



# Arc and Gas Welding Theory (HAG1361B)

## NDCDE Resources

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[Welcome: Start Here!](#)

## [Welcome to Arc and Gas Welding!](#)

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[Welcome to Arc and Gas Welding Theory!](#)

## Arc Welding Safety

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[Arc Welding Safety Study Guide](#)

[Arc Welding Safety E-Chapter](#)

[Arc Welding Safety Crossword](#)

[Welding Safety Assignment](#)

## Principles of Arc Welding

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[Principles of Arc Welding Study Guide](#)

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[Welding Tools PowerPoint](#)

[Principles of Arc Welding Crossword](#)

[Tool ID - Metal Working-Animated](#)

[Welding Processes Video](#)

[Arc Welding Basics Video](#)

[Principles of Arc Welding](#)

[Principles of Arc Welding Assignment](#)

## Selecting Electrodes

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[Selecting Electrodes Study Guide](#)

[Selecting Electrodes E-Chapter](#)

[Selecting Electrodes Crossword](#)

[Stick Selection Welding Guide](#)

[Electrode Chart](#)

[Choosing Your Electrode Video](#)

[How to choose the correct amperage for Stick Welding Video](#)

[Selecting Electrodes Quiz](#)

## Striking an Arc

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[Unit Striking An Arc Study Guide](#)

[Striking an Arc E-Chapter](#)

[Striking an Arc Crossword](#)

[Striking an Arc Video](#)

[Common Beginners Mistakes when Arc Welding](#)

[Striking an Arc Quiz](#)

## Welding Mild Steel

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Welding Mild Steel Study Guide  
Welding Mild Steel E-chapter  
Welding Mild Steel Crossword  
VARIOUS WELDS EXPLAINED VIDEO  
Stick Welding Demo  
Stick Welding Tips  
MIG Welding Demo PT 1  
MIG Welding PT 2  
Joint Prep and Beveling  
Mild Steel Welding Assignment

## Evaluating Welds

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Evaluating Welds Study Guide  
Evaluating Welds E-Chapter  
Welding Problems and Solutions  
Examples of Good and Bad Stick Welds  
Examples of good and bad MIG welds.  
Welding Discontinuities  
Welding Errors  
How To Perform & Analyze A Bend Test  
Bead Quality Quiz

## Mid Term Exam

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Mid Term Exam

## MIG Welding

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MIG Welding Study Guide  
MIG Welding E-Chapter  
MIG Welding Procedures  
Welding Discontinuities  
Miller Basic Mig  
GMAW MIG Welding Video  
MIG Welding Assigment

## TIG Welding

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TIG Welding Study Guide  
TIG Welding E-Chapter  
TIG Welding Crossword  
TIG Welding Tips  
Advantages and Disadvantages of TIG Welding  
TIG Welding Tips and Techniques Video  
TIPS FOR TIG WELDING ON STAINLESS STEEL  
TIG IT: How a TIG Welder Works and When to TIG Weld  
TIG Welding Technique - Walking the Cup  
TIG Quiz

## Gas Welding Safety

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Gas Welding Safety Study Guide  
Gas Welding Safety E-Chapter  
Welding Safety Tips  
Safety in Welding and Cutting Operations  
GENERAL WELDING AND CUTTING GUIDELINES  
Basic Oxygen Acetylene Gas Welding Video  
Safe Welding and Cutting with Oxy-Fuel Video

Gas Welding Safety Assignment

## Acetylene Equipment

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Acetylene Equipment Study Guide

Acetylene Equipment E-Chapter

Acetylene Equipment Crossword

THE BEGINNERS GUIDE TO OXY-ACETYLENE WELDING EQUIPMENT

Oxygen And Acetylene Use And Safety PPT

Acetylene Safety doc

Oxyacetylene welding, cutting and heating Health, safety and accident prevention

Acetylene Equipment Assignment

## Fusion and Filler Rod Welds

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Fusion and Filler Rod Welds Study Guide

Fusion and Filler Rod Welds E-Chapter

Fusion and Filler Rod Welds Crossword

Fusion Welding Video

Controlling the filler rod video

Oxy-Acetylene Welding Video

Fusion and Filler Rod Quiz

## Brazing

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Brazing Study Guide

Brazing E-Chapter

Brazing Crossword

Brazing Video

Brazing Assignment

## Cutting with Oxyfuel

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Cutting with Oxy Fuel Study Guide

Cutting with Oxyfuel E-Chapter

Cutting with Oxyfuel Crossword

Oxy Fuel Cutting Basics

Cutting with Oxyfuel Assignment

## FINAL EXAM

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Final Exam

## End of Course Survey

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End of Course Survey