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| |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | | **Woodworking 1B: Machinery & Methods** |  |  | | --- | | **Learning Plan** |  |  | | --- | | **Module 11.1: Routers** | | |

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

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| ***Learning Activities***   |  | | --- | |  |   ✓ **Task** |  | | |
| |  |  | | --- | --- | | |  | | --- | |  |  * 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. |  |