

### **Feedback**

Very high impact for very low cost based on extensive evidence

Feedback is information given to the learner about the learner's performance relative to learning goals or outcomes.

Implementation cost

**Evidence strength** 

Impact (months)







#### Subject breakdown

maths: 22 reading: 56 toolkit: 155

### School phase breakdown

primary: 83 secondary: 71 toolkit: 155

## **Technical Appendix**

The criteria used to judge the inclusion of studies in the Toolkit are:

- The population sampled involved early years and school age learners from 3-18 learning in their first language.
- The intervention or approach being tested was educational in nature, including named or clearly defined programmes and
  recognisable approaches classifiable according to the Toolkit strand definitions (e.g. peer tutoring or small group
  teaching). The intervention or approach is undertaken in a normal educational setting or environment for the learners
  involved, such as a nursery or school or a typical setting (e.g. an outdoor field centre or museum).
- A valid comparison was made between those receiving the educational intervention or approach and those not receiving
   it
- Outcomes include the assessment of educational or cognitive achievement which reports quantitative results from testing
  of attainment or learning outcomes, such as by standardised tests or other appropriate curriculum assessments or school
  examinations or appropriate cognitive measures.
- The study design provided a quantitative estimate of the impact of the intervention or approach on the educational
  attainment of the sample, calculated or estimated in the form of an effect size (standardised mean difference) based on a
  counterfactual comparison.

Standardised mean differences and confidence intervals for the most appropriate estimates of the impact of the intervention or approach for the Toolkit were extracted from each included study, along with other study variables. These effect sizes were further synthesised into a single pooled effect using a random effects meta-analysis adopting a restricted maximum likelihood (REML) estimation methods. For the full details of the methodology see the <a href="Protocol and Analysis Plan">Protocol and Analysis Plan</a> (https://educationendowmentfoundation.org.uk/public/files/Toolkit/EEF\_Evidence\_Database\_Protocol\_and\_Analysis\_Plan\_June2019.pdf)

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# References (155)

The forest plot below is a graphical representation of the results of all included studies in this Toolkit strand. It shows the effect size and confidence interval of each study, and whether the particular intervention in that study was more or less effective than standard practice or other alternative interventions that the study looked at.

Studies that show an effect size result on the right-hand side of the red vertical red indicate that the particular intervention studied was more effective than standard practice. Studies that show an effect size on the left-hand size of the red vertical indicate that the particular intervention studied was less effective than standard practice.

Author	Title	Effect Size Effect Size	Size (Gr	aph)				
Bohannon (1975)	Direct and daily measurement procedures in the identification and treatment of reading behaviours in children in special education (NA)	Effect Size: 2.75 LCI: 1.456 UCI: 4.044 Weight: 0.28 Standard error: 0.66	-4	-2	0	2	4	6
Bilsky (1978)	Facilitation of class-inclusion performance in low attaining adolescents: Feedback and strategy training (American Journal of Mental Deficiency)	Effect Size: 2.429 LCI: 1.634 UCI: 3.224 Weight: 0.486 Standard error: 0.406	-4	-2	0	2	4	6
Schunk (1993) 1_2	Goals and progress feedback: Effect on self-efficacy and writing achievement (Contemporary Educational Psychology)	Effect Size: 2.338 LCI: 1.145 UCI: 3.53 Weight: 0.312 Standard error: 0.608	-4	-2	0	2	4	6
Guastello (2001) FB	Parents as partners: Improving children's writing (Celebrating the Voices of Literacy: The Twenty-Third Yearbook of the College Reading Association: A Peer Reviewed Publication of the College Reading Association)	Effect Size: 2.18 LCI: 1.792 UCI: 2.568 Weight: 0.734 Standard error: 0.198	-4	-2	0	2	4	6
Tenenbaum (1986) FB	The Effect of Quality of Instruction on Higher and Lower Mental Processes and on the Prediction of Summative Achievement (The Journal of Educational Research)	Effect Size: 1.964 LCI: 1.526 UCI: 2.402 Weight: 0.703 Standard error: 0.224	-4	-2	0	2	4	6
Johansen (1983)	Effect of adaptive advisement on perception in linear- controlled, computer-based instruction using a rule-learning task. (Educational Communication and Technology Journal)	Effect Size: 1.716 LCI: 1.017 UCI: 2.415 Weight: 0.54 Standard error: 0.357	-4	-2	0	2	4	6



Author	Title	Effect Size	Effect S	ize (Gr	aph)			
Sonnenschein (1986)	Developing referential communication: Transfer across novel tasks (Bulletin of the Psychonomics Society)	Effect Size: 1.7 LCI: 0.72 UCI: 2.68 Weight: 0.395 Standard error: 0.5	-4	-2	0	2	4	6
Butler (1986) 1_1	Effects of no feedback, task-related comments, and grades on intrinsic motivation and performance (Journal of Educational Psychology)	Effect Size: 1.539 LCI: 1.198 UCI: 1.88 Weight: 0.761 Standard error: 0.174	-4	-2	0	2	4	6
Elawar (1985)	A Factorial Experiment in Teachers' Written Feedback on Student Homework: Changing Teacher Behavior a Little Rather Than a Lot (Journal of Educational Psychology)	Effect Size: 1.354 LCI: 1.117 UCI: 1.591 Weight: 0.815 Standard error: 0.121	-4	-2	0	2	4	6
Zimmerman (1977)	Teaching through demonstration. The effects of structuring, imitation and age (Journal of Educational Psychology)	Effect Size: 1.332 LCI: 0.027 UCI: 2.638 Weight: 0.277 Standard error: 0.666	-4	-2	0	2	4	6
Feng (1983) 1_1	The Effect of Three Different Kinds of Feedback: Hint, Correct Answer, and Right/Wrong. Working Paper No. 11 (NA)	Effect Size: 1.313 LCI: 0.371 UCI: 2.255 Weight: 0.412 Standard error: 0.481	-4	-2	<b>-</b>	2	4	6
Young (2000)	Enhancing student writing by teaching self-assessment strategies that incorporate the criteria of good writing (NA)	Effect Size: 1.281 LCI: 0.941 UCI: 1.621 Weight: 0.762 Standard error: 0.174	-4	-2	0	2	4	6
Butler (1987) 1_1	Task-involving and ego-involving properties of evaluation: Effects of different feedback conditions on motivational perceptions, interest, and performance (Journal of Educational Psychology)	Effect Size: 1.268 LCI: 0.817 UCI: 1.719 Weight: 0.695 Standard error: 0.23	-4	-2	0	2	4	6
Paquette (2009) 1_2	Integrating the 6 + 1 writing traits model with cross-age tutoring: An investigation of elementary students' writing development (Literacy Research and Instruction)	Effect Size: 1.268 LCI: 0.656 UCI: 1.88 Weight: 0.593 Standard error: 0.312	-4	-2	0	2	4	6
Khine (1996) FB 1_1	The Interaction of Cognitive Styles with Varying Levels of Feedback in Multimedia Presentation (International Journal of Instructional Media)	Effect Size: 1.211 LCI: 0.695 UCI: 1.727 Weight: 0.654 Standard error: 0.263	-4	-2	0	2	4	6



