Tabl	e A. CLASS Pre	dicting all Approach, Cognitive, and Math O	outcomes									
			APP ^c			COGNII	FIVE			М	ATH	I
	CLASS Measurement Level	STUDY ^{a, b}	Galileo	Backward Digit Span	FACES - Social Awareness Task	Forward Digit Span	Identifying Colours	Working Memory Task	Counting Task	ECLS-B Math	★0 ★0	WJ Applied Problems
Total Score	Factor Version	Burchinal 2011 ³ - NCEDL ^A										■■೫
T0 Sco	9 scale Version	Sabol 2013 ^{4,A}										* 0
		Aikens 2012 ^{5,M}										
		Bulotsky-Shearer 2014 ⁶										★■
		Burchinal 2014 ⁷						*== ••				★■■●●
		Dominguez 2010 ⁸										
S	Classroom Organization	Downer 2012 ⁹ - DLL ^A										
lair	Organization	Downer 2012 ⁹ - Latino ^A										
00		Hamre 2014 ¹⁰										
SI		Peisner-Feinberg 2008 ¹¹ - NC 07/08			*				*			
CLASS Domains		Peisner-Feinberg 2013 ¹² Weiland 2013 ¹³										
CI		Bulotsky-Shearer 2014 ⁶										★■
	Emotional	Burchinal 2014 ⁷						*== •				*
	Support	Curby 2013 ^{14,A}										★■■
		Dominguez 2010 ⁸										
		Downer 2012 ⁹ - DLL ^A										

		Downer 2012 ⁹ - Latino ^A							
		Hamre 2014^{10}							
		Peisner-Feinberg 2008 ¹¹ - NC 07/08		*			*		*
		Peisner-Feinberg 2013 ¹²							
		Peisner-Feinberg 2008 ¹¹ - NC 07/08 Peisner-Feinberg 2013 ¹² Reid 2013 ^{15,A}							0
		Weiland 2013 ¹³							
		Aikens 2010 ^{16,B}					00		0000
		Aikens 2012 ^{5,M}							
		Bulotsky-Shearer 2014 ⁶							★■
	Instructional	Burchinal 2014 ⁷				★■■●●			*== ••
	Support	Dominguez 2010 ⁸							
		Hamre 2014 ¹⁰							
		Peisner-Feinberg 2008 ¹¹ - NC 07/08		***			*		*
		Peisner-Feinberg 2013 ¹² Weiland 2013 ¹³							
		Weiland 2013 ⁷⁵ West 2010 ^{17,B}							0.0
		West 2010					0		00
	Instructional	Downer 2012 ⁹ - DLL ^A							
	Support (Language Modeling not	Downer 2012 ⁹ - Latino ^A							
	included)	Reid 2013 ^{15,A}							0
		Burchinal 2010 ^{18,A}							
		Burchinal 2012 ¹⁹ - Whole Sample ^A							
		Burchinal 2012 ¹⁹ - Spanish-English Testing ^A							*
ors	Emotional	Burchinal 2012 ¹⁹ -Spanish-Spanish Testing ^A							*
acte	Climate	Dotterer 2012 ^{20,A}							
S F		Early 2006 ^{21,A}			\star			*	*
CLASS Factors		Howes 2008 ^{22,A}							■★
		Mashburn, Pianta 2008 ^{23,A}							
	Instructional	Burchinal 2008 ^{24,A}							*
	Climate	Burchinal 2010 ^{18,A}							
		Burchinal 2011 ³ - NCEDL ^A							ж

