

Storyline: "Mission Planet, Plant, Plan - Mission PPP"

Storyline	Key Questions	Pupils Work /activities	Class Organization	Resource	Outcome
<p>1. <u>The Setting</u></p> <p><i>"In the year 2050 A.D. at the planet Waterme(l)lon (mellon means future in greek language and it has the shape of a watermelon). "</i></p> <p>Imaginary story (Colony on another planet) Construction of a sprout house as a greenhouse. Solution of problem.</p>	<ul style="list-style-type: none"> • What would the planet look like? • What buildings would that planet have? • What type of houses would you find there? • What are the main sources of energy in that planet? • What is agricultural engineering? How does it help? • How do plants help and contribute to the development of life? • Think of the role of water. • Think of the role of the greenhouses. 	<p>Brainstorming</p> <p>Discussing</p> <p>Brainstroming</p>	<p>the whole class</p> <p>The whole class</p> <p>The whole class</p>	<p>Worksheets,</p> <p>Videos (PC) associated to other planets of solar system.</p> <p>Books, internet.</p>	<p>Construction a sprout house on the new planet.</p> <p>Plants absorb and transfer water (how).</p> <p>Different materials absorb water in different ways.</p> <p>The reason why plants help and they are necessary for life.</p> <p>Watering of plants that the children themselves planted in the playground to greenhouse.</p>

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<p>2. <u>The Heroes of the story</u></p> <p><i>On that fantastic planet away from the earth, some families travel to live there.</i></p> <p>Professor Engi (an engineer) Sprout (the professor's son) Aqua (a friend of Sprout) Green team (friends of Aqua and Sprout) Fruits, Vegetables and Flowers</p>	<ul style="list-style-type: none"> • Who did you find there? • Why did they travel there? • How did they look like? • What did the heroes start to make on that planet? • What was their aim? 	<p>The pupils are divided in groups.</p> <p>Every one has its role in this project.</p> <p>Acting</p> <p>Role playing</p>	<p>Team work – Cooperation.</p> <p>Work in groups</p>	<p>Worksheets, board games, video projection.</p> <p>Colours</p> <p>Dramatization of a story and solution of challenge during the story.</p>	<p>Children's ideas, discussion, Paintings Games in the yard</p> <p>Development in the relationship and friendship among the pupils.</p>

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<p>3. <u>Out of Energy.. and water..</u> <u>Find a solution !!!</u></p> <p><i>The families that travelled there, started to build plants and make greenhouses where they grew fruits and vegetables to produce the necessary food. But suddenly there is a problem ... fuels and energy taken by the water they drew from the soil, are over... so they have to find a way to pump water without machines..</i></p>	<ul style="list-style-type: none"> • What is agricultural engineering? How does it help? • How do plants help and contribute to the development of life? • Plants absorb and transfer water (how?) • Think of the role of water. • Think of the role of the greenhouses. • Which are the sources of energy on earth? 	<p><i>Construction of sprout houses from sponges and plant seeds.</i></p> <p><i>Visiting garden with greenhouses.</i></p>	<p>Team work – Cooperation.</p> <p>Work in groups</p> <p>Brainstorming</p>	<p>Experiments, construction of greenhouses,</p> <p>Observation of plants and trees (roots) and growing the seeds.</p> <p>Sponges, seeds, flowers.</p>	<p>Maths</p> <p>(symmetry, height and length measurement).</p> <p>“Maths in the garden”.</p> <p>Experiments. Discovering : How plants develop. How water is transferred to the plants. Why they are necessary for our life. Ways of saving water. (watering without mechanism or human power). Understanding the greenhouse operation.</p>

