



THE VIRGINIA
ADULT LEARNING
RESOURCE CENTER

V i r g i n i a C o m m o n w e a l t h U n i v e r s i t y

Painting
Lesson Five: Painting Safety

Facilitator Guide

Building Basics was paid for under an EL Civics grant from the U. S. Department of Education administered by the Virginia Department of Education. It was paid for under the Adult Education and Family Literacy Act of 1998; however, the opinions expressed herein do not necessarily represent the position or policy of the U. S. Department of Education, and no official endorsement by the U. S. Department of Education should be inferred. This document was designed and created by the Virginia Adult Learning Resource Center at Virginia Commonwealth University, 817 West Franklin Street, Suite 221, P.O. Box 842037, Richmond, VA 23284-2020. It may be reproduced for nonprofit, educational purposes only.

Painting Choosing Your Colors



Building Plan / Blue Prints / Specs (Getting Ready to Teach)

Lifeskill Objective: Learners will be able to identify the proper and improper uses of ladders and describe measures for securing ladders properly and maintaining a safe job site. They will also identify important protective clothing painters should wear.

EFF Skills: Speak So Others Can Understand, Work Together, Cooperate With Others, Convey Ideas in Writing, Listen Actively, Observe Critically, Solve Problems and Make Decisions, Take Responsibility for Learning

SCANS Skills:

- Resources (allocate facility and material resources)
- Interpersonal (participates as member of a team; teaches others; works with individuals from a variety of ethnic, social or educational backgrounds; works and communicates with co-workers; provides basic leadership and negotiation skills)
- Information (acquire and evaluate information related to ladder safety and the steps in painting a residential exterior; this information is then interpreted and communicated through a variety of methods)
- Systems (provide basic understanding of systems)
- Technology (determine the procedures and tools needed to produce the desired results)

Lesson Length: 2 hours



Tools

Activity #1: Is This Ladder Safe? Pictures--large versions
Unsafe Ladder Explanations--cut up

Activity #2: Ladder and Safety Basics Handout
Is This Ladder Safe? Pictures--large versions
An Unsafe Painting Job Site Handout
Safety Solutions Cards--cut up; multiple sets for group activity

Activity #3: Ladder Safety Conversations Handout A
Ladder Safety Conversations Handout B

Target Vocabulary

Nouns:

aluminum	brace	extension	fiberglass	ladder feet
ladder mitts	rope	rungs	safety stop	shim
shoe treads	wood			

Verbs:

fall	lean	secure	slide	slip
stretch	tie			

Adjectives:

level	secure	worn		
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Laying the Foundation Warm-Up / Presentation



Actions	Materials
<p>Activity #1: Ladder Safety Matching</p> <p>1. Tell the learners that today they will be learning about safety on the painting job site. First, they will learn to identify the correct use and location of ladders for exterior painting.</p>	
<p>2. Show the Is This Ladder Safe? Pictures one at a time. Elicit answers to the question, "Is this ladder safe?" Write the responses Yes, it is and No, it's not on the board. Say, "Painters need to know how to put a ladder on a surface so that it is safe. Look at the ladders in these pictures and tell me if they are safe for someone to climb on or not." Point to the responses on the board, and tell them that they will say one of these answers.</p>	<p>Is This Ladder Safe? Pictures</p>
<p>3. After the learners have responded to this question for each of the pictures, affix the pictures of unsafe ladders from the Is This Ladder Safe? Pictures on the board in alphabetical order (A-H). Affix the phrases from the Unsafe Ladders Explanations on the left side of the board or the wall next to the board.</p>	<p>Is This Ladder Safe? Pictures</p> <p>Unsafe Ladder Explanations</p>

This ladder is unsafe because

Unsafe Ladder Explanations →

Is This Ladder Safe? Pictures

<p>4. Ask a student to read the phrases in the Unsafe Ladder Explanations affixed to the left side of the board. Discuss any questions learners have about the phrases. You may want to</p>	<p>Unsafe Ladder Explanations</p>
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Actions	Materials
clarify that <i>it's</i> is a contraction of <i>it is</i> and that <i>its</i> shows something that belongs to or is part of the ladder.	Unsafe Ladder Explanations
5. Starting with the first picture on the board, ask for a volunteer to come to the board and select the phrase that explains why the ladder in that picture is unsafe. If the group agrees with his or her choice, have the volunteer affix the phrase under the picture it describes. Say the complete sentence in phrases, pausing slightly between them; e.g., "The ladder is unsafe/ because it is too close/ to the house." Ask the group to repeat the sentences in phrases after you.	Is This Ladder Safe? Pictures Unsafe Ladder Explanations
6. Remove the unsafe pictures from the board (all but C , F and K) and hold up each of the pictures in a random order. Ask, "What's unsafe about this ladder?" Model the Q & A with a strong speaker. In the answers, learners should use: <i>it's</i> or <i>its</i> _____ + is/are + adjective form as in " <i>It's not level.</i> " or " <i>Its rungs are wet.</i> ", like the Unsafe Ladder Explanations still on the board.	Is This Ladder Safe? Pictures

