

## Bilaga till rapport

Främjande av psykiskt välbefinnande hos barn och ungdomar: En fördjupad analys av SELprogrammen / Promoting mental well-being in children and adolescents: In-depth analysis of SEL programmes, rapport 373 (2024)

## Bilaga 4 Tabell över inkluderade studier från uppdateringssökningen

## Appendix 4 Table of included studies from the updated search

## SEL-program

Author	Allen
Year	2020
Country	USA
Ref	[1]
Study design	Randomized controlled trial
Study protocol	No information
Setting	High school
Inclusion criteria	Informed consent from parents and assent from students was obtained prior to randomization
Follow up	Prior to the beginning of the intervention, in the week immediately following completion (12
	weeks) of the intervention, and 4 months following completion of the intervention.
Population	High school children, year 10
characteristics	Intervention group:
	Age; Mean (SD): Not stated
	Sex;(Percent girls): 50.3 %
	Socioeconomic/educations; Mean (SD):
	Parental education (1 = less than high school to 4 = college graduate or higher): 3.02 (1.02)
	(Free or reduced school lunch for total population: 67%, not specified on group level)
	Control group:
	Age; Mean (SD): Not stated
	Sex (Percent girls): 52.5
	Socioeconomic/educations; Mean (SD):
	Parental education (1 = less than high school to 4 = college graduate or higher): 3.04 (1.02)
	(Free or reduced school lunch for total population: 67%, not specified on group level)
Intervention program	The Connection Project

Intensity: One 45-60 min sessions / weekDuration: 12 weeksAttendance Mean (SD): 9.8 (2.7)Implementation:322Drop-outs (n)End of intervention: 544 months follow up: 24Program DelivererClassroom teachersTraining: 2-day workshop led by the authors. Weekly or biweekly supervision via video conferwas then provided.Comparison programCommon school curriculum (no specific program)	nce
Attendance Mean (SD): 9.8 (2.7)Implementation:Participants (n)322Drop-outs (n)End of intervention: 544 months follow up: 24Program DelivererClassroom teachersTraining: 2-day workshop led by the authors. Weekly or biweekly supervision via video conferwas then provided.	nce
Implementation:Participants (n)322Drop-outs (n)End of intervention: 544 months follow up: 24Program DelivererClassroom teachersTraining: 2-day workshop led by the authors. Weekly or biweekly supervision via video confer was then provided.	nce
Participants (n)       322         Drop-outs (n)       End of intervention: 54         4 months follow up: 24         Program Deliverer       Classroom teachers         Training: 2-day workshop led by the authors. Weekly or biweekly supervision via video confer         was then provided.	nce
Drop-outs (n)       End of intervention: 54         4 months follow up: 24         Program Deliverer       Classroom teachers         Training: 2-day workshop led by the authors. Weekly or biweekly supervision via video confer         was then provided.	nce
Program Deliverer       4 months follow up: 24         Classroom teachers         Training: 2-day workshop led by the authors. Weekly or biweekly supervision via video confer         was then provided.	nce
Program Deliverer       Classroom teachers         Training: 2-day workshop led by the authors. Weekly or biweekly supervision via video conferwas then provided.	nce?
Training: 2-day workshop led by the authors. Weekly or biweekly supervision via video confer was then provided.	nce?
was then provided.	nce
Comparison program Common school curriculum (no specific program)	
Participants (n) 288	
Drop-outs (n) End of intervention: 38	
4 months follow up: 29	
Program Deliverer Not applicable	
Outcomes Outcome	
Coping strategies:	
Coping scale, Coping scale indication	
SMD: 0.19, 95% CI (0.00 to 0.38); p=0.04	
Comments Additional outcomes:	
Comfort with classmates and Peer-rated approachability; rate each student in	
terms of how comfortable they felt around them, with ratings ranging from 1 = I always keep	ту
guard up to 5 = I'm always ope.	
Risk of bias Moderate	

