

Dramatic Play Plan

Scientist

MATERIALS

- ✓ Bug Sorting kit
- ✓ Magnet kits
- ✓ Test Tube kits
- ✓ Beakers
- ✓ Goggles
- ✓ Droppers
- ✓ Magnifying glasses
- ✓ iSpy Card Sets
- ✓ iSpy Game

SETUP

1. Test tube station: learn about steps in a science experiment—reiterate “first, next, then, last”
2. Magnet Station: use a magnet kit to make predictions about what the magnets will do
3. Magnifying glass station: search for i-Spy items

STATIONS:

- Test Tube Station
- Magnet Station
- Magnifying Glass Station

Intro: *“Once upon a time there was a scientist who performed a ton of crazy experiments. He used test tubes and beakers to make things bubble, foam and even explode! He had to make sure that he was wearing all of his protective equipment including his goggles, his apron and his gloves to make sure that he didn’t make anything explode in his face! His favorite experiment was making a mini-volcano explode using the liquids and materials in his science laboratory.*

Today we’re going to be scientists! Some scientists use magnets, some use test tubes, and others use a magnifying glass to do science experiments. We will learn about the different tools in our laboratory and how to use them. At the test tube station we use measuring cups, test tubes and beakers. At the magnet station we learn about different things that magnets can do and at the glass station we use the magnifying glass to discover and observe things around us.

ACTIVITY 1 – TEST TUBE STATION

Discuss the steps of a science experiment. Have the children work in pairs and tell each other what they’re doing and what the next step is.

- What goes into the test tubes?
- What would happen if I mixed two different things? (i.e. bubble, smoke, explode, nothing?)
- EXPANSION: “Woah, I dropped my test tube. I want to make sure the chemicals don’t get everywhere. What should I do?”

ACTIVITY 2 – MAGNET STATION

- Use the magnet kit equipped with picture cards and other activities.
- Make predictions about what they think will happen when they put the magnets near each other
- EXPANSION: “Where else do we use magnets? Do they work the same way as they do with these items?”

ACTIVITY 3 – MAGNIFYING GLASS STATION

- Use the magnifying glass to search for items on i-Spy cards and in the magnifying glass kit.
- Discuss some of the things that you can use a magnifying glass to look for.
- Play i-Spy game out loud—describe and give hints to find the object the other person is thinking of
- EXPANSION: Set up a science fair and each child has to make their own experiment.