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| |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | | **Woodworking 1A: Machinery & Methods** |  |  | | --- | | **Learning Plan** |  |  | | --- | | **Unit 1.1: Measurement** | | |

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| ***Overview*** |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | In many trades, especially the woodworking trades, much of the skill of the "skilled worker" is the ability to use measuring and layout tools with precision and accuracy. Woodworkers spend a large part of their time making measurements and calculations. This will often involve both U.S. Customary and metric systems of measurement. This module you will test your ability to read a ruler and add measurements.   |  |  |  | | --- | --- | --- | | **Task** | **Estimated Time** | **Actual Time** | | Reading/Study | 1.5 hours |  | | Observation & Practice | 2.5 hours |  | | Exercise | 1 hour |  | | | |

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| ***Learning Activities***   |  | | --- | |  |   ✓ **Task** |  | | |
| |  | | --- | | * Read ***Modern Cabinetmaking*** ***(6th edition)*** pp. 160-66 * Review the presentation *Measurement for Woodworkers* on Blackboard or with your instructor. * Read Information sheet 1, "Goals in Measurement" * Review Information sheet 2, "Scale Markings – U.S. Customary System" * Watch the video *Tape Measures: Care & Use* <https://youtu.be/QL2ul777qXw> * Review videos (if needed):   + - [Adding Fractions](https://madisoncollege.yuja.com/V/Video?v=1373748&node=5122329&a=1627307459&autoplay=1) (5:27)     - [The Super Inch – Part A](https://madisoncollege.yuja.com/V/Video?v=1370549&a=106116780) (3:57)     - [The Super Inch – Part B](https://madisoncollege.yuja.com/V/Video?v=1370720&a=1285994239) (5:33) * Print & complete Skill Activity 1, "Measuring with a rule"; check your answers and consult with your instructor if you have questions. * Review the presentation *Measuring with Slide Calipers* on Blackboard or with your instructor. * Watch the video *Slide Calipers: Care & Use* <https://youtu.be/D-FIY1K2Azo> * Review Information sheet 4 on Caliper Use * Practice measuring with a calipers * Complete the test on Measurement * Complete Exercise 1.1 – Measurement Widget (Note: You need to be able to measure angles for this activity. This skill is covered in Module 1.2) | |  | |  |  |  |

***Assessment Activities***

* Test: Measurement
* Submit Exercise 1.1 for review