Author	Al-Jbouri
Year	2023
Country	Canada
Ref	[2]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Kindergarten to Grade 8
Inclusion criteria	Parental consent.
Follow up	End of intervention, 3 months.
Population	Schoolchildren and teachers
characteristics	
	Intervention group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Casterland
	Control group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Total population:
	Age: 4-14
	Sex;(Percent girls): 49%
	Socioeconomic/educations; Mean (SD): According to Statistics Canada (2016), Median income
	levels ranged from \$24,000–47,000 (M = \$36,000).
Intervention program	The Faith and Wellness: A Daily Mental Health Resource
Program extent	Number of sessions: 80 daily sessions
	Intensity: 5-15 minutes
	Duration: 3 months
	Attendance: No information
	Implementation: teachers reported implementing the practices between 7 and 26 times over the
	3-month implementation period (M = 14.67, SD = 6.22).
Participants (n)	100 (a total of 257 participating students (39% Group 1))
Drop-outs (n)	183 students completed T2 surveys (76% total retention; 63% Group 1 retention)
Program Deliverer	Classroom teachers
	Training: teachers were provided with an overview of the intervention website, including where to
	find an introductory video that explained use of the resource, background information, and
	supporting evidence for practices within the resource.
Comparison program	Regular curriculum
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Participants (n)	157
Drop-outs (n)	183 students completed T2 surveys (76% total retention; 63% Group 1 retention)
Program Deliverer	Not applicable
Outcomes	Outcome
	SEL Confidence         SEL Confidence. Students' confidence with each of the six specific SEL skill categories was         measured with a six-item scale, using a five point Likert scale ranging from 1 = Not at All         confident to 5 = Extremely Confident (Assessment Work Group, 2019).         General Well-Being.         Students' well-being was measured using the Stirling Children's Well Being Scale (Liddle & Carter, 2015).
Comments	
Risk of bias	Moderate

Author	Arda Tuncdemir
Year	2022
Country	USA
Ref	
Study design	Randomized controlled trial
Study protocol	No information
Setting	Childcare centre
Inclusion criteria	Parental consent and children verbal consent.
Follow up	End of intervention
Population	Pre-kindergarten Children aged 3-5
characteristics	Intervention group:
	Age; Mean (SD): 48.49 (7.20) months
	Sex;(Percent girls): 35.13
	Socioeconomic/educations; Mean (SD): The childcare centre serves children primarily from low-
	income families.
	Control group:
	Age; Mean (SD): 49.78 (5.16) months
	Sex;(Percent girls): 61.11
	Socioeconomic/educations; Mean (SD): The childcare centre serves children primarily from low-
	income families.
Intervention program	Philosophical Ethics in Early Childhood (PEECh)
Program extent	Number of sessions: 9
	Intensity: 30-45 minutes lessons once per week
	Duration: 4 months
	Attendance: No information
	Implementation: No information
Participants (n)	37
Drop-outs (n)	No information
Program Deliverer	Teachers
	Training: 1-day training workshop given by PEECh researchers
Comparison program	Reading of the same PEECh-stories but not followed by the full PEECh-program
Participants (n)	36
Drop-outs (n)	No information
Program Deliverer	Teachers
Outcomes	Outcome
	Interpersonal relationships and emotion regulation
	The Head Start Competence Scale (HSCS)—Teacher Version (Domitrovich et al., 2001b)

	Emotion regulation and understanding
	The Head Start Competence Scale (HSCS)—Parent Version (Domitrovich et al., 2001a)
Comments	Non quantifiable outcomes:
	Teacher Questionnaire (pre-intervention)
	Parent Questionnaire (pre-and post-intervention)
	Teacher semi-structured interviews (pre- and post-intervention)
	Child semi-structured interview (pre- and post-intervention)
Risk of bias	Moderate

