

## Lesson Plan

Name: Mrs. C. Harbidge  
Topic: Homes

Grade/Subject: Grade 1 Science  
Date: December 2, 2010

Unit: Building Things  
Length of Lesson: 30 min 1250-130

<b>General Learning Outcomes</b>	<p><b>1-1</b> Bring focus to investigative activities, based on their own questions and those of others.</p> <ul style="list-style-type: none"> <li>• <b>1-2</b> Describe materials and objects that have been observed and manipulated, and identify what was done and found out.</li> <li>• <b>1-4</b> Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.</li> <li>• <b>1-7</b> Construct objects and models of objects, using a variety of different materials.</li> <li>• <b>1-8</b> Identify the purpose of different components in a personally constructed object or model, and identify corresponding components in a related object or model.</li> </ul>
<b>Specific Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Identify component parts of personally constructed objects, and describe the purpose of each part.</li> <li>• Select appropriate materials, such as papers, plastics, woods; and design and build objects.</li> </ul>
<b>Learning Objectives</b>	<ol style="list-style-type: none"> <li>1. Students will be able to design a home using materials providing that includes a door, floor, walls and a roof.</li> <li>2. Students will be able to create a home based on their design that includes a door, floor, walls and a roof.</li> <li>3. Students will select appropriate materials to construct a home.</li> </ol>
<b>Materials</b>	<p>Cardboard Construction Paper Variety of recycled objects brought from home Powerpoint Presentation BT-7 Smartboard</p>
<b>Procedure</b>	
<b>Introduction (2 min)</b>	<p><b>Attention Grabber:</b> Today we are going to start to build our Grade 1 City! We are each going to build a home for the figurine that you brought from home.</p> <p><b>Assessment of Prior Knowledge:</b> What makes a home? What is a home made of? What kinds of structures do we need for our house (Walls, Roof, Door, Windows, floor)? What types of materials do we use to build our houses (metal, bricks, wood, glass)?</p> <p><b>Expectations/Objectives:</b> Students will be able to design and select appropriate materials to construct a home that includes a door, floor, walls and a roof.</p> <p><b>Advance Organizer:</b> Today we are going to look at a video of a real home being constructed, then we are going to make plans to build our own houses. If we have time we will start to build.</p>
<b>Body of Lesson (min)</b>	<p><b>Activity #1 Recognizing the Parts 10 min:</b></p> <p><b>Introduction/Transition:</b> Have any of you ever seen a house been built? What do you think they do first the floor, the walls, the roof? What do you think they would need to put up next? What do you think goes last?</p> <p><b>Development/Monitoring:</b> Ok now that we have decided what a house needs, and the order that we think a house should be built, let's have a look at a real house being built. While students are watching the video of the construction, ask about the various parts of the house, ie floor, walls etc. What do they put on the outside of the house? <a href="http://www.youtube.com/watch?v=yERpT-4o9wY&amp;feature=fvw">http://www.youtube.com/watch?v=yERpT-4o9wY&amp;feature=fvw</a></p> <p><b>Follow-Up/Assessment:</b> What did they build first in that video? Why was it important to build the floor first? What did they build the walls out of? What shape was the house? What shape was the roof? Why do you think it is important to build a roof that has that shape? Why do we have windows in our house? Why do we have doors?</p>

	<p><b>Activity # 2 Planning (15 min):</b></p> <p><b>Introduction/Transition:</b> Before we can start building our homes, we need to plan how we are going to build it. We need to decide what our home is going to be built of, we need to decide what it is going to look like, and we need to decide how everything is going to be fastened together. Are you going to use glue, tape, safety pins? Your house must have walls, a floor, a roof and a door that opens. Show examples of how we can use a cardboard box, egg cartons and a variety of other materials and fasteners to make a home. Demonstrate how to construct a door that opens and closes. Demonstrate how to draw paper plans for the house they plan on constructing.</p> <p><b>Development/Monitoring:</b> Ok now it is your turn. What you are going to do first is think about what you want your house to look like. Get some materials and think about how you are going to use them. Once you have decided what you are going to use to build your home, draw a picture of what it is going to look like. Label the picture with the materials that you are going to use. Once you are finished you can raise your hand and I will come by to approve your plans. When your plans are approved you can proceed to build your home. For your plans to be approved you must have materials labeled, you must have a plan for walls, a roof, floor and a door that opens.</p> <p><b>Follow-Up/Assessment:</b> What are you going to use to build your home? What is the roof, walls, floor and door going to be built of? Are those materials going to be strong enough, or too heavy? How are you going to attach all of the parts of your house? Ensure students have all the components of their house labeled and materials selected prior to construction phase.</p>
	<p><b>Sponge Activity Start Construction:</b></p> <p><b>Introduction/Transition:</b> Now that you have a plan for construction and all of your materials assembled, let's start building! Remember what you need to build first. Think about how your fasteners are going to work. You are working each on your own house, but remember you can help your friends if they need an extra hand to hold something in place. What is that called when we work together (Cooperation)?</p> <p><b>Development/Monitoring:</b> Have students begin construction project. Circulate to assist where needed. Each student should be working independently, but encourage students to assist one another where they can i.e. one student could hold the roof on while the other tapes it to the walls.</p> <p><b>Follow-Up/Assessment:</b> Once the house is complete, students will show their finished product to the class. They will explain how they built the house, what materials they used, demonstrate how the door opens and closes, what was difficult and what they like best about their house.</p>
<b>Closure (3 min)</b>	<p><b>Reinforcement/Assessment of Learning:</b> Was making the plans for your house difficult? Why or why not? Did some materials work better than others? Why? What were the four things that your house needs to be a house (walls, floor, roof, floor)? Did some fasteners work better than others? Why? What worked the best to attach the roof? How was the house you built different than the house you planned? Why? What did you like best about this activity? What would you change next time?</p> <p><b>Feedback From Students:</b></p> <p><b>Advance Organizer - Next Lesson:</b> Continue house construction.</p>
<b>Reflection</b>	

