

Learning Aid: Common Welding Joints Kit

Recommended Lesson: *Lesson 3: Welding Techniques*

Required Materials:

- Common Welding Joints Kit
- *Common Welding Joints Flashcards*
- *Weld Parts Guide*
- *Weld Position Guide*
- *Welding Basics* slide presentation (printed out)
- *Welding Basics Student Notes Sheet*
- *Welding Basics Fact Sheet*
- *Welding Basics Quiz*

Steps:

FOCUS:

1. Display the Common Welding Joints Kit on a table to be used for this learning experience. Use the welds throughout this whole station.
2. After you have looked at each the common joints, go through *Weld Parts Guide* and *Weld Positions Guide*. Read over each guide as it will help to understand the different weld techniques and important parts of welding.
3. Jot down on a piece of paper and/or notes your thoughts on the following questions:
 - a. What makes a good weld versus a poor weld?
 - b. What would be most difficult to weld based on the positions guide?
 - c. What weld positions may be most difficult while referencing the *Weld Positions Guide*?
4. Keep your answers to reflect on after you are done with the station.

LEARN:

1. Review the *Welding Basics* slide presentation for viewing. Use the information on the slide presentation as you read through the notes sheet.
2. Use the *Welding Basics Fact Sheet* if you have any questions that you are not able to fill in for the Student Notes Sheet.

REVIEW:

1. Go back to your original answers to the question, "What makes a good weld versus a poor weld?" How did your answers compare to what you learned during the lesson? What would you write differently now that you know about welding common joints. Take a few minutes to revise those original thoughts.
2. Take the *Welding Basics Quiz*. This will take about 5-15 minutes to answer based on what you have learned from the lesson.