Author	Coelho
Year	2021
Country	Portugal
Ref	[4]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Middle school
Inclusion criteria	Parental consent.
Follow up	Posttest and follow-up 10 months later after transition from middle school
Population	Intervention group:
characteristics	Age; Mean (SD): No information
	Sex;(Percent girls): 48.6%
	Socioeconomic/educations; Mean (SD): No information
	Control group:
	Age; Mean (SD): No information
	Sex;(Percent girls): 49.3%
	Socioeconomic/educations; Mean (SD): No information
	Total population:
	Age; Mean (SD): 9.14 (0.64)
	Sex;(Percent girls): 48.8%
	Socioeconomic/educations; Mean (SD): 34.7% to 39.8% of students per class eligible for free or
	reduced lunches.
Intervention program	Fourth-Grade Positive Attitude SEL Program
Program extent	Number of sessions: 13 weekly sessions
	Intensity: 60 min
	Duration: 3 Months
	Attendance: No information
	Implementation: No information
Participants (n)	702
Drop-outs (n)	44
Program Deliverer	Trained educational psychologists
	Training: No information
Comparison program	Regular curriculum
Participants (n)	361
Drop-outs (n)	24
Program Deliverer	Not applicable
Outcomes	Outcome

	Social and Emotional Competencies
	Portuguese version of the Bateria de Socialização-3 (BAS-3; Portuguese adaptation by Ferreira &
	Rocha, 2004)
	<u>Self-Esteem</u>
	General Self scale from the Self-Description Questionnaire I (SDQ I; Marsh, 1988; Portuguese
	adaptation by Faria & Fontaine, 1990)
Comments	Study aimed to analyze the program's differential effectiveness, according to gender, classroom
	size, and especially school climate dimensions (student–student relationships and teacher–
	student relationships).
Risk of bias	Moderate

Author	Domitrovich
Year	2022
Country	USA
Ref	[5]
Study design	Randomized controlled trial
Study protocol	No information
Setting	under-resourced, midsized urban school district
Inclusion criteria	Parent permission student and agreed, themselves, to participate.
Follow up	3 months after end of intervention
Population	7th and 8th grade students
characteristics	Intervention group:
	Age; Mean (SD): 12.60 (0.73)
	Sex;(Percent girls): 58.89%
	Socioeconomic/educations; Mean (SD): 86% of all students in the district qualified for free and
	reduced lunch.
	Control group:
	Age; Mean (SD): 12.68 (0.80)
	Sex;(Percent girls): 60.24%
	Socioeconomic/educations; Mean (SD): 86% of all students in the district qualified for free and
	reduced lunch.
Intervention program	Choices in Little Rock unit of Facing History and Ourselves
Program extent	Number of sessions: No information
	Intensity: No information
	Duration: One semester
	Attendance: No information
	Implementation: Teachers reported that they taught 81% of lesson components in Year 1 (range
	43-100%) and 88% in Year 2 (range = $81-95%$ ).
	In Year 1, teachers' mean ratings of their quality of delivery (averaged across lessons) ranged
	from $2.89-3.79$ (M = $3.31$ ), and in Year 2, average ratings of quality of delivery ranged from $3.6-$
	4.0 (M = 3.76).
Participants (n)	437
Drop-outs (n)	48
Program Deliverer	Classroom teachers
	Training: two 3-day workshops (approximately 35–40 h of training) in the semester before the
	intervention, and a one day booster session in the beginning of the program followed by one,
	hour-long individual coaching meeting after the training to help them plan their implementation.
Comparison program	Standard curriculum
Comparison program	
Participants (n)	257

Drop-outs (n)	51
Program Deliverer	Not applicable
Outcomes	Outcome
	Social-emotional competencies
	- Empathy
	The 6-item Empathic Concerns subscale Interpersonal Reactivity Index (Davis, 1983)
	- Prosocial behavior
	5-item prosocial behavior scale from the Strengths and Difficulties Questionnaire (SDQ)
Comments	
Risk of bias	Moderate