Author	Title	Effect Size	Effect Size (	Graph)			
Haring (1975)	Evaluation of a program of systematic instructional procedures for extremely poor low attainers (American Journal of Mental Deficiency)	Effect Size: 1.157 LCI: 0.574 UCI: 1.74	-4 -2	-	2	4	6
	( mencar courter of mental beholder)	Weight: 0.611 Standard error: 0.297		Ü	-	,	
Anderson (1973)	Time and school learning (NA)	Effect Size: 1.155 LCI: 0.702		1 1			
		UCI: 1.607 Weight: 0.694 Standard error: 0.231	-4 -2	0	2	4	6
Butler (1986) 1_2	Effects of no feedback, task-related comments, and grades on intrinsic motivation and performance	Effect Size: 1.118 LCI: 0.798		1.1	1		
	(Journal of Educational Psychology)	UCI: 1.439 Weight: 0.773 Standard error: 0.164	-4 -2	0	2	4	6
MacArthur (1991)	Effects of a reciprocal peer revision strategy in special educational classrooms	Effect Size: 1.059 LCI: 0.271		IH	-		
	(Learning Disabilities Research)	UCI: 1.847 Weight: 0.489 Standard error: 0.402	-4 -2	0	2	4	6
Brandstetter (1978) 1_1	Charting scores in precision teaching for skill acquisition (Exceptional Children)	Effect Size: 1.022 LCI: 0.234		IH	-		
· · · / _		UCI: 1.809 Weight: 0.49 Standard error: 0.402	-4 -2	0	2	4	6
Schunk (1993) 1_1	Goals and progress feedback: Effect on self-efficacy and writing achievement	Effect Size: 1.011 LCI: 0.245		IΗ	-		
	(Contemporary Educational Psychology)	UCI: 1.778 Weight: 0.501 Standard error: 0.391	-4 -2	0	2	4	6
Perkins (1988)	Feedback effects on oral reading errors of children with learning disabilities	Effect Size: 1.008 LCI: 0.404		14	- :		
	(Journal of Learning Disabilities)	UCI: 1.611 Weight: 0.598 Standard error: 0.308	-4 -2	0	2	4	6
Schunk (1993)	Writing strategy instruction with gifted students: Effects of goals and feedback on self-efficacy and skills	Effect Size: 0.992 LCI: 0.096			-		
	(Roeper Review)	UCI: 1.888 Weight: 0.434 Standard error: 0.457	-4 -2	0	2	4	6
Feng (1983) 1_2	The Effect of Three Different Kinds of Feedback: Hint, Correct Answer, and Right/Wrong. Working Paper No. 11	Effect Size: 0.991 LCI: 0.167		I-I	-		
	(NA)	UCI: 1.816 Weight: 0.47 Standard error: 0.421	-4 -2	0	2	4	6



Author	Title	Effect Size	Effect Size (Gr	aph)			
Wolter (1975) 1_1	Effect of feedback on performance on a creative writing task	Effect Size: 0.958 LCI: -0.037		-	<u>—</u>		
	(NA)	UCI: 1.953 Weight: 0.388 Standard error: 0.508	-4 -2	0	2	4	6
Wolter (1975) 1_2	Effect of feedback on performance on a creative writing task	Effect Size: 0.926 LCI: -0.033		;	-		
	(NA)	UCI: 1.885 Weight: 0.404 Standard error: 0.49	-4 -2	0	2	4	6
Clariana (1990)	A Comparison of Answer until Correct Feedback and Knowledge of Correct Response Feedback under Two	Effect Size: 0.924 LCI: 0.614		1			
	Conditions of Contextualization (Journal of Computer-Based Instruction)	UCI: 1.234 Weight: 0.779 Standard error: 0.158	-4 -2	0	2	4	6
McClintock (1975)	The effects of manipulating feedback upon children's motives and performance: A propositional statement and	Effect Size: 0.91 LCI: 0.617					
(1376)	empirical evaluation (Behavioral Science)	UCI: 1.204 Weight: 0.788 Standard error: 0.15	-4 -2	0	2	4	6
Reid (1988)	Generalization of training speaking skills: The role of overt activity, feedback, and child's initial level of competence	Effect Size: 0.9 LCI: 0.116		- <b> </b>	H.		
	(Perceptual and Motor Skills)	UCI: 1.684 Weight: 0.492 Standard error: 0.4	-4 -2	0	2	4	6
Llorens (2016) 1_3	Formative feedback to transfer self-regulation of task- oriented reading strategies	Effect Size: 0.884 LCI: 0.408		1.0			
1_0	(Journal of Computer Assisted Learning)	UCI: 1.359 Weight: 0.679 Standard error: 0.243	-4 -2	0	2	4	6
Andrade (2008)	Putting rubrics to the test: The effect of a model, criteria generation, and rubric-referenced self-assessment on	Effect Size: 0.865 LCI: 0.476		1			
	elementary school students' writing (Educational Measurement: Issues and Practice)	UCI: 1.254 Weight: 0.733 Standard error: 0.198	-4 -2	0	2	4	6
Bethge (1982)	The effects of dynamic assessment procedures on Raven Matrices performance, visual search behavior, test anxiety	Effect Size: 0.855 LCI: 0.262		1-	F I		
	and test orientation (Intelligence)	UCI: 1.448 Weight: 0.605 Standard error: 0.303	-4 -2	0	2	4	6
Wade-Stein (2004)	Summary Street: Interactive computer support for writing (Cognition and Instruction)	Effect Size: 0.852 LCI: 0.283		1-	F :		
X == -7	(1.3)	UCI: 1.422 Weight: 0.619 Standard error: 0.291	-4 -2	0	2	4	6



