

**Achieving the Dream: Mathematics Initiative Logic Model**  
**27 September 2010**

Baseline F04-Su07 Int. Algebra Success Rate (Grades A-C): 43.85 percent  
 Projected F08-Sp10 Int. Algebra Success Rate for both piloted deliveries: 49 percent  
*Actual F08-Sp10 Int. Algebra Success Rate for piloted deliveries: 53.10 percent*  
 Projected F10-Sp12 Int. Algebra Success Rate for new delivery or deliveries: 54 percent

<b>Work Plan</b>	<b>Sub steps remaining</b>	<b>Evaluation Questions</b>	<b>Anticipated Outcomes</b>	<b>Estimated Expenses</b>	<b>Next Steps</b>
1.1 Monitor retention and success rates in IA Math Lab to determine effects of curriculum mapping.	1.1a – Collect IA data from fall 2010/Spring 2011 to compare with 2009-2010 data.  1.1b – Meet with TC to determine next steps.	What affect (if any) did the curriculum mapping have on IA retention/success rates?	We feel our retention/success rates will improve as a result of our curriculum changes; specifically because of our streamlining of information.	\$0.00	
1.2 Work with Josh Holiman who will be administering all COMPASS posttests to IA students. Monitor effects of curriculum mapping on COMPASS scores.	1.2a – Contact instructors regarding new COMPASS testing policy.  1.2b – Work with Josh in Dec/Jan to get COMPASS results for fall 2010 IA completers.	What affect (if any) did the curriculum mapping have on COMPASS posttest scores?	We anticipate a higher posttest score on the COMPASS exam by our math lab students as a result of our curriculum mapping.	\$500	This is an ongoing action that is going to be important information not only to AtD but concerning ACT 971 as well.

<p>1.3 Implement alternative delivery methods-(1) extended session Math Lab (2) traditional classroom</p>	<p>1.3a – Extended Session Math Lab (3 sections)</p> <p>1.3b – Traditional Classroom (1 section)</p>	<p>Do students in these sections continue to succeed in IA at a higher rate than regular math lab delivery?</p>	<p>Students will succeed at the same rate or higher than regular math lab students.</p>	<p>\$1,500.00/ Sem (10/11)</p> <p>\$1,600.00/ Sem (10/11)</p>	<p>Only charging AtD for the “extra” time at \$500 per class.</p> <p>Charging AtD for the entire cost of class.</p>
<p>1.4 Gather and analyze data to assess results- (specifically success and retention rates as well as success in subsequent CA and student comments on evaluations for each method)</p>	<p>1.4a – Work with Kee to track students’ success in CA by IA delivery method.</p> <p>1.4b – Administer course evaluations</p> <p>1.4c – Gather data on success rates for comparison</p> <p>1.4d – Share data with instructors</p> <p>1.4e – Monitor and adjust</p>	<p>Are the success rates in CA significantly different based on IA delivery method?</p> <p>What are the differences in student’s likes and dislikes based on delivery method?</p>	<p>We anticipate success rates in CA for students in alternate delivery methods of IA to be as good as or better than regular math lab students.</p> <p>We expect COMPASS scores in math lab classes to be better than traditional in-class delivery method.</p>	<p>Costs for data gathering already included in Kee’s salary.</p>	<p>Meet with Josh regarding IA COMPASS testing.</p> <p>Administer course evaluations.</p> <p>Gather data.</p> <p>Share data with math faculty for analysis.</p> <p>Share findings with the College.</p>
<p>1.5 Work with TC to develop a common final exam for College Algebra.</p>	<p>1.5a – Collect Final Exams from all CA instructors. (F10)</p> <p>1.5b – Match exam questions to course outcomes. (F10)</p>	<p>Are our CA students achieving our goals in demonstrating acquisition of course outcomes?</p>	<p>Students will indicate achievement in most outcomes. However, there will be a few that indicate a need for greater emphasis.</p>	<p>None.</p>	<p>Implement CA common final exam in the Spring semester of 2011.</p>

	<p>1.5c – Distribute list of questions/outcomes to CA faculty. (F10)</p> <p>1.5d – Develop CA Final Exam and use it as a trial run for on-campus CA classes. (F10)</p>	<p>Are there any differences in on-campus and concurrent?</p>	<p>Concurrent students will perform, as a whole, better than on-campus students.</p>		
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F08-Sp09 Int. Algebra Success Rate for Lecture pilot: 51.72 percent

F08-Sp09 Int. Algebra Success Rate for Extended Math Lab pilot: 38.89 percent

F08-Sp09 Int. Algebra Success Rate for combined Lecture and Lab pilots: 46.81 percent

F08-Sp09 Int. Algebra Success Rate for non-pilot, math lab classes: 42.47 percent

*Note: Data sets for 2008-09 pilots are too small to draw concrete conclusions.*

F09-Sp10 Int. Algebra Success Rate for Lecture pilot: 58.82 percent

F09-Sp10 Int. Algebra Success Rate for Extended Math Lab pilot: 66.67 percent

F09 Int. Algebra Success Rate for Hybrid Lecture/Lab pilot (was not offered Sp10): 30.77 percent

F09-Sp10 Int. Algebra Success Rate for all pilots: 57.58 percent

*(Note: without the Lecture/Lab Hybrid pilot, the success rate for piloted deliveries would be 64.15 percent)*

F09-Sp10 Int. Algebra Success Rate for non-pilot, math lab classes: 58.87 percent

F08-Sp10 Int. Algebra Success Rate for Lecture pilot: 54.35 percent

F08-Sp10 Int. Algebra Success Rate for Extended Math Lab pilot: 57.41 percent

F09 Int. Algebra Success Rate for Hybrid Lecture/Lab pilot (offered only Fall 2009): 30.77 percent

F08-Sp10 Int. Algebra Success Rate for all pilots: 53.10 percent

*(Note: without the Lecture/Lab Hybrid pilot, the success rate for piloted deliveries would be 56.00 percent)*

F08-Sp10 Int. Algebra Success Rate for non-pilot, math lab classes: 51.35 percent