

Qualification: X

Venue: "Zemgale Region Competence Development Center" (Latvia)

Date of event: **08.09.2023.**

Homework task: Before the competition, each team has to make a freely chosen product using 5 to 15 components/ original parts (number of original parts can be more than 1), applying the knowledge, skills and technologies that are in the curriculum of the specific qualification. The work of the competition must be presented with a pre-prepared video demonstration (1-3 min), in which the stages of product development (planning, material selection, processing, quality control, measurement) are filmed and in which the team explains what materials were used, the purpose or usage of the product, the company's involvement, manufacturing technological process and compliance with work safety and protection during product manufacturing. The competition work must be created by a team, involving the company in the creation of the product. The video is sent 3 working days before the competition to **lab4stem@masoc.lv**. The work of the competition is delivered to Jelgava, Latvia on the day of the competition. Maximum number of points: 50.

N.p.k.	Evaluation criteria for the competition's homework:	Max. points	
1.	Creativity for the product idea	5	
2.	Accuracy for the manufactured product,	10	
3.	Video attractiveness	5	
4.	Applicability (the product must be practically applicable)	10	
5.	Product manufacturing complexity	10	
6.	Compliance with occupational safety and protection requirements when manufacturing an object	5	
7.	Cooperation with the company (options - drawing provided by the company, work made with the company's raw materials, equipment, quality control, etc.)	5	
	Total points	50	