

Bilaga 1. Litteratursökning

Arbetet med en systematisk översikt kännetecknas av en omfattande och systematisk sökning av forskningslitteratur. Detta är en detaljerad beskrivning av den sökstrategi som använts i den systematiska översikten *Främja skrivkunskaper i de allra tidigaste skolåren* (Skolforskningsinstitutets systematiska översikter 2024:02).

Sökstrategin formuleras bland annat med hänsyn till lämpliga informationskällor samt vilka sökord och begränsningar som ska användas i de olika sökningarna. För att ha möjlighet att hitta forskning med olika aspekter och infallsvinklar relaterat till översiktens frågeställning har utgångspunkten i sökstrategin varit att genomföra en bred litteratursökning. Tabell A1 visar en översikt över de källor och söktekniker som använts. Redovisning av de exakta sökningarna i respektive källa följer nedan.

TABELL A1. Översikt över litteratursökningen

KÄLLA	ÄMNESOMRÅDE	SÖKTEKNIK
Internationella vetenskapliga databaser		
ERIC	Utbildning	Blocksökning/söksträng
Education Source	Utbildning	Blocksökning/söksträng
PsycINFO	Psykologi	Blocksökning/söksträng
Skandinaviska vetenskapliga databaser		
SwePub	Ämnesövergripande	Blocksökning/söksträng
JUULI	Ämnesövergripande	Blocksökning/söksträng
Oria.no	Ämnesövergripande	Blocksökning/söksträng

I många vetenskapliga databaser kan en sökning göras med hjälp av en söksträng som utformas som en kombination av flera sökord. I den här systematiska översikten kombinerades ett block av sökord relaterade till undervisning i läs-, skriv- och språkutveckling, med ett block av sökord relaterade till årskurs F–3. För att en studie skulle fångas av söksträngen, krävdes minst ett sökord från respektive block i studiens metadata, till exempel titel, sammanfattning eller ämnesord. Sökorden samlades in genom bland annat testsökningar och i nära samarbete med projektets forskare. De engelska sökorden kompletterades i de skandinaviska databaserna med svenska, och norska begrepp och söksträngen anpassades utifrån databasernas olika utformningar och konstruktioner. Litteratursökningarna genomfördes i februari 2023, och fångade studier publicerade från 2013 och framåt.

Blocksökning i vetenskapliga databaser

TABELL B1. Sökningar i ERIC

Ebsco Host: ERIC datum:230217		
BLOCK	SÖKSTRÄNG	ANTAL TRÄFFAR
BLOCK A: Läs- och skriv undervisning	(read* teaching) OR (teach read*) OR (reading instruction) OR "reading skills" OR "reading strateg*" OR (read* N3 scaffold*) OR (reading N2 learn*) OR	

(reading N3 fluen*) OR
"reading comprehension" OR
(reading N3 acquisition) OR
TI(reading N3 develop*) OR AB(reading N3 develop*) OR
(reading N3 knowledge) OR
(reading N3 accuracy) OR
(reading N3 improv*) OR
(reading N3 enhanc*) OR
(reading N3 support) OR
(reading N3 increase) OR
(reading N3 performance) OR
(reading N3 achieve*) OR
(reading intervention) OR
TI(reading effect*) OR AB(reading effect*) OR
"early reader*" OR
"struggling reader*" OR
"poor reader*" OR
(reading N3 difficult*) OR

(writ* teaching) OR (teach writ*) OR
(writing instruction) OR
(writing practice*) OR
"writing skills" OR
"writing strateg*" OR
(writ* N3 scaffold*) OR
(writ* N2 learn*) OR
(writing N3 disciplin*) OR
(writing N3 content) OR
(writing N3 acquisition) OR
TI(writing N3 develop*) OR AB(writing N3 develop*) OR
(writing N3 knowledge) OR
(writing N3 improve) OR
(writing N3 enhance) OR
(writing N3 support) OR
(writing N3 increase) OR
(writing N3 performance) OR
(writing N3 achieve*) OR
(writing intervention) OR
TI(writing effect*) OR AB(writing effect*) OR
TI(writing effect*) OR AB(writing effect*) OR
TI(handwriting) OR AB(handwriting) OR
(text teaching) OR(text instruction) OR
genre OR
"text type*" OR
(stor* N3 text) OR
(narrative N3 text) OR
(information* N3 text) OR
(argument* N3 text) OR
TI(spelling) OR AB(spelling) OR
TI(ortographic) OR AB(ortographic) OR
TI(punctuation) OR AB(punctuation) OR
TI(grammar) OR AB(grammar) OR
"early writer*" OR
(writ* N3 struggling) OR
"poor writer*" OR
(writing N3 difficult*) OR
"writing to learn" OR
"learning to write" OR
"WAC" OR "writing across the curriculum" OR
"content-area writing" OR

