

T4EU-REV4.0 Homework Sheet [NO] - Workline A

[DE]	[HR]	[IT]	[IE]	[LT]	[NO]	... what you have to do until when...	... for ... (workline / workgroup)
X	X	X	X	X	X	Decide, which touch panel you would you choose.	end of November 2021	Touch Panel
X	X	X	X	X	X	Research the I2C protocol. Research Raspberry PI specifications. Which specifications do you need for the Raspberry PI to make your applications work?	meeting in [IT] 02/2022	Wireless Link
X	X	X	X	X	X	Take a photo of each waggon that you have in school and decide on how to animate those waggon upper parts other than just by sound and light.	end of November 2021	Animation
X	X	X	X	X	X	Concerning sound animation: Define the length and quality of sounds and songs to the selected waggons.	meeting in [IT] 02/2022	Animation
X	X	X	X	X	X	Choose the type of battery and type of needed connectors and a complimentary control / mannagement circuit for power supply.	meeting in [IT] 02/2022	Power Supply
X	X	X	X	X	X	How many waggons do you have for animation? Which ones do you want to use (who has built this upper part of the waggons)? Please name the nationalities of the waggons. We also need pictures of the waggons. Please upload pictures to the forum. Research the I2C protocol.	end of November 2021	Control Unit

T4EU-REV4.0 Homework Sheet [NO] - Workline B

[DE]	[HR]	[IT]	[IE]	[LT]	[NO]	... what you have to do until when...	... for ... (workline / workgroup)
X	X	X	X	X	X	Upload pictures of each display showcase in each school to Microsoft Teams <u>and</u> to the forum on the website (www.cnc-network.eu).	end of December 2021	Webcam
X	X	X	X	X	X	Find an available PC being used for the showcase.	end of December 2021	Webcam
X	X	X	X	X	X	Finding the perfect webcam with all the needed specifications (-> for the "Webcam" group members only)	meeting in [IT] 02/2022	Webcam
X	X	X	X	X	X	Learn how to link a microcontroller to a website. Do not forget to test this link!	meeting in [IT] 02/2022	Signal Coding
X	X	X	X	X	X	Find out how to make the local webserver accessible for external data.	meeting in [IT] 02/2022	Data transmission
X	X	X	X	X	X	Learn how to program the website by getting to know the necessary languages: HTML, CSS, JavaScript, Bootstrap and PHP. Basic skills will be needed for programming. (-> only for the members of the "Web Interface" group)	meeting in [IT] 02/2022	Web Interface
X	X	X	X	X	X	Install the Arduino IDE. Then install the needed drivers and libraries. The needed name for the library is PCF8754. Install the WiFi-library. Install the CP2102 driver and the visual studio code and also install the "live server" extension.	meeting in [IT] 02/2022	Programming

T4EU-REV4.0 Homework Sheet [NO] - Workline C

						NO HOMEWORK IN WORKLINE C :-)		

T4EU-REV4.0 Homework Sheet [NO] - Workline D

[AT]	[CH]	[ES]	[DE]	[LU]	[NO]	... what you have to do until when...	... for ... (workline / workgroup)
X	X	X	X	X	X	Make sure all participants of the first meeting have evaluated the meeting in [NO]. That is very, very, very important. Thanks a lot!	immediately after the [NO] meeting	Support / Evaluation