

### Teachers Task Sheet

The material is proposed by:	Tallinn Construction School – Tallinn, Estonia
Title of lesson plan / task sheet	<b>Weld Stitching Markings – clear self-expression</b> Adding stitching symbols onto stitching drawing.
Targeted XXI century skills	<ol style="list-style-type: none"> <li>1. <b>Communication</b></li> <li>2. ICT Literacy</li> <li>3. Productivity</li> </ol>
Brief description of the competences the students will learn (including, for example, which scientific theory is based on)	Student solves problem, that is directly related to his profession. Student has to use his on professional knowledges to create solution, and also be able to prove correctness of solution using additional informational sources. Student passes all three stages of solution creation: preparation or draft, complete documentation, and final document – drawing. During draft and documentation creation student pays attention, that both should be suitable for other persons, easy to understand.
Speciality/target group	Welding vocational students <ul style="list-style-type: none"> <li>• Own required applicable ICT knowledges – general usage of a computer</li> <li>• Own required applicable professional knowledges to read welding drawings</li> </ul>
Learning outcomes for the vocational profession	<ol style="list-style-type: none"> <li>1. Student knows and uses correct symbol for welding stitching drawings.</li> <li>2. Student explains his opinion with arguments and proofs.</li> <li>3. Student uses different ICT solutions creating different digital outcomes.</li> </ol>
Tools needed for this lesson plan/ task sheet (if applicable)	<ol style="list-style-type: none"> <li>1. Computer with preinstalled software: MS Word, MS Publisher.</li> <li>2. Printer for printing paper worksheets on A4 paper single sided.</li> <li>3. Prepared worksheets for printing (*.pdf   *.docx file).</li> <li>4. Writing tools – pen, pencil.</li> <li>5. Prepared worksheets for fulfilling in PC (*.docx file).</li> <li>6. Prepared worksheets for drawing creations (*.pub file)</li> </ol>
Approximate time to complete the task	30 min
Suggested more comprehensive methodical guide for doing / carrying out the task (for the teacher or student)	<ol style="list-style-type: none"> <li>1. Explain, that in this exercise is important to find out correct solution and prove correctness of it.</li> <li>2. Share for students prepared materials according to necessary, not all at once.</li> <li>3. Explain students, how to prove their opinion.</li> </ol>
Warming up	<ol style="list-style-type: none"> <li>1. Ask students about welding symbols.               <ol style="list-style-type: none"> <li>1.1. What kind of symbols can be.</li> <li>1.2. What each part of symbol does mean.</li> <li>1.3. Other information, that can be important.</li> </ol> </li> <li>2. Why those stitching symbols so important are?</li> </ol>

<p>- Explanation for the students at the start</p>	<ol style="list-style-type: none"> <li>1. Correct stitching symbol and stitching type a quite important, because of this depends health and life of other people.</li> <li>2. If You can not read the drawing – how can be sure, that You can do you job correctly?</li> <li>3. Information has to be simple and clear not only for you, but also for you colleagues.</li> <li>4. Good documenting – good planning – good and quality job!</li> <li>5. Quality job – reputation – money!</li> </ol>
<p>- Task description for the students</p>	<ol style="list-style-type: none"> <li>1. Open drawing file. Become familiar with that.</li> <li>2. Find out yours ID exercise.</li> <li>3. Get the pre-printed task sheet for fulfilling using pen or pencil. <ol style="list-style-type: none"> <li>3.1. Read the task sheet.</li> <li>3.2. Start fulfilling using pen or pencil step-by-step according to text on task sheet.</li> </ol> </li> <li>4. Fill the administrative form at the top of the page.</li> <li>5. Open pre-given drawing file.</li> <li>6. Find out on the drawing, what side from stitching made is? Write it down</li> <li>7. Find out on the drawing, what correct welding symbol for this stitching is? Write it down, draw it it down.</li> <li>8. If there is some additional information for the stitching, write it down.</li> <li>9. Write down clear and reasoned explanation using your own words, why your chosen stitching symbol is correct?</li> <li>10. Prove your choice of stitching symbol by using some learning materials. Find corresponding part (place) from educational materials, write down source of proof.</li> <li>11. Now open the pre-given digital task sheet – there you should type in information, that wrote on the paper before.</li> <li>12. Fill the administrative form at the top of the page. <ol style="list-style-type: none"> <li>12.1. Completed document can be longer than one page.</li> <li>12.2. Use quick save every 5-7 to prevent information losses.</li> <li>12.3. Type reply into dashed box.</li> </ol> </li> <li>13. Type in stitching side description.</li> <li>14. Type in description of stitching type – weld-symbol description.</li> <li>15. Type in any additional information about welding.</li> <li>16. Type in explanation, why your answer is correct.</li> <li>17. Give a proof using learning materials, that your chosen symbol is correct.</li> <li>18. Save you document in text processor as a *.pdf.</li> <li>19. Create correct welding symbol for your drawing case.</li> <li>20. Save drawing as a *.pdf.</li> </ol>