

Plant growth

Level: upper-intermediate (B2+)

Time: 45 minutes

Aims:

- To learn or revise vocabulary connected with plants and flower cycle.
- To learn about parts of plants
- To learn about different minerals in soil
- To learn about minerals deficiency
- To develop reading and comprehension skills
- To develop speaking skills

Language functions:

- To describe the flower cycle
- To describe pollination
- To compare various pollination cycles
- To talk about plants and leaves
- To analyze the processes
- To contrast and compare
- To transfer information.

CLIL: Biology/ Chemistry/ IT

Materials: Worksheets and presentation- slides

STAGE	AIMS	PROCEDURE	TIME	MATERIALS
Warm – up activity	The aim of this task is to get students interested in the topic and to get them to talk about plants and flowers.	1. Brainstorming Show your students pictures of plants (various species with leaves). Ask students to choose the one they know and can name. Students try to guess what kind of plants are shown. Elicit some answers, if students cannot guess correctly, use some hints to elicit the correct answer. Place the pictures and the names on the board.	5 min	Various pictures of leaves/ plants.
Main part of the lesson	To get students interested in the topic and to check/develop their vocabulary To help students to understand and analyze plant and flower life cycle. To see differences and similarities.	1.Introduction Tell your students that the topic of this lesson is the flower and plant cycle. Check if they remember the most important vocabulary connected with this topic. Try to elicit definitions of photosynthesis, pollination, germination and fertilization. If students don't remember explain briefly. 3.Vocabulary – Presentation Show your students the presentation on flower and plant life cycle. Check if students know the meaning of the words, if not try to explain them. Give your students some time to look at the slides and take notes, if necessary. Any new vocabulary that appears in this task should be clarified.	2-4 min 20 min	PowerPoint presentation

Plant growth

		<p>4. Task After the presentation give your students Worksheet A- some facts about different parts of plants and their functions. Ask your students to match each part of plant with its function. Students can work in pairs or small groups. Check their answers after given time.</p> <p>5. Minerals Give your students Worksheet B – this task is about 4 the most important minerals that plants need to grow. Give your students some time to solve the task. Check their answers after given time. Students may use the internet resources to find out the correct answers. This time students can also work in pairs or small groups.</p>	<p>10 min</p> <p>8 min</p>	<p>Worksheet A</p> <p>Worksheet B</p>
Wrap-up	To explain the project – webquest Evaluation of the lesson.	Give your students Worksheet C – and tell them that this is the topic of their webquest project. They will prepare the webquest on various minerals deficiency and its influence on plants growth. Give them 2 weeks to prepare the project. It should be presented after the given time to the rest of the class.	2- 3 min	Worksheet C

Sources:

www.wikipedia.com

<http://www.neok12.com/Photosynthesis.htm>

http://www.biology4kids.com/files/plants_photosynthesis.html

Credits:

Pictures and images for presentation: www.wikipedia.org

<http://www.biology4kids.com>