

Assessment, Improvement, Measurement (AIM) Report: 10/04/2013**Plan Year:** 2012-2013**Unit:** Construction Technology**Coordinator(s):** Claude Gross**Reviewer:** William Franklin

Objective or Outcome	Measure(s)				
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps
Students will be able to construct the individual components necessary to assemble a residential structure with focus on the selection of lumber, recognizing the strength patterns and the overall quality of the lumber.	Graded assignments of proper lumber identification and selection will be used.	80% of the students receiving a satisfactory level of performance on lumber selection and identification.	Over 80% were able to select and properly identify five of the most common wood species used in construction. I have some forestry background and my family always had a sawmill, therefore I teach wood identification. I really feel it's necessary for students that enter the workforce be able to know the proper wood species that should be selected to do a certain job.	Met	Overall results were satisfactory however each group of students are somewhat different so I plan on making sure I really teach and students understand the importance of gaining the knowledge. I also try to relate wood species to a product that is made from that type wood .Example--Ash is what the Louisville slugger baseball bat is made from, it is also widely available in KY. We have assessed this for the last two years with satisfactory results. In 2013-2014 we will assess another program outcome: Utilize and maintain commonly used hand and power tools.
Students will be able to demonstrate an understanding of safe practices as they relate to OSHA regulations for scaffold safety.	OSHA 10 certification and class exam on scaffold safety and safety procedures for the use of guard rails.	80% of graduates will receive certification and successful completion of scaffold safety exam.	Better than 90% of students enrolled in the OSHA safety class completed all assignments and obtained specific training on scaffolding all were successful in passing the scaffold exam.	Met	Results were satisfactory however new methods of scaffold are being introduced to the market daily. I plan on using instructor PD to make sure I am up to date on any industry changes. Changes and updates to scaffolds

					and scaffold safety will be incorporated into lesson plans and curriculum. In addition, I will offer a refresher course as needed.
Students will demonstrate critical thinking and problem solving skills within construction technology.	rubric to assess students' knowledge and problem solving skills in developing a roof plan. The drawing of the roof plan will include measures with roof pitches that allows an offset position. .	85% of the students will receive a 3 or higher on the 5 point rubric.	All students were able to understand the concept of an offset roof position. Better than 80% were initially successful in scoring a 3 or higher on the actual drawing of the roof design. Better than 90 % were successful after extra homework time.	Met	Roof framing and design are and will continue to be a challenge for even the experienced. I plan to continue introducing each future group to a variety of teaching methods on roof frame and design. I feel it is a subject matter that may have to be taught in a variety of ways in order to achieve an overall success rate. And challenge, challenge, challenge each student.