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Multiple Intelligences Lesson Plan for Plants

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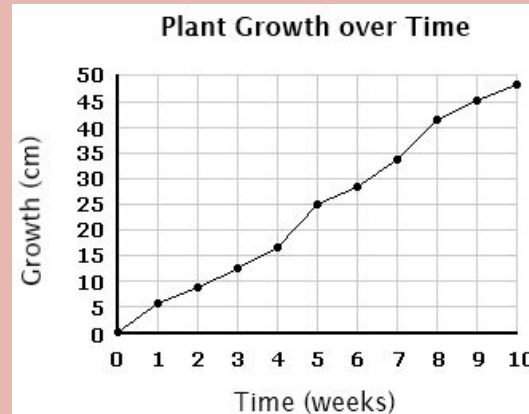
Body/Kinesthetic

The students that are body/kinesthetic learners are going to learn better by doing hands-on activities. The teacher would first explain this experiment, then allow all the students to participate. Next, the teacher will provide a small pot and seed for each student. They'll need popsicle sticks to label which group they are (sunlight, dry soil, no water, etc.) Each table will have different tasks to give their plant. Half of the first group will have rich nutritious soil and the other half will have dry rocky soil, but they will both have the same amount of sunlight and water. Half of the second group will keep their plant in the closet(or dark area), and the other half will keep theirs by the window, but they will both have good soil and same amount of water. The half of the last group will water their plant everyday and the other half won't water their plant at all, but they will both have the same soil and amount of sunlight. This activity will take place over a 10 week period. This will allow the hands on kids to get up, be active and evaluate the results of plant growth.



Logical/Mathematical

As the students go through the growing a plant experiment with different factors (soil, sunlight, water), they will make a graph to track their plants' growth over time and keep it in their journals. The purpose of this experiment is for the kids to also be able to analyze the results and understand the factors of plant growth. By journaling and making charts about their data, this will help logical and mathematical learners by helping them understand a plant's growth with numbers, rather than just visualizing the plant itself. The supplies needed for this will be their pencils, journal, a ruler, and their own plant from the experiment.



Visual/Spatial

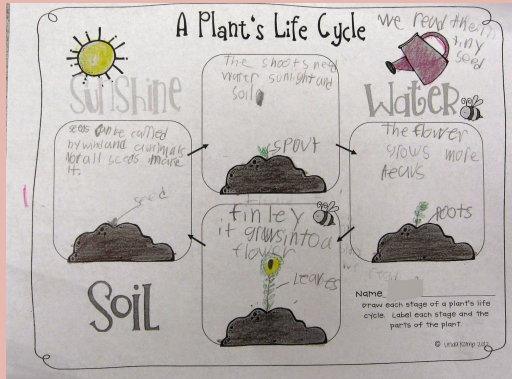
The teacher would play this video for the students (no materials needed) to visually see the different stages that the plants go through before becoming fully grown. The students will later in another activity create a story to also visualize it and allow more involvement for students. Sometimes it's hard for visual learners to understand something just by it being explained to them, so the teacher would show this video in order for them to picture it and see what a plant looks like while it's growing and how long it takes. This video is a time lapse of a plant growing and it would be beneficial to the students since they're growing their own plant too.

<https://www.youtube.com/watch?v=eKo5F87A8a0>



Verbal/Linguistic

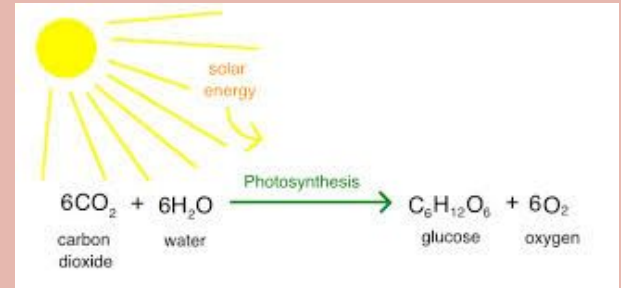
For this activity, the students would write a story about the life cycle of a plant. This can be done during the visual learner's activity video or after. In each box the students would write a few sentences and draw a picture to tell the different stages of plant growth. The teacher would need to provide coloring pencils and white paper for students as well. Also, the students would share and discuss their stories with their table group. This will help the verbal and linguistic learners because it allows them to be creative using words and it also allows them to discuss the material with others, therefore helping them to learn more effectively. The materials needed are the worksheet, a pencil, and colored pencils.



Musical/Rhythmic

The teacher will play the song of the beginning of class (no materials needed) to help the students learn about photosynthesis. The song can be played multiple times, so the students can learn the words, allowing the musical and rhythmic learners to obtain information easily and quickly. Instead of getting this information by taking notes or by a lecture, the students are able to have fun and use music to help them learn the information better.

https://www.youtube.com/watch?v=Cjp2KaVM_go



Naturalist



For this activity, the teacher would take the students outside to plant a tree as a class. The teacher would show the steps of planting a tree, along with the different supplies necessary (shovel, water, soil, seeds, gardening gloves) to grow a healthy plant. The teacher would discuss that a plant needs sunlight, water, good soil, etc. and then explain why each one is important. Each student will get to do part of the process. For example, one student may put the seed in, a few students will pat down the soil, and a couple of them will add water. This will help naturalist learners, because they will be active in the outdoor environment and working hands-on with the equipment to fully comprehend the process.

Interpersonal

This is an activity for students to work in groups to learn the information instead of trying to quiz themselves. To avoid group work that some students could be doing more work than others, I decided to go with these flash cards. Flashcards are a great way for kids to work with other students and still be learning and quizzing their knowledge with every kid participating. The students would walk around the room with their own card and once the music stops they'll find someone and quiz each other on their cards. Once they're done, they'll switch cards and keep walking around. This also allows the kids to work with a variety of students not just their friends and to make sure they're getting all the terms quizzed by them and staying on task. The only materials needed are the flashcards pre made either by the teacher or the students.



Intrapersonal

This is a worksheet the teacher would hand out to the students after the teacher teaches a lesson over the parts of the flower. The students won't need anything except their pencil and this worksheet (unless the teacher allows notes). Not only does it allow the intrapersonal kids to work individually, but allows the teacher to see where every student is at in their knowledge. Working individually will also calm the kids down and allow them to work quietly. If this worksheet is too easy or they get done too fast you can give them a mini quiz over everything that you've learned about plants so far.