Author	Title	Effect Size	Effect Size (0	Graph)			
Brakel (1990)	The Revising Processes of Sixth-Grade Writers With and Without Peer Feedback	Effect Size: 0.846 LCI: 0.189		-	F :		
	(Journal of Educational Research)	UCI: 1.502 Weight: 0.565 Standard error: 0.335	-4 -2	0	2	4	6
Farrell (1977)	A comparison of three instructional approaches for teaching written composition to high school juniors:	Effect Size: 0.835 LCI: 0.29		14	F :		
	Teacher lecture, peer evaluation, and group tutoring (NA)	UCI: 1.38 Weight: 0.635 Standard error: 0.278	-4 -2	0	2	4	6
Kolic-Vehovec (2002) FB	Self-monitoring and attribution training with poor readers (Studia Psychologica)	Effect Size: 0.835 LCI: 0.338		H	H		
		UCI: 1.333 Weight: 0.665 Standard error: 0.254	-4 -2	0	2	4	6
Kramarski (2009) FB	Group-Metacognitive Support for Online Inquiry in Mathematics with Differential Self-Questioning	Effect Size: 0.831 LCI: 0.334		1-	F :		
	(Journal of Educational Computing Research)	UCI: 1.329 Weight: 0.665 Standard error: 0.254	-4 -2	0	2	4	6
Crutcher (1975)	Effective use of objectives and monitoring (Teaching Exceptional Children)	Effect Size: 0.822 LCI: 0.328		14			
	(readining Exceptional diniarchy	UCI: 1.315 Weight: 0.668 Standard error: 0.252	-4 -2	0	2	4	6
Dollinger (1978)	Overjustification and Children's Intrinsic Motivation: Comparative Effects of Four Rewards	Effect Size: 0.817 LCI: 0.167		I-m	F I		
	(Journal of Personality and Social Psychology)	UCI: 1.466 Weight: 0.57 Standard error: 0.331	-4 -2	0	2	4	6
Hughes (1973)	An experimental investigation of the effects of pupil responding and teacher reacting on pupil achievement	Effect Size: 0.815 LCI: 0.309		I 🗆	H		
	(American Educational Research Journal)	UCI: 1.321 Weight: 0.66 Standard error: 0.258	-4 -2	0	2	4	6
Tait (1973) 1_1	Feedback procedures in computer-assisted arithmetic instruction	Effect Size: 0.814 LCI: 0.21		1-	F :		
	(British Journal of Educational Psychology)	UCI: 1.418 Weight: 0.598 Standard error: 0.308	-4 -2	0	2	4	6
Algozzine (2009)	Using Peer Coaches to Build Oral Reading Fluency (Journal of Education for Students Placed at Risk)	Effect Size: 0.795 LCI: 0.387		11			
		UCI: 1.203 Weight: 0.722 Standard error: 0.208	-4 -2	0	2	4	6



Author	Title	Effect Size	Effect	Size (Gr	aph)			
Tait (1973) 1_2	Feedback procedures in computer-assisted arithmetic	Effect Size: 0.769			1.=	L !		
	instruction	<b>LCI</b> : 0.177				!		
	(British Journal of Educational Psychology)	UCI: 1.361	-4	-2	0	2	4	6
		Weight: 0.606 Standard error: 0.302						
Tenenbaum	A method of group instruction which is as effective as one-	Effect Size: 0.751			1-	<u>.</u> !		
(1982) FB 1_1	to-one tutorial instruction.	LCI: 0.222		:				
	(ProQuest Dissertations and Theses)	UCI: 1.28 Weight: 0.645	-4	-2	0	2	4	6
		Standard error: 0.27						
Peeck (1985) 1_1	Effects of informative feedback in relation to retention of	Effect Size: 0.744			1.	. !		
	initial responses	LCI: 0.255		!		:		
	(Contemporary Educational Psychology)	UCI: 1.233 Weight: 0.671 Standard error: 0.25	-4	-2	0	2	4	6
Peeck (1985) 1_2	Effects of informative feedback in relation to retention of	Effect Size: 0.744			1-			
	initial responses	LCI: 0.255 UCI: 1.233	-4	-2	0	2	4	6
	(Contemporary Educational Psychology)	Weight: 0.671	-4	-2	U	2	4	6
		Standard error: 0.25						
Van Oudenhoven	Effect of cooperation and shared feedback on spelling	Effect Size: 0.74				ı		
(1987) FB	achievement	LCI: -2.592	:	:	1	:		
	(Journal of Educational Psychology)	UCI: 4.072 Weight: 0.058 Standard error: 1.7	-4	-2	0	2	4	6
Merrett (1996) FB	How important is the praise element in the pause, prompt	Effect Size: 0.716			1			
	and praise tutoring procedures for older low-progress	LCI: -0.468		!		:		
	readers?	UCI: 1.901	-4	-2	0	2	4	6
	(Educational Psychology)	Weight: 0.315 Standard error: 0.604						
Chen (2011)	Augmenting Paper-Based Reading Activity with Direct	Effect Size: 0.711			1	- :		
	Access to Digital Materials and Scaffolded Questioning	LCI: 0.053 UCI: 1.369	:		^	:		_
	(Computers & Education)	Weight: 0.565	-4	-2	U	2	4	6
		Standard error: 0.336						
Fitzgerald (1987)	Teaching children about revision in writing	Effect Size: 0.7			<u>_</u> _	. !		
	(Cognition and Instruction)	LCI: -0.045	- !			1	1	
		UCI: 1.445 Weight: 0.513	-4	-2	0	2	4	6
		Standard error: 0.38						
Tomita (2008)	Examining the influence of formative assessment on	Effect Size: 0.7			<u> </u>			
	conceptual accumulation and conceptual change	LCI: -0.084	1					_
	(NA)	UCI: 1.484 Weight: 0.492 Standard error: 0.4	-4	-2	0	2	4	6