Author	Green
Year	2022
Country	USA
Ref	[6]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Urban public high schools.
Inclusion criteria	Parental consent.
Follow up	13 weeks after start of intervention.
Population	Students in 9th through 12th grade.
characteristics	Intervention group:
characteristics	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Control group:
	Age; Mean (SD): No information Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Soloconomic/educations, weam (SD). No information
	Total population:
	Age; Mean (SD): 15.7
	Sex;(Percent girls): 52%
	Socioeconomic/educations; Mean (SD): Most of the students included in the study sample (90.6%)
	received free or reduced-price lunch, an indicator of poverty.
Intervention program	Speaking to the Potential, Ability, and Resilience Inside Every Kid (SPARK) Teen Mentoring
	Program
Program extent	Number of sessions: 13 weekly sessions
	Intensity: 1 hour
	, Duration: 13 weeks
	Attendance: On average, students in the intervention condition attended 11.48 of the 13 SPARK
	sessions.
	Implementation: The average rating across facilitators and sessions on the Session Fidelity Rating
	Scale was 3.96 out of 4.00.
Participants (n)	200
Drop-outs (n)	16
Program Deliverer	Trained SPARK facilitators.
0	Training: 20 h of training in the intervention model and data collection procedures, including the
	standardized collection of data, privacy and confidentiality, and security of information.
	standar and security of information.

Comparison program	Regular curriculum
Participants (n)	172
Drop-outs (n)	8
Program Deliverer	Not applicable
Outcomes	Outcome
	Communication, decision making, and problem-solving Skills
	Communication, Decision Making, and Problem-Solving scale (CDP) developed by
	authors, based on National Life Skills Evaluation System scales of decision making,
	problem solving, and communication.
	- Communication Skills
	- Decision-Making Skills
	- Problem-Solving
	Difficulties in emotional regulation
	Impulse and Clarity subscales from the short form of the Difficulties in Emotional
	Regulation Scale (elaiSF; Kaufman et al., 2016).
	- Clarity
	- Impulse
	Resilience
	Three subscales from the Resiliency Scales for Children and Adolescents (RSCA; Prince-
	Embury, 2007), Sense of Relatedness subscale (24 items), the Sense of Mastery subscale
	(20 items), and the Optimism subscale (7 items).
	- Relatedness
	- Mastery
	- Optimism
Comments	
Risk of bias	Moderate

Author	Justicia-Arraez
Year	2021
Country	Spain
Ref	[7]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Preschool centers
Inclusion criteria	Premission from school and parental consent.
Follow up	4 weeks after end of intervention (12 weeks).
Population	Children aged 3-4 years
characteristics	Intervention group:
	Age; Mean (SD): 42.64 (3.57) months
	Sex;(Percent girls): 57.69%
	Socioeconomic/educations; Mean (SD): middle socioeconomic level
	Control group:
	Age; Mean (SD): 42.46 (3.31) months
	Sex;(Percent girls): 53.06%
	Socioeconomic/educations; Mean (SD): middle socioeconomic level
Intervention program	Aprender a Convivir 1 program (AC1 program)
Program extent	Number of sessions:12
	Intensity: 45 min sessions twice per week
	Duration: 12 weeks
	Attendance:
	Implementation:
Participants (n)	52
Drop-outs (n)	No information
Program Deliverer	A trained teacher from outside the research
	Training: Two 5-h training sessions
Comparison program	Regular curriculum
Participants (n)	49
Drop-outs (n)	No information
Program Deliverer	Not applicable
Outcomes	Outcome
	The Observation Scale of the Aprender a Convivir program for 3-year-old children (ROAC-3) [43]
	- emotion identification and expression (Casel 1)
	- emotion regulation (Casel 2)
	- communication skills (Casel 4)

	- sharing and helping (Casel 4)
	- sharing personal belongings (Casel 4)
	- solving problems (Casel 5)
	<u>Social skills</u>
	Spanish version [44] of the Preschool and Kindergarten Behavior Scale for Teachers and
	Caregivers (PKBS-2) [45].
	- Social cooperation
	- Social interaction
	- Social independence
Comments	
Risk of bias	Moderate

