**PLANNING FORM**

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| **Disciplines:** Biology, Technology, Geography, English |

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| **Title:** Wood properties |

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| **Teachers:** Rosa Monasor, Encarna Naharro, Elzbieta Swiatowiec, Renata Ogorek, Vidar Steffensen |

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| **Schools:**  Leonardo Da Vinci High School, Spain  Tranevègen Ungdomsskule, Secondary, Norway  Zespol Szkol Budowlanych, Mielec Polska |

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| **Class:** Age 15 |

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| **Planning of the thematic unit:**   * **Methodology**:   Collaboration – They work with 4 students in each group. Each groups are given one type of tree to work with.  The students have different roles: Supervisor, secretary, speaker, materials responsible   * **Objectives**:   The groups are going to have a presentation of the topic and make a display. They can choose the way of presentation and display. As an example, they can choose to make a Powerpoint presentation and a poster  An important objective of this project is to have the students help each other and learn how to work in groups (Respect different abilities, ideas, roles etc.)   * **Knowledge**, **skills** and **abilities** to be developed:  1. Knowledge: To know different kinds of trees, their classification and scientific name, to know geographical locations of different trees, to know the properties of different types of wood and their application, 2. Language skills – read, write, speak, listen   Technological skills – Search for information on the Internet and select  Biology skills  Geographical skills  Collaboration skills  Presentation skills   1. Ability:   They should be able to distinct different types of trees and do a classification of trees. They should be able to compare different types of trees and choose the suitable ones for making an object. They should be able to know the Simple Present and doing comparisons with adjectives.  They will show that have the ability to make a display and a digital presentation.  They will show the ability to present information   * **Instruments, materials, resources**:  1. Computer lab: Each groups needs a computer with Internet 2. Powerpoint or other types of programs for presenting 3. Cardboards, markers, glue and different types piece of woods, pictures…. 4. Maps for location 5. A white board and a projector.  * **Descriptions of activities/stages of thematic unit:**  1. The students are placed in groups of four. The groups are mixed according to gender and abilities. 2. The teacher gives the groups a label saying which type of tree they have to study 3. The students decide the different roles of the group 4. Finding information from different sources. 5. The y discuss and decide which type of presentation and exhibition they want to make 6. The students work with the project in the lessons of the different subjects involved. Biology: Classify and name the different species of trees. Technology/Construction: Teacher makes groups and give a label with one type of tree. Explain the roles in the group and use the computer to search for information. They need to know the different properties each type of wood have, and decide which type of wood applies to different constructions. Make a poster and the presentation. English: Find the information about your tree, extract it and write the information in your own words using the correct grammar. Work with the pronunciation and practice reading it aloud. Geography: Locate where your tree grows. Figure out what type of climate they need to grow. 7. We will have a presentation and an exhibition of the different trees, and all the students will learn about all of the trees.  * **Evaluation**:   We are going to have different types of evaluation.  The teacher will give a group evaluation for the final product and an individual evaluation of each student in the process and how to improve the activity.  The students will have a self assessment and a group assessment. |