

# Unit 3 Mitered Keepsake Box

Content Area: **21st Century Life & Careers**  
Course(s): **Woodworking 2/3**  
Time Period: **Marking Period 1**  
Length: **8 Weeks**  
Status: **Published**

## Unit Introduction

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## Standards

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9.3.12.AC.2	Use architecture and construction skills to create and manage a project.
9.3.12.AC.6	Read, interpret and use technical drawings, documents and specifications to plan a project.
9.3.12.AC-CST.5	Apply practices and procedures required to maintain jobsite safety.
9.3.12.AC-CST.8	Demonstrate the construction crafts required for each phase of a construction project.
9.3.12.AC-CST.9	Safely use and maintain appropriate tools, machinery, equipment and resources to accomplish construction project goals.
ARCH.9-12.9.4.12.B.(2).17	Use craft skills to meet or exceed teacher and/or employer expectations.
ARCH.9-12.9.4.12.B.(3).3	Apply construction skills when completing classroom projects and/or repairing, restoring, or renovating existing worksite structures to ensure long-term use of buildings and structures.
STEM.9-12.9.4.12.O.38	Demonstrate knowledge of personal and jobsite safety rules and regulations to maintain safe and healthful working conditions and environments.
STEM.9-12.9.4.12.O.55	Identify and demonstrate positive work behaviors and personal qualities needed to succeed.
STEM.9-12.9.4.12.O.68	Employ planning and time management skills and tools to enhance results and complete work tasks.
TECH.8.2.12.C.5	Create scaled engineering drawings of products both manually and digitally with materials and measurements labeled.

## Essential Questions

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How do you create a spline miter joint?

Why is it important to understand expansion and contraction?

## Content / Skills

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Rough layout of parts

Milling lumber

Joinery layout procedures

Joinery - miters, splines

Proper gluing techniques

Frame and panel construction

Working with hinges

Sanding

Finishing

Adding details with the router and table saw.