Significant & Positive Aikens 2010 ^{16,B} Aikens 2010 ^{16,B} Aikens 2012 ^{5,M}		Significant & Nagativa	Nonsignifi	icant	Statist	ic		
Modeling	Aikens 2012 ^{5,M}							•••••
Language						0000		0000
								■★
	Early 2006 ^{21,A}			*			★	*
	Dotterer 2012^{20} ,	A						
	Testing ^A							*
								*
n	nd for Table	Burchinal 2012Burchinal 2012Burchinal 2012TestingADang 201125 - NDotterer 201220Early 200621.AHowes 200822.AKeys 201326 - NMashburn, PianAikens 201016.BAikens 20125.MAikens 20125.M	Burchinal 2012^{19} - Spanish-English Testing ^A Burchinal 2012^{19} - Spanish-Spanish Testing ^A Dang 2011^{25} - NCEDL ^A Dotterer $2012^{20,A}$ Early $2006^{21,A}$ Howes $2008^{22,A}$ Keys 2013^{26} - NCEDL ^A Mashburn, Pianta $2008^{23,A}$ Aikens $2010^{16,B}$ Aikens $2012^{5,M}$	Burchinal 2012^{19} - Spanish-English Testing ^A Image: Spanish-Spanish Testing ^A Burchinal 2012^{19} - Spanish-Spanish Testing ^A Image: Spanish-Spanish Testing ^A Dang 2011^{25} - NCEDL ^A Image: Spanish-Spanish Testing ^A Dotterer $2012^{20,A}$ Image: Spanish-Spanish Testing ^A Early $2006^{21,A}$ Image: Spanish-Spanish Testing ^A Howes $2008^{22,A}$ Image: Spanish-Spanish Testing ^A Howes $2008^{22,A}$ Image: Spanish Testing ^A Mashburn, Pianta $2008^{23,A}$ Image: Spanish Testing ^A Aikens $2010^{16,B}$ Image: Spanish Testing ^A Aikens $2012^{5,M}$ Image: Spanish Testing ^A <	Burchinal 2012^{19} - Spanish-English Testing ^A Image Spanish-SpanishBurchinal 2012^{19} - Spanish-SpanishImage Spanish-SpanishDang 2011^{25} - NCEDL ^A Image SpanishDotterer $2012^{20,A}$ Image SpanishEarly $2006^{21,A}$ Image SpanishHowes $2008^{22,A}$ Image SpanishKeys 2013^{26} - NCEDL ^A Image SpanishMashburn, Pianta $2008^{23,A}$ Image SpanishAikens $2010^{16,B}$ Image SpanishAikens $2012^{5,M}$ Image Spanish	Burchinal 2012^{19} - Spanish-English Testing ^A Image: Spanish Spanish Testing ^A Burchinal 2012^{19} - Spanish-Spanish Testing ^A Image Spanish Spanish Testing ^A Dang 2011^{25} - NCEDL ^A Image Spanish Spanish Testing ^A Dang 2011^{25} - NCEDL ^A Image Spanish Spanish Testing ^A Dotterer $2012^{20,A}$ Image Spanish Spanish Testing Spanish SpanishEarly $2006^{21,A}$ Image Spanish Spanish Testing Spanish SpanishHowes $2008^{22,A}$ Image Spanish Spanish Spanish Testing Spanish SpanishLanguage ModelingAikens $2010^{16,B}$ Aikens $2012^{5,M}$ Image Spanish	Burchinal 2012 ¹⁹ - Spanish-English Testing ^A Image: Constraint of the system of the s	Burchinal 2012 ¹⁹ - Spanish-Spanish Image: Constraint of the system

Abbreviations: APP=Approaches to Learning; Total Score (factor ver.) = Total Score for Emotional Climate and Instructional Climate; Total Score (9 scale ver.)=Total Score with Language Modeling, Literacy Focus subscales not included. For more details please see Table 2 in the manuscript.

^aThis paper is one of a series of Meta-Analyses and Systematic Reviews assessing the relationship between child care quality and children's outcomes; therefore, superscript letters below are in reference to various large databases that samples in these papers were drawn from. These letters have been kept consistent across the series for our readers.

^bSamples within papers are described in more detail in the manuscript in Table 2.

^cAcronyms for child outcomes are listed in Supplemental Information 2.

^dIdentifying Numbers (also refers to as Naming Numbers).

^ANational Center for Early Development and Learning Dataset (NCEDL); ^BHead Start Family and Children Experiences Survey (FACES) 2006 Cohort; ^MHead Start Family and Children Experiences Survey (FACES, 2009) Cohort.

