

INTRODUCTION

**SOCIETY OF WOOD SCIENCE
AND TECHNOLOGY**

TEACHING UNIT 2



Welcome to the Society of Wood Science and Technology's second teaching unit. This unit is intended for classroom use in high school science classes to introduce the properties of wood. Teaching Unit 1 which consists of three slide sets: "Made in the USA from Wood", "Structure of Wood", and "Wood Identification" should be completed prior to this unit.

The following items are included in this unit:

- 1) Slide Set No. 1 is entitled "**Properties of Wood**". This set of 69 slides gives background information on the physical and mechanical properties of wood. It provides a basis for further study of wood properties and characteristics, and it prepares students for the activities included in Slide Set No. 2.
- 2) Slide Set No. 2 is entitled "**Activities**". In this set of 6 activities, the properties of wood from Slide Set No. 1 are examined through experiments and hands-on activities.

This teaching unit was a project of the Education Committee of the Society of Wood Science and Technology. It is the result of the combined efforts of Douglas D. Stokke, Iowa State University, Ames, Iowa, William T. Simpson, Forest Products Lab, Madison, WI, K.C. Yang, Lakehead University, Thunder Bay, Ontario, Canada, and Audrey Zink-Sharp, Virginia Tech, Blacksburg, VA. Other committee and SWST members have contributed ideas and suggestions.

Images in slides 3, 4, 6, 7 right, 8, 21, and 29 of Set No. 1 are reprinted from The Nature of Wood and Wood Products 1996 CD ROM, Forest Products Society, Madison, Wisconsin.

The image in slide 5 of Set No. 1 was provided by the N.C. Brown Center for Ultrastructure Studies of S.U.N.Y. - College of Environmental Science and Forestry, Syracuse, NY.

Images in slides 7 left, 10, 12, 23, 27, and 43 in Set No. 1 were provided by Audrey Zink-Sharp, Va Tech, Blacksburg, VA.

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