(linguistic teaching) OR (teach linguistic) OR
(linguistic instruction) OR
(linguistic N3 scaffold*) OR
(linguistic N3 strateg*) OR
"metalinguistic awareness" OR
(literacy teaching) OR (teach literacy) OR
(literacy instruction) OR

	(literacy practices) OR (literacy N3 scaffold*) OR (literacy language learning) OR (critical literacy) OR (oral teaching) OR (oral instruction) OR (oral N3 scaffold*) OR (oral N3 strateg*) OR (oral* N2 reading) OR (silent N2 reading) OR "oral communication" OR "oral language" OR (oral N2 skills) OR (oral N3 development) OR (oral N3 improv*) OR (oral N3 enhanc*) OR (oral N3 support) OR (oral intervention) OR (oral effect*) OR (vocabulary teaching) OR (teach vocabulary) OR (vocabulary instruction) OR (vocabulary N3 scaffold*) OR (vocabulary N2 learn*) OR (word N2 learning) OR "word reading" OR (vocabulary N3 acquisition) OR TI(vocabulary N3 develop*) OR AB(vocabulary N3 develop*) OR (vocabulary N3 knowledge) OR (vocabulary N3 achieve*) OR (vocabulary intervention) OR TI(vocabulary effect*) OR AB(vocabulary effect*) OR (phonological teaching) OR (teach phonological) OR (phonological instruction) OR "phonological awareness" OR (phonological N3 improv*) OR (phonological N3 development*) OR (phonological N2 learn*) OR (phonological N3 strateg*) OR (phonological N3 scaffold*) OR "phonological skills" OR (phonological decoding) OR "decoding skills" OR (phonetic awareness) OR (phonemic awareness) OR (phon* intervention) OR (phon* effect*) OR (morphological awareness) OR (semantic awareness) OR (pragmatic awareness) OR (syntactic awareness)	
BLOCK B: F-3	Education level: Kindergarten, grade 1, grade 2, grade 3	
BLOCK C: Begränsningar	Peer Reviewed Source Type: Academic Journals Publication date: From 2013 Language: english	
Sökning	BLOCK A AND BLOCK B AND BLOCK C	3391

TABELL B2. Sökningar i Education Source

Ebsco Host:
Education Source
datum:230217

Främja skrivkunskaper i de allra tidigaste skolåren. Systematisk översikt 2024:02.
Skolforskningsinstitutet, 2024

BLOCK	SÖKSTRÄNG	ANTAL TRÄFFAR
BLOCK A: Undervisning läs, skriv- och språk	<p>(read* teaching) OR (teach read*) OR (reading instruction) OR "reading skills" OR "reading strateg*" OR (reading N2 learn*) OR (reading N3 fluen*) OR "reading comprehension" OR (reading N3 acquisition) OR TI(reading N3 develop*) OR AB(reading N3 develop*) OR (reading N3 knowledge) OR (reading N3 accuracy) OR (reading N3 improv*) OR (reading N3 enhanc*) OR (reading N3 support) OR (reading N3 increase) OR (reading N3 performance) OR (reading N3 achieve*) OR (reading intervention) OR TI(reading effect*) OR AB(reading effect*) OR "early reader*" OR "struggling reader*" OR "poor reader*" OR (reading N3 difficult*) OR</p> <p>(writ* teaching) OR (teach writ*) OR (writing instruction) OR (writing practice*) OR "writing skills" OR "writing strateg*" OR (writ* N2 learn*) OR (writing N3 disciplin*) OR (writing N3 content) OR (writing N3 acquisition) OR TI(writing N3 develop*) OR AB(writing N3 develop*) OR (writing N3 knowledge) OR (writing N3 improve) OR (writing N3 enhance) OR (writing N3 support) OR (writing N3 increase) OR (writing N3 performance) OR (writing N3 achieve*) OR (writing intervention) OR TI(writing effect*) OR AB(writing effect*) OR TI(writing effect*) OR AB(writing effect*) OR TI(handwriting) OR AB(handwriting) OR (text teaching) OR (text instruction) OR genre OR "text type*" OR (stor* N3 text) OR (narrative N3 text) OR (information* N3 text) OR (argument* N3 text) OR TI(spelling) OR AB(spelling) OR TI(ortographic) OR AB(ortographic) OR TI(punctuation) OR AB(punctuation) OR TI(grammar) OR AB(grammar) OR "early writer*" OR (writ* N3 struggling) OR "poor writer*" OR (writing N3 difficult*) OR "writing to learn" OR "learning to write" OR "WAC" OR "writing across the curriculum" OR "content-area writing" OR</p> <p>(linguistic teaching) OR (teach linguistic) OR</p>	