Actions	Materials
<p>Activity #2: Safety Solutions</p> <p>1. Distribute the Ladder and Safety Basics Handout to each learner. Ask a student (someone with higher reading skills) to read the vocabulary for ladder materials and safety equipment. Have learners repeat the words after the volunteer. Discuss the vocabulary.</p>	<p>Ladder and Safety Basics Handout</p>
<p>2. Hold up the pictures of the three safe ladders (C, F, and K) from the Is This Ladder Safe? Pictures. Ask the learners what the painter did to make these ladders secure or safe.</p> <p>C This ladder is tied to the house at the bottom rung. The ladder can't kick back or skid away from the house.</p> <p>F This ladder has a safety stop behind it. The stop keeps the ladder from kicking back and falling.</p> <p>K This ladder has ladder mitts and is tied to the house at its top rung. The ladder can't slide or tip back.</p>	<p>Is This Ladder Safe? Pictures</p>
<p>3. Distribute the An Unsafe Painting Job Site Handout to each learner. Have learners work together in groups of 3-4 (mixed levels) to discuss the safety problems on this job site.</p>	<p>An Unsafe Painting Job Site Handout</p>
<p>4. Hand out the Safety Solution Cards to strong speakers in the group. Tell the rest of the learners to listen to the solutions and draw the changes on the job site depicted in the An Unsafe Painting Job Site Handout. Do an example together as a group. Mid and higher level learners work individually to draw the changes on their pictures. Beginning learners can work together.</p>	<p>An Unsafe Painting Job Site Handout</p> <p>Safety Solution Cards</p>
<p>5. Circulate throughout the class to check learners' comprehension and to assist beginning learners.</p>	

Building on the Foundation Practicing the New Language



Actions	Materials
<p>Activity #3: Ladder Safety Conversations</p> <p>Distribute a version of the Ladder Safety Conversations Handout (A for beginners and B for mid- and higher level learners) to each learner. Tell the pairs that they will write conversations about the safety problems on this site. One partner will be a painter and the other will be the company's safety inspector.</p> <p>Ask two strong speakers to read the first conversation. Discuss the meaning of <i>could</i> as <i>possible</i> or <i>maybe</i>. Repeat the sample conversation one line at a time and have the whole group say it after you. Ask learners to work together to write and practice the conversations. Ask volunteer pairs to demonstrate their conversations for the whole group.</p>	<p>Ladder Safety Conversations Handout A</p> <p>Ladder Safety Conversations Handout B</p>

Finishing Work Extension or Out-of-Class Practice



Actions	Materials
<ol style="list-style-type: none">1. Learners research additional ladder safety information on the web. Here are some sites to check out:<ul style="list-style-type: none">➤ http://paintingourhouse.info/safety%20details%20l%20.htm➤ http://www.paintquality.com/contractor/safety/index.html➤ http://ehs.sc.edu/modules/Ladders/ladder.htm➤ http://www.cdc.gov/nasd/docs/d001501-d001600/d001509/12.html2. Learners inspect the condition of their work and personal ladders.3. Learners complete a writing log about the use of ladders in their work. They respond to the question, "Do you and your co-workers follow these safe ladder rules?"4. Groups or individual learners create "Safe Ladder Use" posters and display them in the classroom. Use symbols for <i>Do Not</i> and <i>Caution</i> on the posters.5. Learners watch the OSHA "Ladder Safety" training video and discuss or write about information they learned.	<i>OSHA Safety Training Video</i>



