

Lesson Plan 4 Title: "Let's look what it is made of!"

Concept / Terminology / Topic to Teach: Materials.

Class Goal(s)/Objectives: While constructing a building, depending on the climate, cost, usability and numerous other factors, an engineer can select to use different materials on the building. Observe various building images in class and introduce the children to the various materials used on each building element.

Required Materials: 2 gender neutral puppets, images of different buildings characteristic for different climates, paper on which teacher and children can write materials, small images of the materials to stick right next to the names, pages from home/garden magazines.

Setting: Classroom, Large group time, small group time

Step-By-Step Procedures: During large group time you will start with revisiting the initial scenario (always using the puppets that are talking about it). You will briefly remind the prior ideas to the children and then ask if anyone remembers which building elements were mentioned to be there is the dolls' building. When children are done Andy the engineer can propose a couple of new ideas so that children will start realizing that it is ok to revisit a situation and add on it. Then Andy will tell to Sam that there are many materials an engineer can use while designing a building. Show some building images to the children and discuss what materials are there to identify and why. Mention the weather conditions in these places. A list of materials will be created.

Andy: Hey this is a photo of an igloo. This is a house made of ice. This place seems to be very cold so the house does not melt. Children, do you think I could build an igloo in the desert? Why?

Use a part of the small card board to write down materials and stick images that represent them next to the name.

Plan For Independent Practice: During small group time ask children to mention one material each. Write them down. Then tell them to look around in the classroom and try to find an object made out of this material and bring it to the table. Ask the children what else is made out of this. Give children a couple of pages from home/garden magazines and ask them to find something made from the element that is discussed, cut it and stick it next to the name.

Closure (Reflect Anticipatory Set): Revisit the materials the children have selected to draw.

Assessment Based On Objectives: Children should appear to be able to identify materials and name them.

Possible Connections To Other Subjects: Science (discussing materials in relation to weather conditions), Language (learn new vocabulary), Art (cutting, gluing).