Table B.	CLASS Predicting	all Language Outcom	es A to	o P														
									Ι	LANG	UAGE	:						
	CLASS Measurement Level	STUDY ^{a, b}	ARS - Language & Literacy	Expressive One - Picture Vocabulary	Identifying Letters ^d	Language (PPVT+ WJ PV)	MUBI	Narrative Assessment Protocol	OWLS- Oral Expression Scale	OWLS- Total Scale	PALS Pre-K	PALS Pre-K - lower case recognition	PPVT - Vocabulary	Pre-CTOPP -Phonological Awareness	Pre-CTOPP - Print Awareness	Pre-CTOPP -Receptive Vocabulary	Print Awareness (PWPA and PALS Pre-K)	Print Knowledge (PWPA and PALS Pre-K)
	Factor Version	Burchinal 2011 ³ - NCEDL ^A								Ħ			#					
Total Score	11 Scale Version	McGinty 2012 ^{27,X}																
Tota	9 Scale Version	Sabol 2013 ^{4,A}			•★				o ★				• ★					
	8 Scale Version	Hamre 2010 ²⁸																
CLASS Domains	Classroom Organization	Aikens 2012 ^{5,M}		••••••••••••••••••••••••••••••••••••••									■■ ● ●					
Dº C	Siganization	Burchinal 2014 ⁷											\star					

			1 1	I	т — т			 	1
	Downer 2012 ⁹ - DLL ^A						-		
	Downer 2012 ⁹ - Latino ^A								
	Hamre 2014 ¹⁰								
	Peisner-Feinberg 2008 ¹¹ - NC 07/08						*		
	Peisner-Feinberg 2013 ¹²	-							
	Weiland 2013 ¹³								
	Xu 2014 ²⁹					0	00		
	Burchinal 2014 ⁷						* ==•		
	Curby 2013 ^{14,A}	*			★		■■ ★		
	Downer 2012 ⁹ - DLL ^A								
	Downer 2012 ⁹ -								
Emotional	Hamre 2014 ¹⁰								
Support	Guo 2010 ^{30,A}								
	Peisner-Feinberg 2008 ¹¹ - NC 07/08						*		
	Peisner-Feinberg 2013 ¹²	-							
	Reid 2013 ¹⁵			0			0		
	Weiland 2013 ¹³								
	Xu 2014 ²⁹					000	00 0		
Instructional	Aikens 2010 ^{16,B}						00		

	Support	Aikens 2012 ⁵	••••••••••••••••••••••••••••••••••••••					•••• ••		
		Burchinal 2014 ⁷						*		
		Gosse 2014 ³¹ Guo 2010 ^{30,A}								
		Hamre 2014 ¹⁰ Logan 2011 ³² - Head Start								
		Logan 2011 ³² - State Funded								
		Peisner-Feinberg 2008 ¹¹ - NC 07/08						*		
		Peisner-Feinberg 2013 ¹²		-						
		Weiland 2013 ¹³								
		West 2010 ^{17,B}						00		
		Xu 2014 ²⁹					0	0		
	Instructional Support	Downer 2012 ⁹ - DLL ^A								
	(Language Modeling not	Downer 2012 ⁹ - Latino ^A								
	included)	Reid 2013 ^{15,A}				0		0		
S S		Burchinal 2010 ^{18,A}				**		■ ■ • • • • • • • • • • • • • • • • • • •		
CLASS Factors	Emotional Climate	Burchinal 2012 ¹⁹ - Whole Sample ^A Burchinal 2012 ¹⁹ -								
		Spanish-English						*		

