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| **Woodworking 1B: Machinery & Methods**  |

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| **Learning Plan**   |

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| **Module 11.1: Routers** |

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| ***Overview***  |
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| Portable routers are widely used for shaping the surfaces and edges of stock, and for creating joinery. The router is a versatile tool capable of making internal cutouts, trimming overlays, and doing specialized contouring on wood and composite materials. Mounted in a table, it offers additional stability and efficiency.

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| **Task** | **Estimated Time** | **Actual Time** |
| Reading/Study | 1 hour |  |
| Observation & Practice | 3.5 hours |  |
| Exercise | 3 hours |  |

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| ***Learning Activities***

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* Read ***Modern Cabinetmaking*** ***(6th edition)*** pp. 475-83
* Listen to the presentation “Portable Routers”
* Review Info Sheet 1, "Safety Rules for Routers"
* Observe a demonstration by your instructor on Portable Routers
* Watch the MicroFence videos on your own or as a class (Link on Blackboard)
* Review Information sheet 2, "Router Edge Guide Instruction Sheet"
* Complete Skill Activity 1, "Router Bit Identification"
* Complete Skill Activity 2, "Parts and Adjustments of Portable Routers"
* Review Information Sheet 3, "Template Guides and Pattern Bits"
* Observe a demonstration by your instructor on using a table mounted router <and/or> watch the videos of the demonstration: [Demo Video – Part A](https://madisoncollege.yuja.com/V/Video?v=1381956&node=5140055&a=649298299&autoplay=1) (15:23)

[Demo Video – Part B](https://madisoncollege.yuja.com/V/Video?v=1382016&node=5140154&a=1007956350&autoplay=1) (12:11)* Review the [Portable Router Checklist Video](https://madisoncollege.yuja.com/V/Video?v=1377381&node=5130651&a=1259154101&autoplay=1) (13:28)
* Complete the "Portable Router Demonstration Checklist" with your instructor or an approved proxy.
* Apply principles by completing Exercise 11.1, "Using a Portable Router"
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| ***Assessment Activities***  |
| * Self-evaluate and submit with learning plan.
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