Author	Title	Effect Size	Effect Size	(Graph)			
Vidal-Abarca (2014)	TuinLEC, an intelligent tutoring system to improve reading literacy skills / TuinLEC, un tutor inteligente para mejorar la	Effect Size: 0.688 LCI: -0.123		<del> </del>	-		
(== - 7)	competencia lectora (Infancia y Aprendizaje)	UCI: 1.5 Weight: 0.477 Standard error: 0.414	-4 -	2 0	2	4	6
Eggen (1978)	The effect of hierarchical cues on the learning of concepts from prose materials	Effect Size: 0.685 LCI: 0.077		l-	- :		
	(Journal of Experimental Education)	UCI: 1.293 Weight: 0.595 Standard error: 0.31	-4 -	2 0	2	4	6
Llorens (2014) 1_2	Adaptive formative feedback to improve strategic search decisions in task-oriented reading	Effect Size: 0.675 LCI: 0.144		H	. !		
	(Journal of Computer Assisted Learning)	UCI: 1.206 Weight: 0.644 Standard error: 0.271	-4 -	2 0	2	4	6
Llorens (2014) 1_1	Adaptive formative feedback to improve strategic search decisions in task-oriented reading	Effect Size: 0.675 LCI: 0.144		-	- !		
	(Journal of Computer Assisted Learning)	UCI: 1.206 Weight: 0.644 Standard error: 0.271	-4 -	2 0	2	4	6
Roussey (1992) FB	Effects of social regulation and computer assistance on the monitoring of writing	Effect Size: 0.667 LCI: 0.217		I-			
	(European Journal of Psychology of Education)	UCI: 1.117 Weight: 0.695 Standard error: 0.23	-4 -	2 0	2	4	6
Lumbelli (1999)	Improving the ability to detect comprehension problems: From revising to writing	Effect Size: 0.664 LCI: -0.1		<del>:</del>	_		
	(Learning and Instruction)	UCI: 1.428 Weight: 0.503 Standard error: 0.39	-4 -	2 0	2	4	6
Wise (1992) FB	The effects of revision instruction on eighth graders' persuasive writing	Effect Size: 0.656 LCI: 0.224		I	!		
	(NA)	UCI: 1.089 Weight: 0.706 Standard error: 0.221	-4 -	2 0	2	4	6
Baechie (1990)	The effects of direct feedback and practice on metaphor performance in children with learning disabilities	Effect Size: 0.655 LCI: 0.095		-	-		
	(Journal of Learning Disabilities)	UCI: 1.214 Weight: 0.626 Standard error: 0.286	-4 -	2 0	2	4	6
Lacher (1983)	Effects of feedback, instruction, and initial performance level upon training and persistence of verbal rehearsal	Effect Size: 0.629 LCI: 0.191		ŀ	!		
	(Journal of General Psychology)	UCI: 1.067 Weight: 0.703 Standard error: 0.224	-4 -	2 0	2	4	6



Author	Title	Effect Size	Effect \$	Size (Gr	aph)			
Philippakos	Effects of reviewing on fourth- and fifth-grade students'	Effect Size: 0.626			1.			
(2012)	persuasive writing and revising	LCI: 0.207			1			
	(NA)	UCI: 1.045 Weight: 0.715	-4	-2	0	2	4	6
		Standard error: 0.214						
Van Evera (2003)	Achievement and motivation in the middle school science	Effect Size: 0.6						
	classroom: The effects of formative assessment feedback	<b>LCI</b> : -0.184			ī	1		
	(NA)	UCI: 1.384	-4	-2	0	2	4	6
		Weight: 0.492 Standard error: 0.4						
Fitch (2008)	Achieving Inclusion through CLAD: Collaborative Learning	Effect Size: 0.6						
	Assessment through Dialogue	<b>LCI</b> : 0.188						
	(International Journal of Inclusive Education)	<b>UCI</b> : 1.012	-4	-2	0	2	4	6
		Weight: 0.719 Standard error: 0.21						
Feng (1983) 1_3	The Effect of Three Different Kinds of Feedback: Hint,	Effect Size: 0.587			1			
	Correct Answer, and Right/Wrong. Working Paper No. 11	LCI: -0.292		1	1 -			
	(NA)	UCI: 1.466	-4	-2	0	2	4	6
		Weight: 0.442 Standard error: 0.448						
Tenenbaum	A method of group instruction which is as effective as one-	Effect Size: 0.55			Į.			
(1982) FB 1_2	to-one tutorial instruction.	LCI: 0.025	:		-		:	
	(ProQuest Dissertations and Theses)	UCI: 1.075 Weight: 0.648 Standard error: 0.268	-4	-2	0	2	4	6
Wyne (1979)	Time-on-task and reading performance in underachieving	Effect Size: 0.549						
	children	<b>LCI</b> : 0.159						
	(Journal of Reading Behavior)	UCI: 0.94	-4	-2	0	2	4	6
		Weight: 0.733 Standard error: 0.199						
Gregory (1976)	Effects of Locus of Control and Type of Reinforcement on	Effect Size: 0.53			Į.			
FB 1_2	Programmed Instruction Performance of Adolescent Boys	LCI: -0.018						
	1 (The Journal of Educational Research)	UCI: 1.078 Weight: 0.633	-4	-2	0	2	4	6
	(The Journal of Educational Nesearch)	Standard error: 0.28						
Block (1970)	The effects of various levels of performance on selected	Effect Size: 0.519			Į.			
	cognitive, affective, and time variables	LCI: 0.033	:	1		:	1	
	(NA)	UCI: 1.005 Weight: 0.673	-4	-2	0	2	4	6
		Standard error: 0.248						
Denton (2010)	Effectiveness of a Supplemental Early Reading Intervention	Effect Size: 0.514						
	Scaled Up in Multiple Schools	LCI: 0.318		2	0	2		
	(Exceptional Children)	UCI: 0.71 Weight: 0.833 Standard error: 0.1	-4	-2	U	2	4	6



