Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCIENCE!!!**

**Guiding science experiences for Children**

1. What is science?
2. Why should we encourage studying science in our preschool? (Why is it important?)
3. What are skills children can learn from engaging in science activities?
4. What factors should you consider when selecting equipment and materials for the science area?
5. What are the five basic process skills that science activities should promote (and their definitions)?



1. Explain the best way to use open-ended questions in the preschool.
2. Give an example of a cool lesson you could teach the kids focusing on each of the five senses:
   1. Sight:
   2. Sound:
   3. Taste:
   4. Touch:
   5. Smell:

Lab Sheet

Soda Aquarium Experiment https://www.youtube.com/watch?v=MzsORE0ae10

1. What will the regular Coke do when dropped in the aquarium?
2. What will the Diet Coke do when dropped in the aquarium?
3. What will the Sprite do when dropped in the aquarium?
4. Why do these sodas behave in this manner?

The Unidentified Substances Experiment

1. What do you see and smell in the cups?
2. What do you think is going to happen?
3. What happens to the substances as they are mixed?
4. What were the substances (if you know!)?
5. What is this experiment also known as in Preschool/Kindergarten?

The Skittles Blind Taste Test Experiment

You will be eating skittles “blindly” to figure out what flavor/color they are. Your partner will help you.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | RED | ORANGE | YELLOW | GREEN | PURPLE |
| Partner’s Guesses |  |  |  |  |  |
| Partner’s real colors |  |  |  |  |  |

The Sound Bites Experiment

List the title and artist of the 8 songs Hampel is about to play for you. If you don’t know the artist (or the title) but you know the song, record WHERE you know it from (commercial, TV or Movie, etc.)

a) b)

c) d)

e) f)

g) h)