(linguistic instruction) OR
"metalinguistic awareness" OR
(literacy teaching) OR (teach literacy) OR
(literacy instruction) OR
(literacy practices) OR
(literacy language learning) OR
(critical literacy) OR

(oral teaching) OR
(oral instruction) OR
(oral* N2 reading) OR (silent N2 reading) OR
"oral communication" OR
"oral language" OR
(oral N2 skills) OR
(oral N3 development) OR
(oral N3 improv*) OR
(oral N3 enhanc*) OR
(oral N3 support) OR
(oral intervention) OR
(oral effect*) OR

(vocabulary teaching) OR (teach vocabulary) OR
(vocabulary instruction) OR
(vocabulary N2 learn*) OR (word N2 learning) OR "word reading" OR
(vocabulary N3 acquisition) OR
TI(vocabulary N3 develop*) OR AB(vocabulary N3 develop*) OR
(vocabulary N3 knowledge) OR
(vocabulary N3 achieve*) OR
(vocabulary intervention) OR
TI(vocabulary effect*) OR AB(vocabulary effect*) OR

(phonological teaching) OR (teach phonological) OR
(phonological instruction) OR
"phonological awareness" OR
(phonological N3 improv*) OR
(phonological N3 development*) OR
(phonological N2 learn*) OR
(phonological N3 strateg*) OR
"phonological skills" OR
(phonological decoding) OR
"decoding skills" OR
(phonetic awareness) OR
(phonemic awareness) OR
(phon* intervention) OR
(phon* effect*) OR
(morphological awareness) OR
(semantic awareness) OR
(pragmatic awareness) OR
(syntactic awareness)

BLOCK B: F-3

"grade 1" OR "grade one" OR "first grade*" OR
"grade 2" OR "grade two" OR "second grade*" OR "2nd grade" OR
"grade 3" OR "grade three" OR "third grade*" OR "3rd grade" OR
"grades 1" OR "grades 2" OR "grades 3" OR
TI ((six OR 6) year* old*) OR AB ((six OR 6) year* old*) OR
TI ((seven OR 7) year* old*) OR AB ((seven OR 7) year* old*) OR
TI ((eight OR 8) year* old*) OR AB ((eight OR 8) year* old*) OR
TI ((nine OR 9) year* old*) OR AB ((nine OR 9) year* old*) OR
kindergarten* OR
("early school*") OR
("early years" N3 school*) OR
("early reading") OR
("early writing") OR
"Early reader*" OR "Early writer*" OR
TI(Early N3 elementary) OR AB(early N3 elementary) OR SU("early
elementary")
TI(Early N3 primary) OR AB(early N3 primary) OR

((TI(elementary) OR AB(elementary) OR SU(elementary)) AND
("struggling reader*" OR (struggling N2 writer*) OR
(TI(elementary) OR AB(elementary) OR SU(elementary)) AND ("poor
reader*" OR (poor N2 writer*) OR "poor reader*" OR poor writer*)) OR
(TI(primary) OR AB(primary) OR SU(primary)) AND ("poor reader*" OR
(poor N2 writer*) OR "poor reader*" OR poor writer*))

BLOCK C: Begränsningar	Peer Reviewed Source Type: Academic Journals Publication date: From 2013 Language: english
Sökning	BLOCK A AND BLOCK B AND BLOCK C
	4361

