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

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| **Learning Plan**  |

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| **Module 3.1: Jointer**  |

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| ***Overview***  |
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| Jointing means planing the edge of a board straight, square and true, and was traditionally done with a hand plane. In this Unit, you will use hand planes to straighten and smooth edges of wood, and power Jointers to do the same as well as smooth a single face of rough sawn lumber.

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| **Task** | **Estimated Time** | **Actual Time** |
| Reading/Study | 1.5 hours |  |
| Observation & Practice | 2 hours |  |
| Exercise | 1 hour |  |

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| ***Learning Activities***

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✓ **Task** |  |
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* Read ***Modern Cabinetmaking*** ***(6th edition)*** pp.437-46
* Review Information sheet 1, "Jointer Safety Rules"
* Watch: *Jointers: Parts & Safety* (9:18) <https://youtu.be/ob3V5SVrqAw>
* Complete Skill Activity 1, "Parts and Adjustments of a Jointer"
* Complete Skill Activity 2, "Jointer Table Alignment Procedure"
* Watch: Jointers: Face Jointing (5:18) <https://youtu.be/epapUVDIDf4>
* Read ***Modern Cabinetmaking*** pp.450-55, "Basic Maintenance of a Jointer"
* Watch: Jointer: Edge Jointing & Rabbeting (4:53) <https://youtu.be/9hAZpWsjUyo>
* Review Information sheet 2, "Grain Direction Diagram"
* Watch: Jointer: Beveling, Chamfering & Tapering (4:58) <https://youtu.be/sHuSht2EtsU>
* Watch the video of the [Jointer Demonstration Checklist](https://madisoncollege.yuja.com/V/Video?v=1352158&node=5063221&a=1923202331&autoplay=1) (16:27)
* Complete the *Jointer Demonstration Checklist* with your instructor or an approved proxy
* Practice adjusting and using a jointer
* Complete Exercise 3.1, "Using a Jointer"
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| ***Assessment Activities***  |
| * Self-evaluate and submit with learning plan.
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