Author	Title	Effect Size	Effect Size	(Graph)			
Brookhart (2008)	Teacher inquiry into formative assessment practices in remedial reading classrooms (Assessment in Education: Principles, Policy & Practice)	Effect Size: 0.51 LCI: 0.198 UCI: 0.822	-4 -2	0	2	4	6
		Weight: 0.778 Standard error: 0.159					
Armour-Thomas (1987)	The motivational effects of types of computer feedback on children's learning concepts and retention of relational	Effect Size: 0.507 LCI: 0.026		ŀ.			
(1307)	concepts.	UCI: 0.987	-4 -2	. 0	2	4	6
	(Annual Meeting of the American Educational Research Association.)	Weight: 0.676 Standard error: 0.245					
Tobias (1984)	Macroprocesses, individual differences, and instructional methods	Effect Size: 0.484 LCI: -0.053		;===-			
	(The Annual Meeting of the American Educational Research Association)	UCI: 1.021 Weight: 0.64	-4 -2	0	2	4	6
	research Association)	Standard error: 0.274					
Butler (1987) 1_3	Task-involving and ego-involving properties of evaluation:	Effect Size: 0.482		<u>!</u>			
	Effects of different feedback conditions on motivational	LCI: -0.081 UCI: 1.045	-4 -2	0	2	4	6
	perceptions, interest, and performance (Journal of Educational Psychology)	Weight: 0.624	-4 -2	. 0	2	4	6
	(countai or zuccutonary cychology)	Standard error: 0.287					
Swanson (1977)	A comparison of mastery learning feedback systems,	Effect Size: 0.473		ļ.			
	affecting achievement in chemistry (The Annual Meeting of the American Educational	LCI: -0.2 UCI: 1.147	-4 -2	0	2	4	6
	Research Association)	Weight: 0.555 Standard error: 0.344	7 2	. 0	2	7	
Dubrule (1984)	The study of precision teaching as a remedial method	Effect Size: 0.447					
	(NA)	LCI: 0.154 UCI: 0.741	-4 -2	0	2	4	6
		Weight: 0.788 Standard error: 0.15		. 0	2	7	o
Rust (1977)	How knowledge of results and goal setting function during	Effect Size: 0.445					
Rust (1977)	academic tests	LCI: -0.044					
	(Journal of Experimental Education)	UCI: 0.934	-4 -2	. 0	2	4	6
		Weight: 0.671 Standard error: 0.249					
Llorens (2016)	Formative feedback to transfer self-regulation of task-	Effect Size: 0.442					
1_2	oriented reading strategies	LCI: -0.011 UCI: 0.896	4 1		:	4	
	(Journal of Computer Assisted Learning)	Weight: 0.693 Standard error: 0.231	-4 -2	. 0	2	4	6
Caccamise (2007) 1_2	Guided practice in technology-based summary writing (Reading Comprehension Strategies: Theory, interventions,	Effect Size: 0.424 LCI: 0.006					
(2007) 1_2	and technologies)	UCI: 0.006 UCI: 0.842 Weight: 0.716 Standard error: 0.213	-4 -2	0	2	4	6



Author	Title	Effect Size	Effect S	Size (Gr	aph)			
Olson (1990) FB	The revising processes of the sixth-grade writers with and	Effect Size: 0.419			<b>!=</b> -			
	without peer feedback (Journal of Educational Research)	LCI: -0.215 UCI: 1.054	-4	-2	0	2	4	6
	(Journal of Educational Research)	Weight: 0.579 Standard error: 0.324	-4	-2	U	2	4	0
Phielix (2011)	Group awareness of social and cognitive performance in a	Effect Size: 0.413			-!=-			
	CSCL environment: Effects of a peer feedback and reflection tool	LCI: -0.382 UCI: 1.208	-4	-2	0	2	4	6
	(Computers in Human Behavior)	Weight: 0.486 Standard error: 0.406	-4	-2	Ü	2	4	Ü
Carlson (1979)	Toward a differential testing approach: Testing-the-limits	Effect Size: 0.406						
	employing the Raven matrices (Intelligence)	LCI: 0.215 UCI: 0.596	-4	-2	0	2	4	6
	(intelligence)	Weight: 0.835 Standard error: 0.097	-4	-2	U	2	4	0
Amendum (2011)	The Effectiveness Of A Technologically Facilitated	Effect Size: 0.396						
	Classroom-Based Early Reading Intervention: The Targeted Reading Intervention	LCI: 0.174 UCI: 0.617	-4	-2	0	2	4	6
	(The Elementary School Journal)	Weight: 0.822 Standard error: 0.113	7	-	Ü	_	4	
Philippakos	The Effects of Giving Feedback on the Persuasive Writing	Effect Size: 0.395						
(2016)	of Fourth- and Fifth-Grade Students (Reading Research Quarterly)	LCI: -0.027 UCI: 0.817	-4	-2	0	2	4	6
	(necally necessary)	Weight: 0.713 Standard error: 0.215	•	-	ŭ	-		
Rickards (1978)	Interspersed meaningful learning questions as semantic	Effect Size: 0.389			_			
	cues for poor comprehenders (Reading Research Quarterly)	LCI: -0.124 UCI: 0.901	-4	-2	0	2	4	6
	(Reading Research Quarterly)	Weight: 0.656 Standard error: 0.262	-4	-2	Ü	2	4	0
Rosenthal (2006)	Improving elementary-age children's writing fluency: A	Effect Size: 0.387			-			
	comparison of improvement based on performance feedback frequency	LCI: -0.433 UCI: 1.207	-4	-2	0	2	4	6
	(NA)	Weight: 0.472 Standard error: 0.418		-	ŭ	-		
Fiel (1975)	The Effects of Formative Evaluation and Remediation on	Effect Size: 0.384			-			
	Mastery of Intellectual Skills (Journal of Educational Research)	LCI: -0.058 UCI: 0.825	-4	-2	0	2	4	6
	(SSS Or Educational Neocaron)	Weight: 0.701 Standard error: 0.226	7	-	Ŭ	-	7	3
Story (1986)	Factors that Influence Continuing Motivation	Effect Size: 0.38 LCI: 0.188						
	(Journal of Educational Research)	UCI: 0.188 UCI: 0.572 Weight: 0.835 Standard error: 0.098	-4	-2	0	2	4	6



Author	Title	Effect Size	Effect Si	ze (Gra <sub>l</sub>	oh)			
Caccamise (2007) 1_1	Guided practice in technology-based summary writing (Reading Comprehension Strategies: Theory, interventions, and technologies)	Effect Size: 0.38 LCI: -0.038 UCI: 0.798 Weight: 0.716 Standard error: 0.213	-4	-2	0	2	4	6
Hwang (2014)	Improving learning achievements, motivations and problem-solving skills through a peer assessment-based game development approach (Educational Technology, Research and Development)	Effect Size: 0.38 LCI: 0.074 UCI: 0.686 Weight: 0.781 Standard error: 0.156	-4	-2	0	2	4	6
Lenhard (2013)	Rethinking strategy instruction: direct reading strategy instruction versus computer-based guided practice (Journal of Research in Reading)	Effect Size: 0.377 LCI: 0.037 UCI: 0.716 Weight: 0.763 Standard error: 0.173	-4	-2	0	2	4	6
Elliot (1986)	An investigation of the effects of computer feedback and interspersed questions on the text comprehension of poor readers (Dissertation Abstracts International)	Effect Size: 0.376 LCI: -0.222 UCI: 0.974 Weight: 0.602 Standard error: 0.305	-4	-2	0	2	4	6
Brandstetter (1978) 1_2	Charting scores in precision teaching for skill acquisition (Exceptional Children)	Effect Size: 0.37 LCI: -1.727 UCI: 2.467 Weight: 0.133 Standard error: 1.07	-4	-2	0	2	4	6
Back (2005)	A Quasi-Experimental Research on the Educational Value of Performance Assessment (Asia Pacific Education Review)	Effect Size: 0.365 LCI: 0.049 UCI: 0.682 Weight: 0.775 Standard error: 0.162	-4	-2	0	2	4	6
Llorens (2016) 1_4	Formative feedback to transfer self-regulation of task- oriented reading strategies (Journal of Computer Assisted Learning)	Effect Size: 0.359 LCI: -0.101 UCI: 0.818 Weight: 0.689 Standard error: 0.234	-4	-2	0	2	4	6
Wijekumar (2013)	High-fidelity implementation of web-based intelligent tutoring system improves fourth and fifth graders content area reading comprehension (Computers and Education)	Effect Size: 0.354 LCI: 0.164 UCI: 0.543 Weight: 0.836 Standard error: 0.096	-4	-2	0	2	4	6
Holman (2011)	Automated writing evaluation program's effects on student writing achievement (NA)	Effect Size: 0.343 LCI: -3.532 UCI: 4.219 Weight: 0.044 Standard error: 1.977	-4	-2	0	2	4	6



