

Task Sheet: Weld Stitching Markings – clear self-expression

Provided by: Tallinn Construction School

General information of task for teacher

Title of the task sheet	Weld Stitching Markings – clear self-expression
Targeted 21st Century Skill	Communication / ICT Literacy / Productivity
Brief description of the competences the students will learn (Including, for example what scientific theory this is based on)	Student solves problem, that is directly related to his profession. Student has to use his own 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.
Specialty/Target group (If applicable)	Welding vocational students <ul style="list-style-type: none"> • Own required applicable ICT knowledges – general usage of a computer • Own required applicable professional knowledges to read welding drawings
Learning outcome(s) for the vocational profession	Student: <ul style="list-style-type: none"> • knows and uses correct symbol for welding stitching drawings; • explains his opinion with arguments and proofs; • uses different ICT solutions creating different digital outcomes.
Tools needed for this lesson plan/ task sheet (If applicable)	<ol style="list-style-type: none"> 1. Computer with preinstalled software: MS Word, MS Publisher. 2. Printer for printing paper worksheets on A4 paper single sided. 3. Prepared worksheets for printing and for fulfilling 4. Writing tools – pen, pencil. 5. Prepared worksheets for drawing creations (*.pub file; *.pdf file)
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"> 1. Explain, that in this exercise is important to find out correct solution and prove correctness of it. 2. Share for students prepared materials according to necessary, not all at once. 3. Explain students, how to prove their opinion.

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Lesson plan of the task

<p>Warming up</p>	<ol style="list-style-type: none"> 1. Ask students about welding symbols. <ol style="list-style-type: none"> 1.1. What kind of symbols can be. 1.2. What each part of symbol does mean. 1.3. Other information, that can be important. 2. Why those stitching symbols so important are?
<p>Explanation for the students at the start</p>	<ol style="list-style-type: none"> 1. Correct stitching symbol and stitching type a quite important, because of this depends health and life of other people. 2. If You can not read the drawing – how can be sure, that You can do you job correctly? 3. Information has to be simple and clear not only for you, but also for you colleagues. 4. Good documenting – good planning – good and quality job! 5. Quality job – reputation – money!
<p>Task description for the students</p>	<ol style="list-style-type: none"> 1. Open drawing file. Become familiar with that. 2. Find out yours ID exercise. 3. Get the pre-printed task sheet for fulfilling using pen or pencil. <ol style="list-style-type: none"> 3.1. Read the task sheet. 3.2. Start fulfilling using pen or pencil step-by-step according to text on task sheet. 4. Fill the administrative form at the top of the page. 5. Open pre-given drawing file. 6. Find out on the drawing, what side from stitching made is? Write it down 7. Find out on the drawing, what correct welding symbol for this stitching is? Write it down, draw it down. 8. If there is some additional information for the stitching, write it down. 9. Write down clear and reasoned explanation using your own words, why your chosen stitching symbol is correct? 10. Prove your choice of stitching symbol by using some learning materials. Find corresponding part (place) from educational materials, write down source of proof. 11. Now open the pre-given digital task sheet – there you should type in information, that wrote on the paper before.



	<p>12. Fill the administrative form at the top of the page.</p> <p>12.1. Completed document can be longer than one page.</p> <p>12.2. Use quick save every 5-7 to prevent information losses.</p> <p>12.3. Type reply into dashed box.</p> <p>13. Type in stitching side description.</p> <p>14. Type in description of stitching type – weld-symbol description.</p> <p>15. Type in any additional information about welding.</p> <p>16. Type in explanation, why your answer is correct.</p> <p>17. Give a proof using learning materials, that your chosen symbol is correct.</p> <p>18. Save you document in text processor as a *.pdf.</p> <p>19. Create correct welding symbol for your drawing case.</p> <p>20. Save drawing as a *.pdf.</p>
Additional activities for the students	-
Extra resources for learners	-
Self-reflection for students	Share or write down individually which knowledge-experiences will support you in the future.
Feedback on the solution (if applicable) / Possibility to check	Feedback from students and the teacher on the entire process.



Additional material:

Weld stitching explanation form (writing)

Student worksheet (student may ask for additional paper)

Student name:

Date:

Class:

Exercise ID:

Teacher:

Work instructions – first fill out on paper.

1. Finding out correct drawing:

1.1. Open pre-given drawing file.

1.2. Find out exactly Yours ID exercise..

2. Look over the pre-given drawing of the stitching. On the line below, write what the properties of this stitching:

2.1. What side from stitching is made?

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2.2. What type of stitching is? (symbol):

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2.3. Additional information about stitching:

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3. Write down explanation, why exactly this symbol is correct.

3.1. Explain using own words: You have to create explanation, that is good enough for other person to understand why exactly your answer is correct

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3.2. Use an extract from the study book as a proof - give a reference to a specific place in the educational material (lecture notes, textbook, digital material – page, paragraph etc) where this topic is explained.

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4. Now You can start fulfilling this explanation in computer using pre-given digital form in text processing software.



Weld stitching explanation form (typing)

Student worksheet

Student
name:

Date:

Class:

Exercise ID:

Teacher:

Work instructions: fulfill pregiven file – present

5. Fulfilling this file use preparation, you have made on paper:
 - 5.1. It is OK, if document takes more, than one page.
 - 5.2. During fulfilling present document use Quick Save every 5-7 min.
6. Type your answer inside dashed boxes.
7. What the properties of this stitching are? :
 - 7.1. What side from stitching is made?

7.2. What type of stitching is? (symbols description):

7.3. Additional information about stitching:

8. Write down explanation, why exactly this symbol is correct.
 - 8.1. Explain using own words: You have to create explanation, that is good enough for other person to understand why exactly your answer is correct

8.2. Use an extract from the study book as a proof - give a reference to a specific place in the educational material (lecture notes, textbook, digital material – page, paragraph etc) where this topic is explained.

9. Now You start creating and placing weld stitching symbol in digital drawing according of its properties.
10. Save present Document as a *.PDF