	Testing ^A				
	Burchinal 2012 ¹⁹ -				
	Spanish-Spanish				*
	Testing ^A				
	D // 2010 ²⁰ A	_		_	_
	Dotterer 2012 ^{20,A}	-			
	Early 2006 ^{21,A}		★	*	★
	Howes 2008 ^{22,A}	■★	■★	■★	■★
	Mashburn, Pianta 2008 ^{23,A}			-	
	Mashburn 2009 ^{33,A}				
	Burchinal 2008 ^{24,A}	*		*	*
	Burchinal 2010 ^{18,A}				
				**	$\diamond \diamond$
	Burchinal 2011 ³ - NCEDL ^A				ж
	Burchinal 2012 ¹⁹ -				
	Whole Sample ^A Burchinal 2012 ¹⁹ -				
	Burchinal 2012 ¹⁹ -				
	Spanish English				*
	Testing ^A				
	Burchinal 2012 ¹⁹ -				
	Spanish-Spanish Testing ^A				*
Instructional	Testing ^A				
Climate	Burchinal 2012 ¹⁹ -				
	Whole Sample ^A				
	Whole Sample ^A Dang 2011 ²⁵ - NCEDL ^A				
	Dotterer 2012 ^{20,A}				
	Early 2006 ^{21,A}		*	*	*
	Howes 2008 ^{22,A}	■★	■★	■★	■★
	Keys 2013 ²⁶ - NCEDL ^A				
	NCEDL ^A				
	Mashburn, Pianta				
	2008 ^{23,A}				

	Behaviour Management	Dobbs-Oates 2011 ^{34,X} Guo 2014 ^{35,U}											
cales		Aikens 2010) ^{16,B}					00 <i>00</i>					
Subscales	Language Modeling	Aikens 2012											
		Hamre 2010											
	Literacy Focus	Hamre 2010 ²	28										
Legend fo	or Table					i	i	£					
	nificant and Positi	ve	Signif	ficant and l	Negative	Nonsig	nificant	Statis	tic				
	*			*		7	k		ero Or elatior	der Pea	arson's		
	0			0		(C	Beta					
								B (Ur	nstand	ardize	d Coeff	ïcient)	
	*			**		*	*	T-Tes	st				
	ж			Ж		9	В	Parti	al Cor	relatio	n		
	•			•		•		F-Ra	tio				
	$\mathbf{+}$			¥				Effec	t Size				

Abbreviations: Total Score (factor ver.) = Total Score for Emotional Climate and Instructional Climate; Total Score (9 scale ver.) = Total Score with Language Modeling and Literacy Focus subscales not included. Total Score (8 scale ver.) = Total score with Regard for Student Perspectives, Language Modeling, and Literacy Focus subscales not included. For more details please see Table 2 in the manuscript.

^aThis paper is one of a series of Meta-Analyses and Systematic Reviews assessing the relationship between child care quality and children's outcomes; therefore, superscript letters below are in reference to various large databases that samples in these papers were drawn from. These letters have been kept consistent across the series for our readers.

^bSamples within papers are described in more detail in the manuscript in Table 2.

^cAcronyms for child outcomes are listed in Supplemental Information 2.

^dIdentifying Letters (also refers to Letter Knowledge, Letter-Naming Test, and Naming Letters).

^eHamre, 2014¹⁰ used only Phonological Awareness and Print Knowledg subscales.

^ANational Center for Early Development and Learning Dataset (NCEDL, 2002, 2004); ^BHead Start Family and Children Experiences Survey (FACES, 2006) Cohort; ^MHead Start Family and Children Experiences Survey (FACES, 2009) Cohort; ^XOhio Virginia (2005-2006, 2006-2007).

Tab	e C. CLASS Pre	dicting all Language Outcomes T to W									
						LAN	IGUAGE ^c				
	CLASS Measurement Level	STUDY ^{a, b}	TOPEL - Total Score ^e	TOPEL - Phonological Awareness	TOPEL - Print Knowledge	WJ - Letter Word ID	WJ - Picture Vocabulary	WJ - Rhyming	WJ - Sound Awareness	WJ - Spelling	WJ - Word Attack
Total Score	Factor Version	Burchinal 2011 ³ - NCEDL ^A				■ ₩					
Total	9 Scale Version	Sabol 2013 ^{4,A}						* 0			
		Aikens 2012 ^{5,M}				↓					
		Bulotsky-Shearer 2014 ⁶				■★	■★				
S	Classroom Organization	Burchinal 2014 ⁷		••==*			••== *				
CLASS Domains	o gunzation	Hamre 2014 ¹⁰									
)om		Peisner-Feinberg 2008 ¹¹ - NC 07/08		*	*	*					
I S		Peisner-Feinberg 2013 ¹² Xu 2014 ²⁹				-					
SAL			00								
CI		Bulotsky-Shearer 2014 ⁶				■★	■★				
	Emotional	Burchinal 2014 ⁷									
	Support	Curby 2013 ^{14,A}						*			
		Hamre 2014 ¹⁰	-								