Author	Title	Effect Size	Effect Size (Gr	aph)			
Gregory (1976) FB 1_1	Effects of Locus of Control and Type of Reinforcement on Programmed Instruction Performance of Adolescent Boys	Effect Size: 0.327 LCI: 0.174					
101_1	1 (The Journal of Educational Research)	UCI: 0.48 Weight: 0.848	-4 -2	0	2	4	6
	(The Southal of Educational Research)	Standard error: 0.078					
Mirkin (1979)	Formative evaluation in the classroom: An approach to	Effect Size: 0.326					
	improving instruction. Research Report No. 10 (NA)	LCI: -0.448 UCI: 1.101	-4 -2	0	2	4	6
	()	Weight: 0.497 Standard error: 0.395			_		
Clariana (2006)	The Effects of Different Forms of Feedback on Fuzzy and	Effect Size: 0.326		_			
	Verbatim Memory of Science Principles (British Journal of Educational Psychology)	<b>LCI</b> : -0.118 <b>UCI</b> : 0.771	-4 -2	0	2	4	6
	(Enter coarnal or Eddodtenan Operatogy)	Weight: 0.699 Standard error: 0.227	7 2	ŭ	-	•	
William (2004)	Teachers developing assessment for learning: Impact on	Effect Size: 0.32					
	student achievement (Assessment in Education)	LCI: 0.16 UCI: 0.48	-4 -2	0	2	4	6
		Weight: 0.846 Standard error: 0.082			_		
Franzke (2005)	Summary Street: Computer support for comprehension and	Effect Size: 0.308 LCI: -0.067					
	writing (Journal of Educational Computing Research)	UCI: 0.683	-4 -2	0	2	4	6
		Weight: 0.742 Standard error: 0.191					
Arter (1994)	The impact of training students to be self-assessors of	Effect Size: 0.3					
	writing (The Annual Meeting of the American Educational	LCI: -0.053 UCI: 0.653	-4 -2	0	2	4	6
	Research Association)	Weight: 0.755 Standard error: 0.18			_		
Glover (1989)	Improving readers' estimates of learning from text: The role	Effect Size: 0.286					
	of inserted questions (Reading Research and Instruction)	LCI: -0.434 UCI: 1.006	-4 -2	0	2	4	6
	(necessing necessary and medically)	Weight: 0.528 Standard error: 0.367			_		
Boulet (1990) 1_2	Formative evaluation effects on learning music	Effect Size: 0.251		-			
	(Journal of Educational Research)	<b>LCI</b> : -0.271 <b>UCI</b> : 0.774	-4 -2	0	2	4	6
		Weight: 0.65 Standard error: 0.266		Ü	_	•	3
Onyehalu (1983)	Feedback and performance of Piagetian conservation	Effect Size: 0.25					
	tasks in a developing country (American Journal of Psychology)	LCI: -0.001 UCI: 0.5	-4 -2	0	2	4	6
	, , , , , , , , , , , , , , , , , , , ,	Weight: 0.809 Standard error: 0.128	-	-	_		,





Author	Title  The effects of revision strategy instruction on the writing performance of students with learning disabilities (Journal of Learning Disabilities)	Effect Size: 0.243 LCI: -0.413 UCI: 0.899 Weight: 0.566 Standard error: 0.335	Effect Size (Graph)						
Reynolds (1988)			-4 -2	0	2	4	6		
Pridemore (1995) 1_2	Control of practice and level of feedback in computer- based instruction (Contemporary Educational Psychology)	Effect Size: 0.243 LCI: -0.09 UCI: 0.576 Weight: 0.766 Standard error: 0.17	-4 -2	0	2	4	6		
Gorard (2015)	Accelerated Reader: Evaluation report and executive summary (NA)	Effect Size: 0.24 LCI: 0.026 UCI: 0.453 Weight: 0.826 Standard error: 0.109	-4 -2	0	2	4	6		
Ehlinger (1988) FB	The relative merits of characteristics of teacher verbal modeling in influencing comprehension and comprehension monitoring of eighth-grade readers (NA)	Effect Size: 0.237 LCI: -0.325 UCI: 0.799 Weight: 0.624 Standard error: 0.287	-4 -2	0	2	4	6		
Benson (1979) 1_2	The effects of peer feedback during the writing process on writing performance, revision behavior and attitude toward writing (NA)	Effect Size: 0.231 LCI: -0.254 UCI: 0.716 Weight: 0.673 Standard error: 0.247	-4 -2	0	2	4	6		
Hanna (1976)	Effects of total and partial feedback in multiple-choice testing upon learning (Journal of Educational Research)	Effect Size: 0.228 LCI: 0.087 UCI: 0.369 Weight: 0.852 Standard error: 0.072	-4 -2	0	2	4	6		
Peeck (1979)	Learning from feedback: Comparison of two feedback procedures in a classroom setting (Perceptual and Motor Skills)	Effect Size: 0.225 LCI: -0.482 UCI: 0.932 Weight: 0.535 Standard error: 0.361	-4 -2	0	2	4	6		
Benson (1979) 1_1	The effects of peer feedback during the writing process on writing performance, revision behavior and attitude toward writing (NA)	Effect Size: 0.22 LCI: -0.015 UCI: 0.455 Weight: 0.816 Standard error: 0.12	-4 -2	0	2	4	6		
Bridgeman (1974) 1_1	Effects of test score feedback on immediately subsequent test performance (Journal of Educational Psychology)	Effect Size: 0.206 LCI: -0.109 UCI: 0.521 Weight: 0.776 Standard error: 0.161	-4 -2	0	2	4	6		