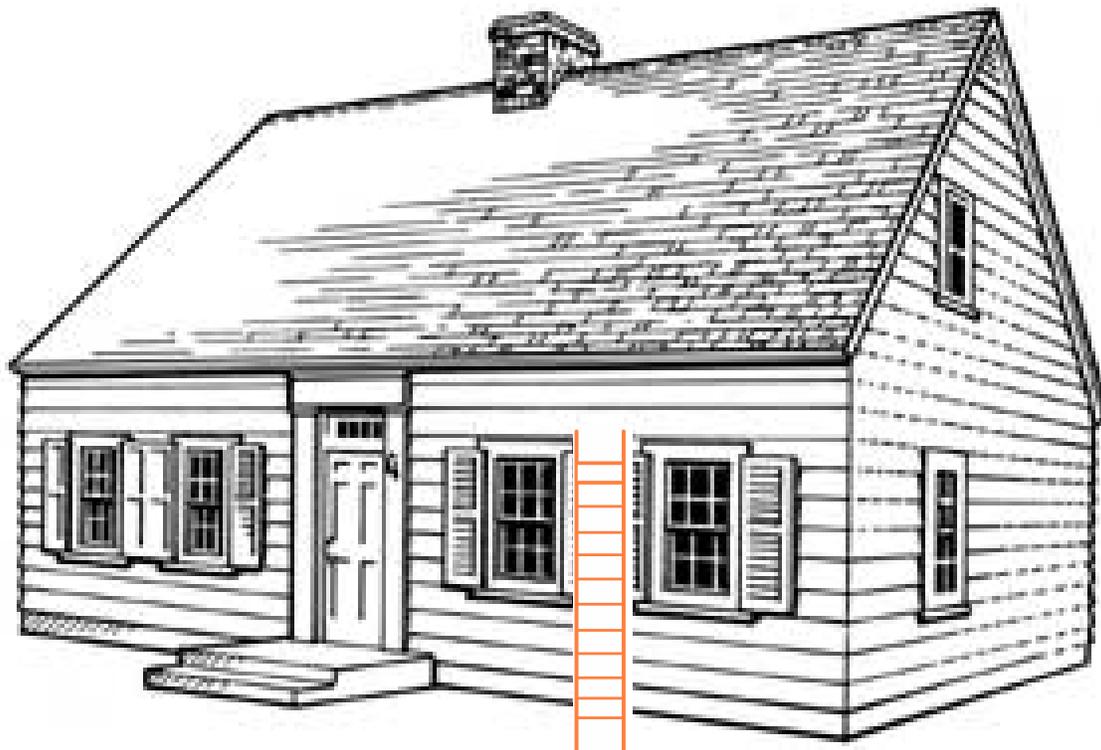
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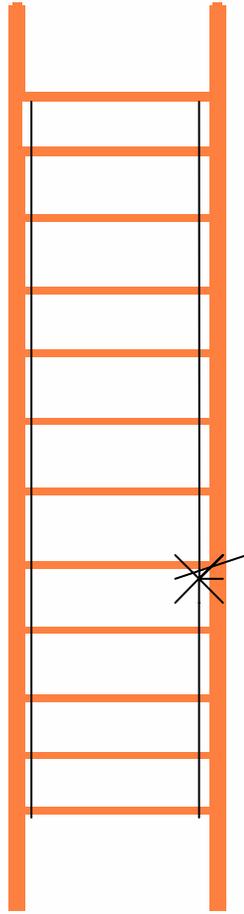
A