		Peisner-Feinberg 2008 ¹¹ - NC 07/08		*		*				
		Peisner-Feinberg 2013 ¹²				-				
		Xu 2014 ²⁹	000							
		Aikens 2010 ^{16,B}				00				
		Aikens 2012 ⁵				■■■■■↓				
		Bulotsky-Shearer 2014 ⁶	*			■★	■★			
	Instructional	Burchinal 2014 ⁷		■■●●★						
	Support	Hamre 2014 ¹⁰								
		Peisner-Feinberg 2008 ¹¹ - NC 07/08		*	*	*				
		Peisner-Feinberg 2013 ¹² West 2010 ^{17,B}								
		West $2010^{17,8}$				00				
		Xu 2014 ²⁹ Burchinal 2010 ^{18,A}	0							
										_
		Burchinal 2012 ¹⁹ - Whole Sample ^A Burchinal 2012 ¹⁹ - Spanish-English								
		Testing ^A				\star				
	E	Burchinal 2012 ¹⁹ - Spanish-Spanish								-
	Emotional Climate	Testing ^A				*				
	Chinate	Dotterer 2012 ^{20,A}								
		Early 2006 ^{21,A}						★		
ors		Howes 2008 ^{22,A}								
CLASS Factors		Mashburn, Pianta 2008 ^{23,A} Burchinal 2010 ^{18,A}								
E P		Burchinal 2010 ^{18,A}								
SS		Burchinal 2011 ³ - NCEDL ^A				ж				
Τŀ		Burchinal 2012 ¹⁹ - Whole Sample ^A								
		Burchinal 2012 ¹⁹ - Spanish English Testing ^A				*				
	Instructional	Burchinal 2012 ¹⁹ - Spanish-Spanish				*				
	Climate	Testing ^A Dotterer 2012 ^{20,A}				~		_		
		Early 2006 ^{21,A}						★		
		Mashburn, Pianta 2008 ^{23,A}								

ubscale	Language	Aikens 2010 ^{16,B}		00		
Subse	Modeling	Aikens 2012 ⁵				
Lege	nd for Table					
	Significant a	and Positive	Significant and Negative	Nonsignificant	Statistic	
			*	*	r - Zero Or	der Pearson's Correlation
	C)	0	0	Beta	
					B (Unstand	ardized Coefficient)
	*	*	**	***	T-Test	
	9	£	\mathcal{H}	ж	Partial Cor	relation
			✓	•	Effect Size	
			•	•	F-Ratio	

Abbreviations: Total Score (factor ver.) = Total Score for Emotional Climate and Instructional Climate; Total Score (9 scale ver.) = Total Score with Language Modeling and Literacy Focus subscales not included. Total Score (8 scale ver.) = Total score with Regard for Student Perspectives, Language Modeling, and Literacy Focus subscales not included. For more details please see Table 2 in the manuscript.

