

Unit 211: Set up and operate a circular saw

Sample lesson plan 1

Teacher: **Course number:** _____ **Course title:** _____

Tutor's name: _____ **Date:** _____ **Time:** _____ **Lesson length:** 3 hours **Room:** _____

Lesson topic: (based on session 1 of the sample scheme of work) Introduction to parts of circular sawing machines and the importance of dust collection.

Aims: 1. State current legislation applicable to circular saws. 2. Identify components of a circular saw. 3. State potential faults in relation to circular saws. 4. Describe the procedure to follow on identification of faults.	Learning outcomes: To enable learners to understand: 1. current legislation and its impact on circular saws. 2. the parts of circular saws and the impact they have on safe use. 3. how to recognise faults and action to take when discovered. 4. the procedure to be taken upon discovering faults.
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Timing (mins)	Work to be covered	Teaching activity/assessment	Learner activity	Resources
5	Register and welcome	Take register.		

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Timing (mins)	Work to be covered	Teaching activity/assessment	Learner activity	Resources
10	Aims and objectives	Discuss the aims and objectives for the lesson. Link to previous experience any learners may have and relate to work activities learners will undertake.	Q&A	Interactive whiteboard
60	Health and safety regulations covering sawing machines and their impact on working practices.	Discuss impact of regulations, accidents at machines and improved guarding.	Q&A Video on using a circular rip saw http://www.hse.gov.uk/woodworking/ripsaw.htm Video on using a crosscut saw http://www.hse.gov.uk/woodworking/crosscut.htm	Link to ACoP http://www.hse.gov.uk/pubns/priced/l114.pdf Worksheet 2 Wordsearch activity 9 Crossword activity 12 True or false activity 13 Word bank activity 14
30	Small group discussions on dust gathering at circular saws and safety aids required of different types of activities. Learner lead general discussion around learner thoughts.	Moving between groups helping with discussion.	- Learners to prepare a few brief notes in small group discussions on the possible implications of not following health and safety regulations. - Share these ideas in a whole group discussion. - List top 5 reasons for following health and safety regulations.	

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Timing (mins)	Work to be covered	Teaching activity/assessment	Learner activity	Resources
50	Identify types of machines, their parts, uses and likely faults.	Using PowerPoint presentation 1 showing part of a saw.	Q&A Drag and drop 1	Handout 1 Worksheet 1 PowerPoint 1 Drag and drop activity 1 Hot spot activity 3 True or false activity 5 Wordsearch activity 7 Crossword activity 11 Word bank activity 16
15	Small group discussions on requirements of the riving knife and why required. Learner lead general discussion around learner thoughts.	Moving between groups helping with discussion	Learners to prepare notes in small group discussions on the riving knife and then share these ideas in a whole group discussion.	
10	Close session	Q&A session linking into lesson aims		
How is learning to be measured:				

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Timing (mins)	Work to be covered	Teaching activity/assessment	Learner activity	Resources
Homework/research work:				
Lesson evaluation (Delete as appropriate)		- Was the lesson better than expected - As expected - Worse than expected		
Suggestions/modifications for next lessons				

Lesson evaluation/comments: