

Unit A: Introduction to Science, Engineering and Technology

Lesson Code:	MA Frameworks	WPS Benchmarks
3.A.1	All Sci/Tech/Eng Frameworks addressed	All Sci/Tech/Eng Benchmarks addressed
3.A.2	All Sci/Tech/Eng Frameworks addressed (ex. 3-5.P/S.1; 3-5.T/E.1.1; 3-5.T/E.1.2; 3-5.T/E.2.1; 3-5.T/E.2.3) format to write these? The MA Frameworks website does not list them in a numbered format see: http://www.doe.mass.edu/frameworks/scitech/2001/0501.doc	All Sci/Tech/Eng Benchmarks addressed (ex. 03.SC.TE.01-03; 03.SC.PS.01; 03.SC.PS.02)
3.A.3	All Sci/Tech/Eng Frameworks addressed	All Sci/Tech/Eng Benchmarks addressed

Lesson 3.A.1: Name of Lesson

Summary

Begin summary here: should be identical to summary in Lesson 3.A.1

Lesson Length

1. Session 1: X minutes
2. Session 2: X minutes

Required Background Knowledge

1. Identical to list in lesson

Key Words

1. Identical to list in lesson

Lesson 3.A.2: Dual-Purpose Tools

Summary

This lesson will introduce students to dual-purpose tools. Students will recall their knowledge of tools with respect to weight, materials, safety, and size (see Lesson 3.A.1). After a brief review, students will learn about dual-purpose tools and will then design and build a prototype of a dual-purpose tool, using the engineering design process. Students will have access to a variety of materials and will choose those that best fit with the purpose of the tool. This lesson may be seasonally appropriate during Thanksgiving; students might compare and contrast tools used by Native Americans and Pilgrims with the tools they will design.

Lesson Length

1. Session 1: 50 minutes
2. Session 2: 50 minutes

Required Background Knowledge

1. Basic properties of materials
2. Use of common tools

Key Words

1. Tool
2. Dual-purpose tool
3. Material selection
4. Prototype

Lesson 3.A.3: Name of Lesson

Summary

Begin summary here: should be identical to summary in Lesson 3.A.3

Lesson Length

1. Session 1: X minutes
2. Session 2: X minutes

Required Background Knowledge

1. Identical to list in lesson

Key Words

1. Identical to list in lesson

NOTES:

- Comments Welcome!**
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