Author	Title  The Interaction of Instruction, Teacher Comment, and Revision in Teaching the Composing Process	Effect Size: 0.202 LCI: -0.29	Effect Size (Graph)						
Hillocks (1982)				-	<b>.</b>				
	(Research in the Teaching of English)	UCI: 0.693 Weight: 0.669 Standard error: 0.251	-4	-2 0	2	4	6		
Wijekumar (2014)	Multisite Randomized Controlled Trial Examining Intelligent Tutoring of Structure Strategy for Fifth-Grade Readers	Effect Size: 0.2 LCI: 0.126							
	(Journal of Research on Educational Effectiveness)	UCI: 0.274 Weight: 0.867 Standard error: 0.038	-4	-2 0	2	4	6		
Koedinger (2010)	A quasi-experimental evaluation of an on-line formative assessment and tutoring system	Effect Size: 0.195 LCI: 0.053		!					
	(Educational Computing Research)	UCI: 0.338 Weight: 0.852 Standard error: 0.073	-4	-2 0	2	4	6		
Wijekumar (2017)	Web-based text structure strategy instruction improves	Effect Size: 0.18 LCI: -0.619		-	<del>-</del>				
	seventh graders' content area reading comprehension (Journal of Educational Psychology)	UCI: 0.979 Weight: 0.484 Standard error: 0.408	-4	-2 0	2	4	6		
Adler (1998)	The effects of instruction in six trait writing on third grade students' writing abilities and attitudes towards writing	Effect Size: 0.165 LCI: -0.272		1					
	(NA)	UCI: 0.602 Weight: 0.704 Standard error: 0.223	-4	-2 0	2	4	6		
Tobias (1976)	Achievement-Treatment Interactions in Programmed	Effect Size: 0.156							
	Instruction (Journal of Educational Psychology)	LCI: -0.23 UCI: 0.543 Weight: 0.735 Standard error: 0.197	-4	-2 0	2	4	6		
Prater (1993)	Using peer response groups with limited English proficient writers	Effect Size: 0.149 LCI: -0.438		-	F :				
	(Bilingul Research Journal)	UCI: 0.737 Weight: 0.608 Standard error: 0.3	-4	-2 0	2	4	6		
Coe (2011)	An investigation of the impact of the 6 + 1 Trait Writing	Effect Size: 0.11							
	model on grade 5 student writing achievement (NCEE 2012-4010) (NA)	LCI: 0.024 UCI: 0.196 Weight: 0.865 Standard error: 0.044	-4	-2 0	2	4	6		
Neenan (1986) 1_2	Response cost, reinforcement, and children's Perteus Maze qualitative performance	Effect Size: 0.108 LCI: -0.609		-	<b>-</b>				
	(Journal of Abnormal Child)	UCI: 0.824 Weight: 0.53 Standard error: 0.366	-4	-2 0	2	4	6		





Author  Speckesser (2018)	Title  Embedding Formative Assessment: Evaluation report and executive summary (NA)	Effect Size: 0.1 LCI: -0.018 UCI: 0.218 Weight: 0.858 Standard error: 0.06	Effect Size (Graph)						
			-4 -2	0	2	4	6		
Sarkis (2004)	Cognitive Tutor Algebra 1 program evaluation: Miami– Dade County Public Schools (NA)	Effect Size: 0.099 LCI: 0.04 UCI: 0.158 Weight: 0.87 Standard error: 0.03	-4 -2	0	2	4	6		
Mostow (2013)	Computer-Guided Oral Reading versus Independent Practice: Comparison of Sustained Silent Reading to an Automated Reading Tutor That Listens (Journal of Educational Computing Research)	Effect Size: 0.099 LCI: -0.195 UCI: 0.393 Weight: 0.787 Standard error: 0.15	-4 -2	0	2	4	6		
Butler (1987) 1_2	Task-involving and ego-involving properties of evaluation: Effects of different feedback conditions on motivational perceptions, interest, and performance (Journal of Educational Psychology)	Effect Size: 0.081 LCI: -0.316 UCI: 0.478 Weight: 0.728 Standard error: 0.203	-4 -2	0	2	4	6		
Tuominen (2008)	Formative assessment and collaborative learning with support involving middle school mathematics teachers (NA)	Effect Size: 0.08 LCI: -0.079 UCI: 0.239 Weight: 0.846 Standard error: 0.081	-4 -2	0	2	4	6		
Wiggins (2017)	Learner Response System: Evaluation report and executive summary (NA)	Effect Size: 0.072 LCI: -0.002 UCI: 0.145 Weight: 0.867 Standard error: 0.038	-4 -2	0	2	4	6		
Fuchs (1986)	Effects of Mastery Learning Procedures on Student Achievement (Journal of Educational Research)	Effect Size: 0.059 LCI: -0.362 UCI: 0.479 Weight: 0.714 Standard error: 0.215	-4 -2	0	2	4	6		
Paquette (2009) 1_1	Integrating the 6 + 1 writing traits model with cross-age tutoring: An investigation of elementary students' writing development (Literacy Research and Instruction)	Effect Size: 0.049 LCI: -0.621 UCI: 0.718 Weight: 0.558 Standard error: 0.342	-4 -2	0	2	4	6		
Baadte (2014)	Feedback Effects on Performance, Motivation and Mood: Are They Moderated by the Learner's Self-Concept? (Scandinavian Journal of Educational Research)	Effect Size: 0.033 LCI: -0.429 UCI: 0.495 Weight: 0.688 Standard error: 0.236	-4 -2	0	2	4	6		