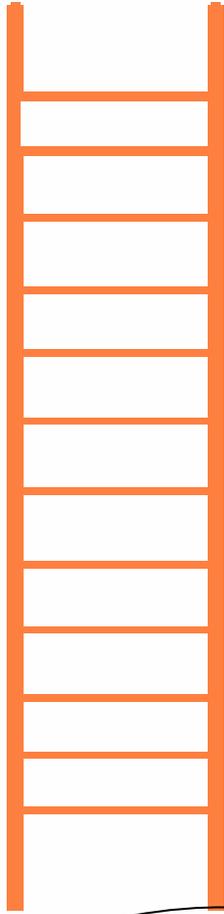
B



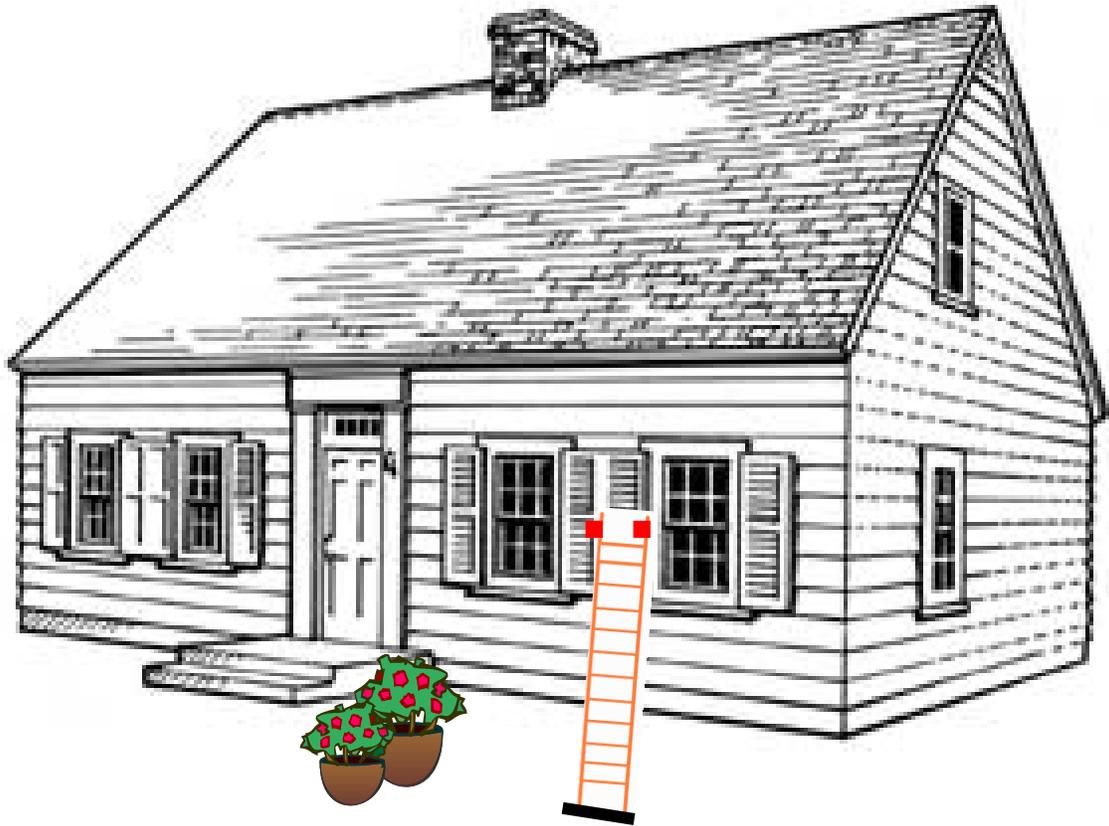
C



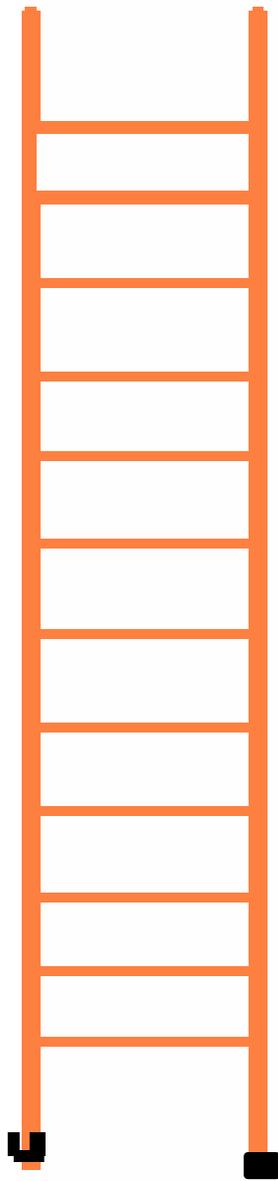
D



E



F



G



H





J



K



L

Activity #1: Unsafe Ladder Explanations

It's too close to the house.

It's too far from the house.

It's on uneven ground.

Its rope is worn.

It's on loose ground.

It's too close to the wires.

It's the wrong kind of ladder.

Its shoes are worn.

It's too short.

