

Two Days. Ten Sessions. Real Learning.

Managing and Repurposing Learning Content: Proven Strategies and Techniques

August 14 & 15, 2014

601

Automating ADDIE? We're Not That Far Away!

Robby Robson, Eduworks Corporation



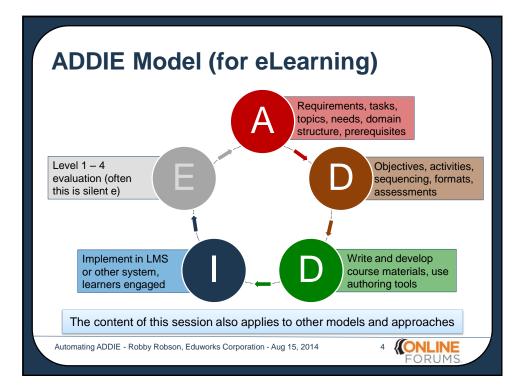






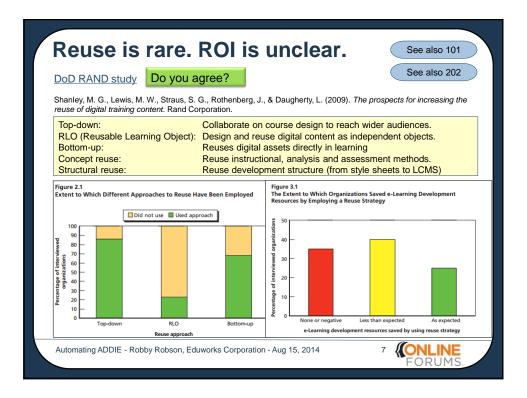






Task	ADDIE	% of Total	Hours Required	
		Effort	Level 1 -	Level 3
ront End Analysis	Α	11%	10	40
nstructional Design	D	13%	10	60
toryboarding	D	11%	10	50
Iultimedia Production	D	23%	20	120
uthoring/Programming	D	18%	15	85
A Testing	I(E)	6%	5	30
roject Management		6%	5	30
ME/Stakeholder Reviews	ADD	6%	5	30
lot Test	DI	4%	5	20
other	(E)	2%	1	2
OTAL		100%	80	500
ource: http://www.chapmanallian		owlong/ ers refer to pr	evious ses	sions

	Bloom's Two Sigma Problem	
Object of Change	Altered Variable	Effect Size
Teacher	Tutorial Instruction	2.0
Teacher	Reinforcement	1.2
Learner	Feedback-corrective (Mastery Learning)	1.0
Teacher	Cues and explanations	1.0
Teacher, Learner	Student (classroom) participation	1.0
Learner	Student time on task	1.0
Learner	Improved reading/study skills	1.0
Peer Group	Cooperative Learning	0.8
Teacher	Graded homework	0.8
Learner	Initial cognitive prerequisites	0.6
	an Educational Psychologist (1913 - 1999) best known fo f educational objectives: the classification of educational ning for Mastery, 1968)	





Opportunities to save time

Task	Effort	Opportunities		
Front End Analysis	11%	Reuse analysis from source materials		
Instructional Design	13%	Reuse instructional design from source materials		
Storyboarding	11%	Eliminate by use of templates		
Multimedia Production	23%	Extract multimedia from source materials		
Authoring/Programming	18%	Leverage templates and existing infrastructure		
QA Testing	6%	QA should increase, not decrease*		
Project Management	6%	Less time on project = less project management		
SME/Stakeholder Reviews	6%	Rely on existing input inherent in source materials		
Pilot Test	4%	Reduce testing through better QA		
Other	2%	N/A		
TOTAL	100%	Many opportunities to save time – <u>if only we</u> <u>could extract analysis, design and content from</u> <u>source materials and use them in development</u> and implementation process.		

*QA should be integrated into entire process. 6% is VERY low. Quality upfront translates into large savings later.

Automating ADDIE - Robby Robson, Eduworks Corporation - Aug 15, 2014

