**Andrea MacMurray Teaching date: 3/30/10**

**Younger Toddlers 18 Months – 2 Years Old**

**Science:**

**Anticipated Length of Learning Experience: 20 Minutes Plus**

**Purpose:**

The children will be strengthening their cognitive development through observation and tactile touching of the oobleck.

**Curriculum Standard:**

State the NH Early Learning Guideline

Cognitive Development: The children will be experiencing focused exploration. The children will be drawing from their prior knowledge of wet versus dry. **Background Knowledge:**

Blue Horses

* The majority of the class participates in the sensory table.
* ‘R’ helped ‘J’ carry the corn starch last time we made oobleck. She then ripped the bag open to help ‘J’ pour.
* ‘I’ and ‘V’ were driving the trucks through the sand table scooping the sand. They could drive the trucks through the oobleck and it would be a different texture.

Younger Toddlers

* Toddlers begin to recognize familiar people, places and things
* Toddlers use their senses and body to investigate people, places and things
* Toddlers observe and respond to various cause and effects
* Toddlers are beginning to collect and organize materials for play
* Toddlers are beginning to be able to combine, separate, and name “how many” concrete objects.

**Objectives:**

* **Cognitive Development:** The children will be mixing, scooping, touching, holding, and observing the cornstarch and water mix together in order to make oobleck. The children will be able to identify that when the oobleck is in the table it is solid/hard and when they try to pick it up it is liquid.

**Assessment Plan:**

I will document this activity through photo documentation of the children participating in the activity. I will engage with the children prompting dialog about what they are witnessing. “‘I’ you are scooping the oobleck what is happening it when you pick it up?” I will also be taking notes on the interaction of the children with each other and myself. I will also take notes on how they children are participating in the activity. Such as are they scooping up the water with a full hand or are they grazing fingers in the oobleck.

**Materials Needed:**

Corn Starch

Water

Sensory table

Pitcher

Tools for exploration (scoops, spoons, etc)

**Introduction/Orientation**

We are going to put oobleck in the sensory table today. “This is corn starch. Do you want to feel it?” “What does it feel like?” “Now feel the water” “Do they feel different?” “Let’s mix them together”

**Body of Lesson**

I will pour the corn starch in the table allowing the children to take the time to explore the corn starch. Then I will pour the water and inviting the children to help me mix them together. I will make sure to state what the children are doing. “‘S’ I see that you are mixing the corn starch and water. What do you suppose is happening?” I will show the children how the mixture is hard in the table and say something like “look as I hold my hand up the oobleck turns into liquid.”

**Conclusion**

It’s time to clean up now. We need to wash our hands in order to get ready to go outside.

**Child Guidance/Classroom management Plan:**

I will need to be present at the table to prevent the oobleck from getting spread across the entire room. Oobleck on the floor is expected but not clear across the room. When a child begins to throw the oobleck I will hold his/her hands and say “oobleck stays in the table” Luckily all the children can fit around the table therefore there should not be a space issue but if there is I will say that “we need to make room for our friends.”

**Next steps/Extensions:**

I can extend the lesson through prompting dialog with the children about their experience in the sensory table. I will prompt dialog such as “‘R’ you played in the sensory table. What was in there? How did you make it?”

**Basic Oobleck Recipe**

**Materials Needed**

* 1 1/2 C. Corn Starch
* 1 C. Water

Mix to combine.

(For Blue Horses we just put a couple of boxes of corn starch in the table and a pitcher of water)