LADDER AND SAFETY BASICS

1. Materials

fiberglass



wood



aluminum



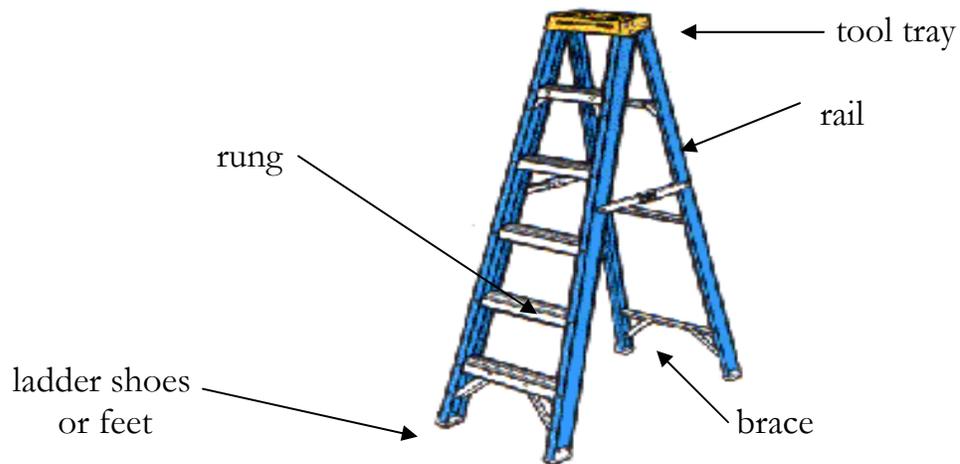
2. Types

extension

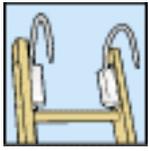
step-ladder
A-frame

platform

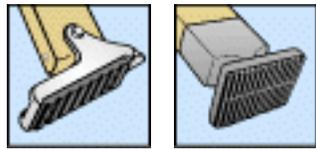
3. Parts



4. Safety Equipment and Supplies



roof hooks



ladder shoes



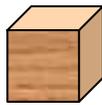
ladder mitts



safety stop



shim



block



stake



rope

5. Protective Clothing



coveralls



bib overalls



work pants



non-skid, work shoes with heel and rubber soles



painter's hat



safety glasses



dust mask



gloves



Activity #2: Safety Solution Cards

<p>Place a block under ladder D to make it level.</p>	<p>Tie ladder C to the house. Tie the rope to the bottom rung of the ladder.</p>	<p>Remove the drop cloth from under ladder B.</p>
<p>Place ladder A at a bigger pitch or angle. It is too close to the house.</p>	<p>Remove the lawn mower from under ladder D.</p>	<p>Place ladder F closer to the house. It is too far from the house.</p>
<p>Put ladder mitts on ladder B.</p>	<p>Tie ladder A to the house. Tie the rope to the top rung of the ladder.</p>	<p>Cover the bushes with drop cloths.</p>



Activity #3: Ladder Safety Conversations

Handout A

Read the conversations on the left. Choose the correct sentence on the right to finish each conversation. Write the correct sentence on the line.

Example

Supervisor: This ladder isn't safe. **Put a block under it.**
New painter: What's wrong with it?
Supervisor: It could slide.
New painter: Well, what do we do?
Supervisor: **Put ladder mitts on it.**

1. Supervisor: This ladder isn't safe. **Take it down when you are not using it.**
New painter: What's wrong with it?
Supervisor: Some kids could get on it.
New painter: Well, what do we do?
Supervisor: **Take it down when you are not using it.**

2. Supervisor: This ladder isn't safe. **Place it closer to the house.**
New painter: What's wrong with it?
Supervisor: It could tip back.
New painter: Well, what do we do?
Supervisor: **Tie it to the house.**

3. Supervisor: This ladder isn't safe. **Tie it to the house.**
New painter: What's wrong with it?
Supervisor: It's wet.
New painter: Well, what do we do?
Supervisor: **Dry off the rungs.**

4. Supervisor: This ladder isn't safe. **Put ladder mitts on it.**
New painter: What's wrong with it?
Supervisor: It's on uneven ground.
New painter: Well, what do we do?
Supervisor: **Put a block under it.**

5. Supervisor: This ladder isn't safe. **Dry off the rungs.**
New painter: What's wrong with it?
Supervisor: It's too far from the house. It can kick back.
New painter: Well, what do we do?
Supervisor: **Put it closer to the house.**

Now practice these conversations with your partner.



Activity #3: Ladder Safety Conversations

Handout B

Look at the **An Unsafe Painting Job Site Handout**. Create 3 conversations between a safety supervisor and a new painter. Talk about what is unsafe. Talk about what **could** happen. Then give a suggestion to make the ladder or the area safer.

Example A

Supervisor: This ladder isn't safe.
 New painter: What's wrong with it?
 Supervisor: **It could slide side to side.**
 New painter: Well, what do we do?
 Supervisor: **Put ladder mitts on it.**

Example B

This ladder isn't safe.
 What's wrong with it?
Some kids could get on it.
 Well, what do we do?
Do not leave it up.
Take it down when you are not using it.

Useful Words for Safety Conversations

What could happen to a ladder?	What could happen to a person?	What can you do?	What can you use?
slide tip back tip over kick back fall fall over collapse	slip fall fall off get hurt hurt yourself	place allow put let remove use brace move clear dry off check get on get off keep	brace shim block safety stop ladder mitts roof hooks rope stake

**Write these conversations on your own paper.
 Then practice saying them with your partner.**