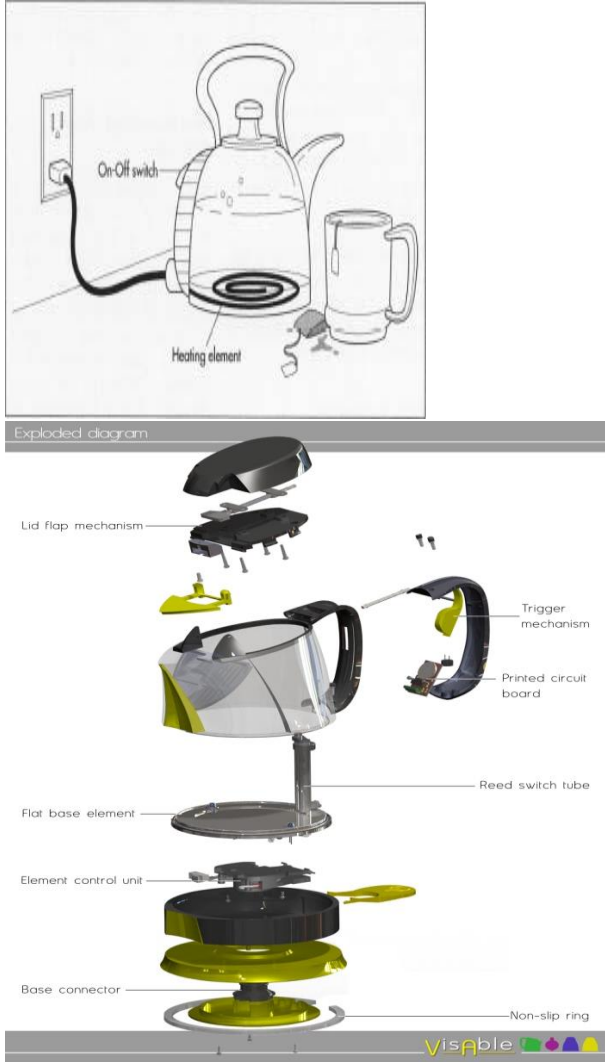


S.T.E.A.M. Children Engineer Academy-Greek lesson plans

LESSON PLAN: 2nd year – 19th Lesson/June’19

<p>TITLE</p>	<p>Construction of a simple kettle</p>  <p>The diagram shows an exploded view of an electric kettle. The components are labeled as follows: Lid flap mechanism, Trigger mechanism, Printed circuit board, Reed switch tube, Flat base element, Element control unit, Base connector, and Non-slip ring. A watermark 'visible' is present at the bottom of the diagram.</p>
<p>THEME</p>	<p>Science/Technology/Engineering</p>
<p>GRADES</p>	<p>5th and 6th Grades</p>
<p>DURATION</p>	<p>90' (A two 45minute-lesson)</p>
<p>REALIA-</p>	<ul style="list-style-type: none"> • Electric kettle

MATERIALS	<ul style="list-style-type: none"> • Interactive board • Note pads • How to make an electric kettle experiment <p>https://www.youtube.com/watch?v=u0QhtT7zNHY</p>
OBJECTIVES	<p>Through the lesson, pupils will be able:</p> <ol style="list-style-type: none"> 1. To construct a kettle using simple materials 2. To realize that the kettle is both one of the most usual electrical appliances at home and very easy to construct.
DESCRIPTION	<p>Pupils will be shown the above video concerning the construction of a kettle. Afterwards they are going to make a kettle using the following materials:</p> <ol style="list-style-type: none"> 1. A 9volt battery 2. A glass. 3. 2 alligator wires. 4. Blue tack 5. Nicki wire. 6. A pencil to construct the spiral. 7. Water
EVALUATION	<p>At the end of these two-lessons, pupils should be able to fully comprehend the function of the kettle and make one of their own.</p>