Author  Llorens (2016) 1_1	Formative feedback to transfer self-regulation of task- oriented reading strategies (Journal of Computer Assisted Learning)	Effect Size	Effect Size (Graph)						
		Effect Size: 0.033 LCI: -0.357 UCI: 0.423 Weight: 0.733 Standard error: 0.199	-4	-2 O		2	4	6	
Kozlow (2004)	Experimental study on the impact of the 6 + 1 Trait Writing model on student achievement in writing (NA)	Effect Size: 0.03 LCI: -0.958 UCI: 1.019 Weight: 0.391 Standard error: 0.504	-4	-2 0	_	2	4	6	
Schaffer (1986)	The Effects of Progressive Interactivity on Learning from Interactive Video (Educational Communication and Technology)	Effect Size: 0.02 LCI: -0.545 UCI: 0.586 Weight: 0.622 Standard error: 0.289	-4	-2 0	-	2	4	6	
Meyer (2010)	Improving literacy and metacognition with electronic portfolios: Teaching and learning with ePearl (Computers & Education)	Effect Size: 0.018 LCI: -0.214 UCI: 0.249 Weight: 0.818 Standard error: 0.118	-4	-2 O		2	4	6	
Oner (1977)	Impact of teacher behavior and teaching technique on learning by anxious children (Stress and Anxiety)	Effect Size: 0 LCI: -0.438 UCI: 0.438 Weight: 0.703 Standard error: 0.224	-4	-2 0		2	4	6	
Aumiller (1963)	The effects of knowledge of results on learning to spell new words by third and fifth grade pupils (NA)	Effect Size: -0.006 LCI: -0.29 UCI: 0.279 Weight: 0.792 Standard error: 0.145	-4	-2 0		2	4	6	
Rienzo (2016)	Powerful Learning Conversations: Evaluation report and executive summary (NA)	Effect Size: -0.021 LCI: -0.117 UCI: 0.075 Weight: 0.863 Standard error: 0.049	-4	-2 0		2	4	6	
Boulet (1990) 1_1	Formative evaluation effects on learning music (Journal of Educational Research)	Effect Size: -0.033 LCI: -0.589 UCI: 0.523 Weight: 0.628 Standard error: 0.284	-4	-2 0	<b>I</b>	2	4	6	
Siddiqui (2014)	Anglican Schools Partnership: Effective Feedback - Evaluation report and executive summary (NA)	Effect Size: -0.036 LCI: -0.111 UCI: 0.039 Weight: 0.867 Standard error: 0.038	-4	-2 0		2	4	6	



Author	Title  Effects of test score feedback on immediately subsequent	Effect Size: -0.098	Effect Size (Graph)						
Bridgeman									
(1974) 1_2	test performance	<b>LCI</b> : -0.412							
	(Journal of Educational Psychology)	UCI: 0.216 Weight: 0.777	-4	-2	0	2	4	6	
		Standard error: 0.16							
Golke (2009)	The effects of accuracy feedback during a text	Effect Size: -0.119							
, ,	comprehension test	LCI: -0.398							
	(Educational and Child Psychology)	UCI: 0.16	-4	-2	0	2	4	6	
		Weight: 0.795 Standard error: 0.142							
Peverly (2001)	The Effects of Adjunct Questions and Feedback on	Effect Size: -0.19			_				
	Improving the Reading Comprehension Skills of Learning-	<b>LCI</b> : -0.951							
	Disabled Adolescents	UCI: 0.571	-4	-2	0	2	4	6	
	(Contemporary Educational Psychology)	Weight: 0.504 Standard error: 0.388							
Jacobs (1966)	A test of some assumptions underlying programmed	Effect Size: -0.209							
	instruction	<b>LCI</b> : -0.674							
	(Psychological Reports)	UCI: 0.255	-4	-2	0	2	4	6	
		Weight: 0.686 Standard error: 0.237							
Bumgarner	Effects of informational feedback and social reinforcement	Effect Size: -0.22			_				
(1984)	on elementary students' achievement during CAI drill and	LCI: -0.771				!	1		
	practice on multiplication facts (Dissertation Abstracts International)	UCI: 0.33 Weight: 0.632 Standard error: 0.281	-4	-2	0	2	4	6	
King (2003)	The effects of formative assessment on student self-	Effect Size: -0.236							
	regulation, motivational beliefs and achievement in	<b>LCI</b> : -0.752							
	elementary science	UCI: 0.279	-4	-2	0	2	4	6	
	(NA)	Weight: 0.654 Standard error: 0.263							
King (1983)	The effects of training teachers in the use of formative	Effect Size: -0.24			_				
	evaluation in reading: An experimental-control comparison.	LCI: -0.878	:						
	Research Report No. 111 (NA)	UCI: 0.398 Weight: 0.577	-4	-2	U	2	4	6	
	(***)	Standard error: 0.326							
Moore (1961) 1_1	Knowledge of results in self-teaching spelling	Effect Size: -0.27			-				
	(Psychological Reports)	<b>LCI</b> : -0.771 <b>UCI</b> : 0.231	-4	-2	0	2	4	6	
		Weight: 0.663 Standard error: 0.256		-2	U	۷	**	0	
Moore (1961) 1_2	Knowledge of results in self-teaching spelling	Effect Size: -0.272							
	(Psychological Reports)	LCI: -1.016	!	1		!	!	!	
		UCI: 0.472 Weight: 0.514 Standard error: 0.38	-4	-2	0	2	4	6	





Author Wentling (1973)	Title  Mastery vs. non-mastery instruction with varying test item	Effect Size: -0.313	Effect Size (Graph)							
					_					
	feedback treatment	LCI: -0.754		:		:	:			
	(Journal of Educational Psychology)	UCI: 0.128 Weight: 0.701 Standard error: 0.225	-4	-2	0	2	4	6		
Yin (2005)	The influence of formative assessments on student motivation, achievement, and conceptual change	Effect Size: -0.323 LCI: -0.571								
	(NA)	UCI: -0.076 Weight: 0.811 Standard error: 0.126	-4	-2	0	2	4	6		
Neenan (1986) 1_1	Response cost, reinforcement, and children's Perteus Maze qualitative performance	Effect Size: -0.481 LCI: -1.208		-	-B÷					
121	(Journal of Abnormal Child)	UCI: 0.247 Weight: 0.523 Standard error: 0.371	-4	-2	0	2	4	6		
Pridemore (1995) 1_1	Control of practice and level of feedback in computer- based instruction	Effect Size: -0.521 LCI: -0.858								
	(Contemporary Educational Psychology)	UCI: -0.183 Weight: 0.764 Standard error: 0.172	-4	-2	0	2	4	6		
Khine (1996) FB	The Interaction of Cognitive Styles with Varying Levels of	Effect Size: -1.569		-						
1_2	Feedback in Multimedia Presentation (International Journal of Instructional Media)	LCI: -2.105 UCI: -1.034 Weight: 0.641 Standard error: 0.273	-4	-2	0	2	4	6		