

Biology-Parts of a Flower

WebQuest Description: This webquest is to educate everyone about the different parts of the flower and their specific functions.

Grade Level: 6-8

Curriculum: Science

Keywords: function, Flowering Plants, sepal, petal Stamen, Filament, Ovaries, parts of flower, Dissection of a hibiscus flower

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Introduction

Want to learn more about The Flower and how the different parts make it successful? Join me as we explore the different parts of the flower. A Flower has many different parts; with their specific functions. My scientist in this web quest we are going to travel with the flower to see and find out more about the different parts of the flower and their functions. Come on scientists, let us explore the world of flowers.

Tasks

This web-quest introduces students to the basic parts of a flowering plant. It provides a range of activities that include the main parts of a flower and their functions. Students will be able to label the different parts of the flower correctly and give their functions. Are you ready to learn all these? As you go through this lesson on the parts of the flower and their different functions. Students will then be able to draw and label a flower and be able to dissect a hibiscus flower given and label each part on a piece of cartridge paper. Objectives: At the end of this lesson students should be able to: Draw and label the different parts of the flower Create a table showing the different parts of the flower and their functions. Create an interactive chart showing the different parts of a flower and their functions.

Process

Process 1: You will be introduced to the different parts of the flower by watching a video about the parts of a flower <https://www.youtube.com/watch?v=Y1rR6a-o6b0&t=7> You will then listen to a song on the parts of the flower on youtube. <https://www.youtube.com/watch?v=-qKWw7JcXC> You will watch a video on the functions of the parts of the flower. <https://www.youtube.com/watch?v=zvJD3-T5tgUP> Process 2: 1. You will read and view the function of each part of the flower with each other. 2. You will then use the resources provided in this web quest to research the different parts of the flower and their functions. 3. Then draw and label the parts of a flower in groups of five. Activity: Dissection of the Hibiscus flower: You are going to go outside in groups of four and pick a Hibiscus flower from the Hibiscus tree. After each group is with a flower, they will return to the lab. Each group will then be given a Cartridge paper to add the following headings; Part of the flower and their functions. When this is done, you are going to dissect the flower in the same groups you were placed. Link showing how to dissect the hibiscus flower <https://www.youtube.com/watch?v=yLI7iEpqxZATo> To see if they know I will ask before each cut if they know what the piece is called. An example would be "Do you know which piece is the sepal?" When the students point it out they will then cut the piece from the Hibiscus flower. We will go through each piece finding the stem, petal, sepal, pistil and more. After each piece is cut out, each group will then glue each piece to a white piece of cartridge paper. Going together to make sure each part is put in the right place. After the pieces are all put on the paper there is a flower ready to be labeled. Process Continued- Once the flower is constructed go back and label each part one at a time, and asking with each piece if they remember what the name of the part is called. So we find the stem and write "stem" next to it. Then in your note books you should write the function of each part. After all labeling is done you should turn over your cartridge paper with the flower and see if they can properly label the parts of the flower on the board as a review/quiz. It is going to be ensured that each person from the groups are able to give the functions of each part without using the book. This is to ensure that each student understand.

Evaluation

Evaluation of activities given

Category and Score	Criteria	Mastery	Near-mastery	None-Mastery	Score
Category 1	Draw the Hibiscus flower	Clear and Accurate Drawings(5-6) marks	Somewhat clear drawings(3-4) marks	Unclear drawings(0-2) marks	6
Category 2	Identify different parts of the flower	Identify all the parts of the flower correctly (5) marks	Identify no less than 6 parts of the flower correctly (3-4) marks	Identify less than 4 parts of the flower (0-2) marks	5

Category and Score	Criteria	Mastery	Near-mastery	None-Mastery	Score
Category 3	Label the parts of the Hibiscus on cartridge paper.	Label all part of the flower correctly (5-6) marks	Label no less than parts of the Hibiscus flower correctly (3-4) marks	Label less than four parts of the flower correctly (0-2) marks	6
Category 4	Explain the function of each labeled of the hibiscus flower	Clearly explain the function of each part of the flowe. (7-8) marks	Not so clear explanation of the function of each part of the flower. (4-6) marks	Unclear explanation of the function of each part of the flower (0-3) marks	8
				Total Score	25

Conclusion

Congratulations! You have successfully drawn and labeled the parts of a Hibiscus flower, created a flower collage and tabulated the function of the parts of a flower. You now have a greater understanding of the parts of a flower and what they do. Now you are an expert Botanist. For further research on parts of the flower click on the links below;<https://www.youtube.com/watch?v=Y1rR6a-o6b0><https://www.youtube.com/watch?v=oVzTO0GZbH4><https://www.youtube.com/watch?v=muv0xdPN3s4><https://www.youtube.com/watch?v=6knTvaNbhnl>

Teacher Page

This web quest is about the parts of the flower and their functions. It also entails multiple activities on the different parts of the flower. Takes 2 days to complete this web quest in the classroom. This web quest is recommendable to use in the classroom as it contains credible information.

Standards

Standard : 6 - 8 grade The parts of the flower and their functions

Credits

Credits:<https://www.youtube.com/watch?v=Y1rR6a-o6b0&t=7> <https://www.youtube.com/watch?v=-qKWw7JcXC>
<https://www.youtube.com/watch?v=zvJD3-T5tgU>

Other

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