



# Interactive learning day in Science/Phygital

Target group: students of graphics

Topic: identification and classification of trees; elaboration of graphic material

Learning outcome: apply the scientific method to look around; deepen one's knowledge of trees; be able to identify and recognize the key elements to set the species of a tree; know how to use dichotomous diagrams; use of electronic equipment for collecting data; use their graphic skills to produce drawings

Time: 8:15-13:15 and 14:00- 16:45(the first day of five days' long course)

Educational equipment: Meet (lessons, co-operation), Moodle (group's home base, all material), graphics programs; smartphone or camera

Time	Contents	Tools
8.15-8.30	<p>Orientation to the day</p> <ul style="list-style-type: none"> <li>- cameras on – Good morning!</li> <li>- presentation of the topic (theme, timetable and aim, and what students need)</li> <li>- rules: when you speak, turn on your camera</li> </ul>	<p>Moodle</p> <ul style="list-style-type: none"> <li>- link to Meet distance learning day in Moodle materials</li> </ul> <p>Meet</p> <ul style="list-style-type: none"> <li>- microphone, camera, whiteboard</li> </ul>
8.30-9.00	<p>Brainstorming: Trees these strangers</p> <p>Activity 1: what we know about trees: with mentimeter teacher introduce the topic (Es of result <a href="#">metimeter result</a>). After This teacher shows the result and stimulates curiosity about trees with his knowledge</p> <p>Activity 2: Student and Teacher watch the video “How trees talk to each other” in TED speech platform</p>	<p>Moodle</p> <ul style="list-style-type: none"> <li>- link to <a href="http://www.mentimeter.com/">www.mentimeter.com/</a></li> <li>- <a href="#">Link to TED video</a></li> </ul> <p>Meet</p> <ul style="list-style-type: none"> <li>microphone, camera, whiteboard</li> </ul>
9.00-9.15	Coffee break	<p>Meet</p> <ul style="list-style-type: none"> <li>- when you are back in Teams turn your camera on and use Thumbs up sign</li> </ul>
9.15-10.00	<p>Outside activity:</p> <ul style="list-style-type: none"> <li>- Each student has to go outside and come back with photos of the details of 5 different trees: leaves, flowers, fruits, bark, buds, silhouettes, etc.</li> </ul>	<p>Smartphone or camera</p> <p>PC</p>



10.00-10.15	The teacher provides the class with the link and instructions to upload the material collected during the previous activity on www.padlet.com	Meet microphone, camera, whiteboard - Notice board on padlet and its link
10.15-11:00	Frontal lesson on the elements that allow us to trace the species, terminology of the various morphologies of leaves, flowers, etc.; use of dichotomous diagrams (e.g. recognition of the species starting from the leaves) Teacher use the pictures on padlet for example.	Meet microphone, camera, whiteboard Padlet link Moodle: materials for the explanation of tree species recognition
11.00-11:15	Break	Meet - when you are back in Teams turn your camera on and use Thumbs up sign
11.15-12.00	Activity 3: Teacher introduce the app Plantnet, and haow to use it. Recognition of the tree species through the Plantnet Smartphone App. Every student; each student must be able to recognize at least the species of a plant independently	Meet microphone, camera, whiteboard App for smartphone Plantnet
12.00-13:15	Project explanation: descriptive graphics card for recognizing the species of a tree. Students must create a graphic work in A3 format pdf using a graphics program for pc of their choice. The goal is to create a detailed tree sheet of news and information on the species and in particular the modalities through the simple observation it can be recognized. The form must use at least two photos taken by the student in the morning activity. Student can work till the end of morning lesson	Meet microphone, camera, whiteboard Graphics programs for pc or online
13.15-14.00	Lunch Break	-Meet - when you are back in Teams turn your camera on and use Thumbs up sign
14.00-16:00	Point of the situation and resumption of work. The form in pdf format must be uploaded on the moodle platform of the class	-Meet microphone, camera, whiteboard -Graphics programs for pc or online Moodle - delivery task
16.00-16.15	Coffee Break	Meet - when you are back in Teams turn your camera on and use Thumbs up sign



16.15- 16.45	Summary of day The teacher shares each student's work with the class and makes the final evaluation.	-Meet microphone, camera, whiteboard
-----------------	---	--

