

Title of Lesson Plan	Engineered Wood Products (EWP's)
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City and State	Philadelphia, Pennsylvania
Grade Level(s)	Adult School, Professional Presentations
Keywords (subjects covered)	EWP's, Medium Density Fiberboard(MDF), Plywood, Composite Lumber Products
Brief Description	Description of the many different types of engineered wood products, how they are manufactured, and their various uses
Total Time Required	Two(2) two-hour sessions
Setting	Classroom, Lecture Hall
Lesson Objectives/Goals	<ol style="list-style-type: none"> 1) Unlike the past, when much of the tree was wasted during the logging/manufacturing process (such as bark, wood chips, etc.) every part of the tree is now utilized in some way; 2) Much of this woody material, derived from trees, is used in the manufacturing of engineered wood products which are utilized in the construction and other wood-related industries, such as fiberboard, oriented strand board(OSB), parallel strand board(PSL), laminated veneer lumber(LVL), plywood, hardboard, etc. 3) All of these EWP's have their own unique characteristics in how they are manufactured and how they are used
Materials Needed	Samples of each EWP, videos, DVDs
Standards Addressed	Standards are set by the various national and international professional associations, such as ASTM International (formerly known as the American Society for Testing and Materials; American National Standards Institute(ANSI), Forest Products Laboratory (FPL),etc.
Procedure	Facilitating a lecture, by incorporating the history EWP's (plywood, for instance dates back at least to over 2,000 years), the development of best forestry practices in the utilization of all woody materials, and the evolution of this process into present-day manufacture and uses of the various EWP's; use of visual aids
Assessment	Determining the participant's level of understanding of the evolution and sometimes complex issues in the use of EWP's, such as professional standards concerning manufacture and use, environmental concerns, sustainable forestry practices, etc.
Literature Cited/References	Various literary and professional publications
Forestry Tour Attended	Northeast 2008

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