Author	Kapetanovic
Year	2022
	Sweden
Country Ref	
	[8] Randomized controlled trial
Study design	
Study protocol	No information
Setting	Preschool
Inclusion criteria	Not specified
Follow up	End of the school year (end of intervention)
Population	Children aged four to five years old
characteristics	Intervention group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Control group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Total population:
	Age; Mean (SD): 4.44 (0.5) years
	Sex;(Percent girls): 50.9 %
	Socioeconomic/educations; Mean (SD): 42.9% (n = 118) of the children attended preschools in
	economically disadvantaged neighborhoods and 57.1% (n = 157) of the children attended
	preschools in economically advantaged neighborhoods
Intervention program	Promoting Alternative Thinking Strategies (PATHS)
Program extent	Number of sessions: 33
	Intensity: Once per week, 15-20 minutes
	Duration: 1 school year
	Attendance: No information
	Implementation: No information
Participants (n)	145
Drop-outs (n)	No information
Program Deliverer	Classroom teachers.
	Training: two-day training by a certified PATHS trainer, followed by a 1-day booster training.
Comparison program	Regular curriculum, wait-list
Participants (n)	130
Drop-outs (n)	No information

Program Deliverer	Not applicable
Outcomes	Outcome
	Emotional knowledge
	The Assessment of Children's Emotional Skills (ACES; Schultz et al., 2004)
	Emotional awareness and social problem solving
	Challenging Situations Task (CST; Denham et al., 1994)
Comments	Secondary and distal outcomes
	Prosocial/communication skills, emotional self-regulation, and academic skills.
	Social Competence Scale (SCS; Sorensen and Dodge, 2016), teacher reported
	Children's ability to cooperate, interact, and show independence in social situations
	Preschool and Kindergarten Behavior Scales (PKBS; Merrell, 1996), teacher reported
	Prosocial/communication skills
	SCS (Sorensen and Dodge, 2016). Observer reported.
	The study aims were to investigate 1) the baseline group differences in social emotional
	competence and adjustment depending on the neighborhood income level and 2) to determine if
	neighborhood income level moderated the effects of PATHS on children's social emotional
	competence and adjustment from pre to posttest.
Risk of bias	Moderate

Author	Kats Gold
Year	2021
Country	Israel
Ref	[9]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Preschool
Inclusion criteria	Parental consent
Follow up	End of intervention
Population	Older- (mean age 5.5 years) kindergarten children
characteristics	Intervention group:
	Age; Mean (SD): 66.37 (3.91) months
	Sex;(Percent girls): 61%
	Socioeconomic/educations; Mean (SD):
	Average 58.7%
	Above average 34.8%
	Below average 6.5%
	Control group:
	Age; Mean (SD): 64.28 (3.16) months
	Sex;(Percent girls): 44%
	Socioeconomic/educations; Mean (SD):
	Average 67.5%
	Above average 30%
	Below average 2.5%
Intervention program	I Can Succeed for Preschools (ICS–PS).
Program extent	Number of sessions:
	Intensity:
	Duration: 7 months
	Attendance: 90–100% participation rates for children
	Implementation: teachers reported delivering between 95% and 100% of the tools in the
	curriculum
Participants (n)	49
Drop-outs (n)	Out of 98 potential participants, only one parent refused to permit his child to
,	participate; five additional children were absent during data collection.
Program Deliverer	Classroom teacher
	Training: two hour-long meetings with the principal researcher (a school psychologist) and a
	research assistant (MA student in psychology) every 3 weeks beginning September throughout
	the whole school year.
Comparison program	
Comparison program	Regular curriculum

Participants (n)	43
Drop-outs (n)	Out of 98 potential participants, only one parent refused to permit his child to
	participate; five additional children were absent during data collection.
Program Deliverer	Not applicable
Outcomes	Outcome
	<u>Emotional Skills</u>
	Emotion Matching Task (EMT; Izard et al., 2003)
	Interpersonal/social Skills
	Social Skills Rating System (SSRS; Gresham & Elliot, 1990)
Comments	
påRisk of bias	Moderate

