

**Mansfield Public Schools
Greenhouse Lesson Plan**

Lesson Title / Grade Level	Making Native American Tools Grade: 4
Content Area Objective(s)	Students will know how to make Native American gardening tools Students will know how these tools are different from today's gardening tools
Science Goals And Objective(s)	Students will make the tools necessary to care for their garden
Overview	Students will discuss what type of tools would have been needed by the Native Americans for their Three Sisters Garden and how they might have created those tools. Then they will read a short Native American story about how some tools were created, and they will make their own gardening tools using the same materials.
Time Needed/ Instructional Arrangements and Setting	30 minutes ½ the class at a time In the greenhouse
Prerequisites Or Pre-Teaching That Needs To Be Done	Students should have a basic understanding of what the Three Sisters Garden is Students should have some background knowledge of Native American culture
Procedure	Initiation- Ask students if they have ever worked in a garden. Ask what kind of tools they have used, or seen used. Ask them what kind of tools they think were used before modern tools were made. Procedure- Ask students questions from page 311 in "In the Three Sisters Garden..." Discuss. Read "Old Magic Woman's Rake" to the students (from page 312). Discuss the questions and ideas on page 313. Divide students into groups, give each group materials to make a tool, and have students try to create a Native American gardening tool. Closure- Ask students what they learned. Was it difficult to make the tools? Easy? Do they think the tools will be easy to use? Will they hold up, or will they break easily? Tell students that they can test them when they plant their garden.
Materials	<ul style="list-style-type: none"> • <i>In the Three Sisters Garden: Native American stories and seasonal activities for the curious child</i> A Common Roots Guidebook • Sticks • String • Clam shells • Antlers
Materials Notes	Depending what materials you have, you can make different types of tools. The above materials will make a rake and a hoe
Differentiation Strategies	
Assessment Strategies	Students will be evaluated based on their participation in the class discussion and their cooperation and assistance in making the tools

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Teacher Reflections	
Date of Lesson	What I want other teachers to know about this lesson is -
