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| **Woodworking 2: Materials & Processes** |

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| **Learning Plan**   |

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| **Module 6: Fixed Spindle Shaper** |

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| ***Overview***  |
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| Shaping is the process of making contoured surfaces and edges for decorative purposes or for joinery. This relatively simple machine can do a wide variety of operations depending on the kinds of cutters available. While shapers have a reputation for being notoriously dangerous machines, proper setup and careful use can reduce these dangers considerably.

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| **Task** | **Estimated Time** | **Actual Time** |
| Reading/Study | 2 hours |  |
| Observation & Practice | 2 hours |  |
| Exercise | 3.5 hours |  |

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| ***Learning Activities***

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* Read ***Modern Cabinetmaking (6th edition)*** pp. 463-72
* View the video, "Shaper Intro" <https://youtu.be/T4H9atI_JYk>
* Review Info Sheet 1, "Safety Rules for the Shaper"
* View the video, “Shaper: Parts & Safety” <https://youtu.be/3x49k1k2vjk>
* Complete Skill Activity 1, “Parts and Adjustments of a Fixed-Spindle Shaper"
* View the video, "Shaper: Tooling & Accessories" <https://youtu.be/y6kQKVI6l84>
* View the video, “Setting up and Making Adjustments” <https://youtu.be/QNgrd5NYwDo>
* Participate in a demonstration with your instructor on a Fixed Spindle Shaper
* View the video, “Shaper Operations” <https://youtu.be/ifYuumL0k8E>
* Complete the "Demonstration Checklist" with your instructor or an approved proxy.
* Apply principles by completing Exercise 6.1, "Shaper Setup" with a partner
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| ***Assessment Activities***  |
| * Self-evaluate and submit with learning plan. (Note: each learner submits his/her own exercise).
* Complete the test online.
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