



VALENTINE FLOWERS

Theme: Garden/Valentine

Curriculum Area: Art/ Chemistry

Activity: We will be making flowers from common household items, but at the same time we will be able to observe and learn and see how molecules spread out.

Age of Children: 5th-6th grade (10-12 years old)

Materials Needed:

- ❖ Coffee Filters
- ❖ Black Marker (Water Based)
- ❖ Water
- ❖ Clear plastic cups
- ❖ Scissors
- ❖ Tape
- ❖ Sticks or Twigs

Developmental Objectives/Domains:

- After presenting the children with the video and conducting the original activity in class with the students. Students will be placed into groups and have them attend the activity on their own.

- While in groups students will communicate with one another (with a small notepad) to see who gets what job. Such as: The leader (makes sure everything is running smoothly), the cleaner (making sure everything is clean when conducting the experiment), the notetaker (making sure everything that occurs or any observations that are made are written down), the co-captain (making sure everyone has a job and everyone has their part in the experiment) and lastly the supervisor (who makes sure everyone stays on task).
- As a group they will come up with a hypothesis which they will answer in the end.

Procedure:

- The teacher/instructor will begin by doing the activity how it is supposed to be done online.
- First they grab a coffee filter and draw a small black circle in the middle.
- Then in a clear plastic cup they will pour a small amount of tap water.
- They will then fold the coffee filter in half twice to form a cone shape.
- Upon completing this then place the coffee filter in the water, but make sure the marker line does not touch the water.
- We will let the coffee filter sit for 20-30 minutes.
- Then take out the coffee filter and let it dry on a newspaper.
- Upon drying we will take the scissors and make a small hole through the bottom of the coffee filter and tape a small twig/stick or even a straw.
- We will then finally have a cute flower.

References:

- <https://youtu.be/RS9nPo-cfWo>