Guided Discovery Lesson Plan

Lesson: Magnifying Finger Prints

Length: 20-25 minutes

Grade Intended: 1st grade

Academic Standards:

Scientific Thinking 1.2.5: Demonstrate that magnifiers help people see things they could
not see without them.

Learning Objectives:

 Using magnifying glasses in partners, the students will identify at least three differences between their fingerprints.

Assessment: Students will be assessed on participation based on their "My Exploration Page" and interactions with their partners.

Advanced Preparation by Teacher:

- "My Exploration Page" copies should be made for each individual student.
- Magnifying glasses should be gathered, one for each individual student
- If desired, students could be put into pairs before lesson. (Otherwise, students can pair up during the lesson on their own.)

Procedure:

Introduction (ENGAGE): "Today we are going to do some exploring with a scientific tool." (Hold up magnifying glass.) "Does anyone know what this is called?" (Bloom's Knowledge) (Allow for student response.) "Where have you seen one of these before?" (Bloom's Knowledge) (Allow for student response.) "Today we are going to be looking at something that EVERYONE has and that is different for everyone. We are going to look at our fingerprints and compare them to a partner's fingerprints to see how they are alike and how they are different. However, fingerprints are pretty small—how do you think that we can look at them so that we can see all the tiny details?" (Bloom's Application) (Allow for student response.) "Yes! We are going to look at our fingerprints with magnifying glasses! My challenge to you is to find three differences between your fingerprint and your partner's fingerprint—using the magnifying glass to see the small differences too!"

Step-By-Step (EXPLORE):

1. Pass out a magnifying glass and "My Exploration Page" to each student.

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