Author	Kemple
Year	2019
Country	USA
Ref	
Study design	quasi-experimental controlled study
Study protocol	No information
Setting	Pre-school
Inclusion criteria	Each classroom lead teacher was asked to nominate the 3 most socially competent children in the
	class, as well as the three least socially competent children in the class.
Follow up	End of school year (spring).
Population	Intervention group:
characteristics	Age; Mean (SD): 3.41 years (0.51)
	Sex;(Percent girls): 52.9
	Socioeconomic/educations; Mean (SD): All programs served primarily middle-class families.
	Control group:
	Age; Mean (SD): 3.75 years (0.45)
	Sex;(Percent girls): 40
	Socioeconomic/educations; Mean (SD): All programs served primarily middle-class families.
Intervention program	Preschool-kindergarten version of the Second Step program (Committee for Children 2002)
Program extent	Number of sessions: 28
	Intensity: Once or twice per week
	Duration: 28 weeks
	Attendance: More than 80% of the intervention period.
	Implementation: this study did not include systematic collection of data to demonstrate fidelity
	of implementation by the teachers in the experimental group.
Participants (n)	17
Drop-outs (n)	Initially 45 children, however 8 children were excluded from analyses because the child
	dropped from the program during the study, or because of incomplete data due to high
	absenteeism. Not stated from which group.
Program Deliverer	Classroom teachers
	Training: Teachers' training had consisted of a 2-h training by a trainer who had been directly
	trained by Committee for Children (creators of Second Step) personnel, followed by monthly
	oversight and mentoring for appropriate implementation. All teachers had previously been using
	it for at least 1 year.
Comparison program	
Comparison program	Regular curriculum
Participants (n)	20
Drop-outs (n)	Initially 45 children, however 8 children were excluded from analyses because the child

	dropped from the program during the study, or because of incomplete data due to high
	absenteeism. Not stated from which group.
Program Deliverer	Not applicable
Outcomes	Outcome
	Teacher-Rated Child Behavior
	The preschool level of the Social Skills Rating System-Teacher form (SSRS-T; Gresham and Elliott
	1990) was completed by the classroom lead teachers
	- children's social skills
	-
Comments	Other outcomes:
	The Second Step Knowledge Assessment Interview (Committee for Children 2004);
	anger management, perspective taking, determining the emotional state of another, and social
	problem solving.
Risk of bias	Moderate

Author	Kim
Year	2023
Country	Lebanon
Ref	[11]
Study design	Cluster Randomized controlled trial
Study protocol	No information
Setting Inclusion criteria	Nonformal remedial education programming
	enrolled in Lebanese public primary schools were eligible for the program
Follow up	End of intervention
Population	Children age 5-16
characteristics	Intervention group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Control group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Total population:
	Age; Mean (SD): 9.16 (2.34)
	Sex;(Percent girls): 50%
	Socioeconomic/educations; Mean (SD): Over 94% of Syrian refugee families in the sample lived in
	extreme poverty, classified by the criteria of the total income of less than \$2.87/person per day.
Intervention program	Tutoring in a Healing Classroom (HCT) with Five-Component SEL Curriculum (5CSEL)
Program extent	Number of sessions: 63 lessons
	Intensity: 30 min 3 days per week
	Duration: 21 weeks
	Attendance: No information
	Implementation: Teachers in the HCT + 5CSEL sites taught 59 5CSEL lessons on average (SD =
	9.20; range 19–65) of the 63 lesson plans. Some teachers (n= 30) implemented more than 63
	sessions, offering 1–2 repeat SEL lessons.
Participants (n)	2044
Drop-outs (n)	28
Program Deliverer	Classroom teachers
	Training: 3-day training on the 5CSEL curriculum. In addition to these training, all teachers
	received continuous professional development through regular mentoring and peer support group
	meetings.