TABELL B3. Sökningar i PsycInfo

Ebsco Host: PsycInfo datum:230217		
BLOCK	SÖKSTRÄNG	ANTAL TRÄFFAR
BLOCK A: Läs- och skriv undervisning	DE "Reading" OR DE "Braille" OR DE "Remedial Reading" OR DE "Silent Reading" OR DE "Reading Achievement" OR DE "Reading Comprehension" OR DE "Reading Development" OR DE "Reading Education" OR DE "Reading Skills" OR DE "Reading Comprehension" OR DE "Reading Speed" OR DE "Word Recognition" OR DE "Reading Speed" OR DE "Oral Reading" OR DE "Oral Communication" OR DE "Vocalization" OR DE "Verbal Fluency" OR DE "Writing Skills" OR DE "Written Communication" OR DE "Academic Writing" OR DE "Creative Writing" OR DE "Journal Writing" OR DE "Note Taking" OR DE "Text Structure" OR DE "Written Language" OR DE "Alphabets" OR DE "Handwriting" OR DE "Phonological Awareness" OR DE "Phonetics" OR DE "Phonics" OR DE "Phonology" OR DE "Semantics" OR DE "Morphology (Language)" OR DE "Vocabulary" OR DE "Cognitive Linguistics" OR DE "Metalinguistics" OR DE "Orthography"	
BLOCK B: F-3	"grade 1" OR "grade one" OR "first grade*" OR "grade 2" OR "grade two" OR "second grade*" OR "2nd grade" OR "grade 3" OR "grade three" OR "third grade*" OR "3rd grade" OR "grades 1" OR "grades 2" OR "grades 3" OR	

kindergarten* OR
 ((TI ((six OR 6) year* old*) OR AB ((six OR 6) year* old*) OR
 TI ((seven OR 7) year* old*) OR AB ((seven OR 7) year* old*) OR
 TI ((eight OR 8) year* old*) OR AB ((eight OR 8) year* old*) OR
 TI ((nine OR 9) year* old*) OR AB ((nine OR 9) year* old*) OR
 ("early reading") OR
 ("early writing") OR
 "Early reader*" OR "Early writer*" OR
 ("early school*") OR
 ("early years" N3 school*) OR
 "early elementary" OR
 (("struggling reader" OR "struggling writer") AND (elementary OR
 primary)) OR
 (("poor reader" OR "poor writer") AND (elementary OR primary) AND
 (teach OR teaching OR instruction OR classroom* OR school* OR
 education*))

BLOCK C: Begränsningar	Peer Reviewed Source Type: Academic Journals Publication date: From 2013 Language: english
Sökning	BLOCK A AND BLOCK B AND BLOCK C
	2972

TABELL B4. Sökning i SwePub

SwePub 20230220		
BLOCK	SÖKSTRÄNG	ANTAL TRÄFFAR
Block A:	(reading instruction) OR (writing instruction) OR (teaching reading) OR (teaching writing) OR (phonological awareness) OR (vocabulary instruction) OR läs* OR skriv* OR språkutveckling OR muntlig* OR fonologisk OR ordavkodning* OR ordförråd* OR ordförståelse	
Block B: F-3	(school* OR classroom* OR teach* OR klassrum* OR skol* OR lära* OR lågstadi* OR förskoleklass* OR "årskurs 1" OR "årskurs 2" OR "årskurs 3")	
Block C: Begränsningar	Typ av publikation/innehåll: Tidskriftsartikel, Referegranskad: Doktorsavhandlingar År: Från 2013	
Sökning	Block A AND Block B AND Block C	552 + 169

TABELL B5. Sökning i Oria.no

Oria.no 20230220		
BLOCK	SÖKSTRÄNG	ANTAL TRÄFFAR
Block A:	"Reading instruction" OR "writing instruction" OR ((lese* OR skriv* OR fonologisk OR ordförråd OR ordforståelse OR muntlig) AND (skole* OR klasserum* OR lærer OR barneskole* OR førskoleklasse))	
Block B: Begränsningar	Typ av publikation/innehåll: Vetenskapliga artiklar, doktorsavhandlingar År: Från 2013	
Sökning	Block A AND Block B	48 + 65 + 29

TABELL B6. Sökning i JUULI.fi

JUULI 20230220		
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Skolforskningsinstitutet, 2024

BLOCK	SÖKSTRÄNG	ANTAL TRÄFFAR
Block A:	(reading instruction) OR (writing instruction) OR (teaching reading) OR (teaching writing) OR (phonological awareness) OR Vocabulary instruction OR	16 3 16 16 13
	Läsförmåga OR Läsundervisning OR Läskunnighet OR Läsinläring OR Läsning OR Skrivförmåga OR Skrivundervisning OR Skrivkunnighet OR Skrivinläring OR Ordförståelse OR Ordförråd OR Fonologisk OR muntlig	1 0 0 0 0 7 0 0 0 0 0 1 0 3
Block B: Begränsningar	Typ av publikation/innehåll: Referentgranskade vetenskapliga artiklar och avhandlingar År: Från 2013	
Sökning	Block A AND Block B	76