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Tab	le D. CLASS Pre	edicting all Social Emo	tional C	Outcom	es, Po	ositive E	Behaviou	ır and P	roblem	Behavi	our							
						Pos	itive Be	haviou	r°					Probl	em Bel	naviour		
	CLASS Measurement Level	STUDY ^{a, b}	ASBI-Prosocial Behaviour	ECLS-K Approaches to Learning	Learning Self-Efficacy	Pencil Tapping Task	Social Skills (author created)	SSIS/SSRS – Social Skills	SSBPS - Social Competence	STRS - Closeness	TCRS – Social Competence	Behaviour Problems (author created)	SSIS - Internalizing Problems	SSIS - Externalizing Problems	SSIS/SSRS - Behaviours Problems	SSBPS – Behaviour Problems	STRS - Conflict	TCRS – Behaviour Problems
Total Score	Factor Version	Burchinal 2011 ³ – NCEDL ^A									■■೫							# #
Total	9 Scale Version	Sabol 2013 ^{4,A}									•★							•★
mains		Aikens 2012 ^{5,M}						•				<pre><</pre>						
CLASS Domains	Classroom Organization	Burchinal 2014 ⁷					*••					*						
C		Downer 2012 ⁹ – DLL ^A																
		Downer 2012 ⁹ – Latino ^A																

	Hamre 2014 ¹⁰										
	Hestenes 2015 ³⁶										
	Peisner-Feinberg 2008 ¹¹ - NC 07/08			**					*		
	Peisner-Feinberg 2013 ¹²										
	Weiland 2013 ¹³										
	Aikens 2012 ^{5,M}	 ••• •									
	Burchinal 2014 ⁷			*••			*				
	Curby 2013 ^{14,A}					★■■					■★
Emotional Support	Downer 2012 ⁹ – DLL ^A										-
Support	Downer 2012 ⁹ – Latino ^A										
	Hamre 2014^{10}										
	Hestenes 2015 ³⁶ Johnson 2013 ³⁷										
	Johnson 2013 ³⁷										
	Peisner-Feinberg 2008 ¹¹ - NC 07/08			*					*		
	Peisner-Feinberg 2013 ¹²										
	Reid 2013 ^{15,A}					0					
	Weiland 2013 ¹³										
Instructional	Aikens 2010 ^{16,B}			00			00				
Support	Burchinal 2014 ⁷		• •				*				

		Hamre 2014 ¹⁰										
		Hestenes 2015 ³⁶										
		Peisner-Feinberg 2008^{11} - NC 07/08 Peisner-Feinberg ¹²			*				*			
		Peisner-Feinberg ¹² 2013										
		Weiland 2013 ¹³										
		West 2010 ^{17,B}			0				0			
	Instructional Support (Language Modeling not included)	Downer 2012 ⁹ – DLL ^A					•					-
		Downer 2012 ⁹ – Latino ^A					•					
		Reid 2013 ^{15,A}					ο					
		Burchinal 2010 ^{18,A}					■■ * *					₩
	_	Burchinal 2011 ³ – NCEDL ^A					ж					೫
	Emotional Climate	Howes 2008 ^{22,A}				★■				★■		
CLASS Factors	Climate Keys 2013^{26} - NCEDL ^A Mashburn, Pianta $2008^{23,A}$											
SS F												
CLA		Burchinal 2008 ^{24,A}					\star					\star
	Instructional	Burchinal 2010 ^{18,A}					••					**
	Climate	Howes 2008 ^{22,A}				★■					★■	
		Mashburn, Pianta 2008 ^{23,A}										

lles	Language Modeling	Aikens 2010 ^{16,B}			00				00						
Subscales	Positive Climate	Aikens 2012 ^{5,M}	•••	••• ••	•••										
Lege	end for Table			I				I							
	Significant & Positive Significant & Negative					Nonsignificant					Statistic				
	*		*		*					r - Zero Order Pearson's Correlation					
	0		0		0					Beta					
									B (Unstandardized Coefficient)						
*			**		*				T-Test						
ж			Ж		ж				Partial Correlation						
•			•		•					F-Ratio					
•			✓			•					Effect Size				

Abbreviations: Total Score (factor ver.) = Total Score for Emotional Climate and Instructional Climate; Total Score (9 scale ver.) = Total Score with Language Modeling, Literacy Focus subscales not included. For more details please see Table 2 in the manuscript.

^aThis paper is one of a series of Meta-Analyses and Systematic Reviews assessing the relationship between child care quality and children's outcomes; therefore, superscript letters below are in reference to various large databases that samples in these papers were drawn from. These letters have been kept consistent across the series for our readers.

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