

Lesson Plan

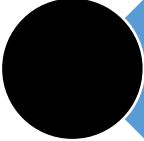
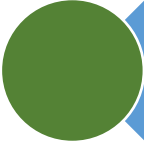
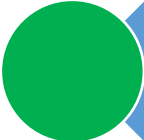
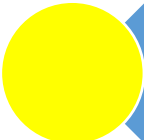
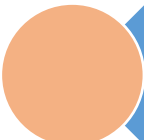
NEUROHEADWAY

Neuroscience Into Education

Lesson objective	Main activity
<p>What is CURIOSITY and how it's reflected in everyday life?</p>	<p>Use PPT to explain curiosity and some theories that explain its origin.</p> <p>Explain positive effects of curiosity.</p> <p>Provoke the pupils to think if they are curious and how this is reflected in their everyday life.</p>
<p>What is knowledge and how it effects our functioning?</p>	<p>Go over the power-point slides and explain what knowledge is.</p> <p>Show an example of the chunking mechanism and explain what this is.</p> <p>Encourage children to think and discuss the potential positive and negative effects of knowledge.</p>
<p>What is problem solving and how is it done?</p>	<p>Explain what problem solving is, what is efficient problem solving and what not. Explain problem solvers' typical steps and what questions do people in each stage usually ask themselves.</p> <p>Show an example of a convergent problem and ask pupils to try to solve it.</p>
<p>What is creativity and its benefits</p>	<p>The emphasis of this section is on the examples of creative problems that pupils have to solve. The goal is to show the pupils the number of different possibilities that exist in a particular problem situation.</p> <p>Teacher explains the typical phases in the creative process.</p> <p>Teacher explains how to think to be creative.</p>

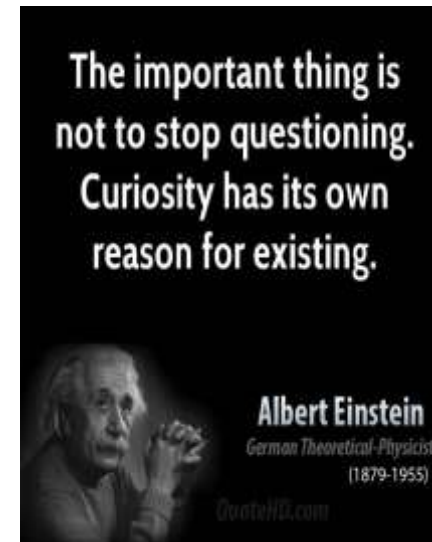
Power point Example

Legend of how to follow the ppt presentation

-  Presentation to be presented by the teachers
-  Examples from everyday life which the teacher should present
-  Questions the teacher should ask the pupils
-  Experiment which should be performed by the teacher
-  Teacher shows a movie clip

CURIOSITY

- Critical *motive* that *influences human behavior* in both positive and negative ways at all stages of the life cycle (G. Loewenstein, 1994)
- A strong desire to know or learn something
- This motivation to explore our world beyond what we need to survive has taken us to the moon, expanded our mastery of internal medicine and many others.



- Makes your mind active instead of passive
- Makes you open minded, searching for new ideas
- Releases dopamine (neurotransmitter that produces a feeling of reward).
- Increases your cognitive abilities and development: better at remembering and learning --->more knowledge--> better decision-making --> reduction of uncertainty



Become curious – ask questions like

Could you help me understand, what are your thoughts about.....?

- How would you respond to?
- How do you feel about.....?
- What would you see as the ideal solution of...?
- How would you suggest I respond to those who believe....?
- Please tell me more about.....
 - **Don't take things for granted**
 - **Ask questions relentlessly**
 - **Be amused by small things**
 - **Are you curious? Why do you think so?**