Participants (n)	2322
Drop-outs (n)	49
Program Deliverer	Classroom teachers
Outcomes	Outcome
	Emotion Regulation and Perseverance
	Adaption the social situation scale of the Assessment of Children's Emotion Skills (Schultz et al.,
	2004).
	- Situational Emotion Identification
	The eight-item Emotional and Behavioral Regulation scale of the TOOLSEL (Kim et al., 2021)
	- Emotional and Behavioral Regulation (Teacher Report)
	Self-Regulation Assessment–Assessor Report (SRA-AR; Smith-Donald et al., 2007)
	- Behavioral Regulation
	Positive Social Skills
	Two subscales of TOOLSEL (Kim et al., 2021)—the Prosocial Behavior and Academic Engagement
	and the Social Problems scales
	- teacher assessment of children's social skills
	-
	Mental Health and Well-Being
	Four items of the Positive and Negative Affect Schedule-Child (Ebesutani et al., 2012: happy, mad,
	scared, sad)
	- positive affect
	- negative affect
Comments	
Risk of bias	

Author	Kopelman-Rubin
Year	2021
Country	Israel
Ref	[12]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Public elementary inner-city schools
Inclusion criteria	Informed consent
Follow up	Data were collected four times over two school years: baseline (beginning of year one), end of
	year one, beginning of year two, and at program termination (end of year two).
Population	Fourth grade students
characteristics	Intervention group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Control group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): No information
	Total population:
	Age; Mean (SD): 9.5 (0.53)
	Sex;(Percent girls): 48.7%
	Socioeconomic/educations; Mean (SD): Six of seven schools were ranked at the highest SES
	national level (comprised of parents' education, family income, and percentage of immigrants).
	One school was ranked at the second-highest SES national level. This school participated in the
	ICS-ES group.
Intervention program	I Can Succeed-Elementary School (ICS-ES)
Program extent	Number of sessions: Teachers delivered the ICS-ES intervention within the daily curriculum.
0	Intensity: 45-minute lessons
	Duration: 2 years
	Attendance: No information
	Implementation: On a scale ranging from 1 = not at all to 5 = very much, teachers reported an
	average of 4.26 (SD = $0.65$ ) when rating their delivery of the required elements of the program
Participants (n)	
	No information
Drop-outs (n)	
Program Deliverer	Training: 30 hours of didactic and experiential training in ICS-ES theoretical background and
	contents. Bimonthly meetings with an ICS-ES leader for two hours of supervision.

Comparison program	Regular curriculum
Participants (n)	136
Drop-outs (n)	No information
Program Deliverer	Not applicable
Outcomes	Outcome
	<u>Social skills</u>
	The Social Skills Improvement System (SSIS; Gresham & Elliott, 2008), student self-report
	- communication, cooperation, assertiveness, responsibility, empathy, and self-control
	-
Comments	Other outcomes:
	To measure fidelity, after each module, teachers completed a questionnaire
	Teacher satisfaction with program and training questionnaire
Risk of bias	Moderate

Author	Malinauskas
Year	2021
Country	Lithuania
Ref	
Study design	Randomized controlled trial
Study protocol	No information
Setting	Youth school students
Inclusion criteria	The inclusion criteria for study participants were middle adolescence (15–18 years) and male
	or female, and informed consent by participant and parental consent.
Follow up	Post intervention.
Population	Intervention group:
characteristics	Age; Mean (SD): 16.71 (1.17)
	Sex;(Percent girls): 24.5%
	Socioeconomic/educations; Mean (SD): No information
	Control group:
	Age; Mean (SD): 17.09 (1.06)
	Sex;(Percent girls): 34.5%
	Socioeconomic/educations; Mean (SD): No information
Intervention program	Social-Emotional Skills Training Program
Program extent	Number of sessions: 48
	Intensity: 15 minutes 4 times per month
	Duration: September to March
	Attendance: No information
	Implementation: No information
Participants (n)	49
Drop-outs (n)	No information
Program Deliverer	Physical education teacher
	' Training: received instructions from the researcher
Comparison program	Regular curriculum
Participants (n)	55
Drop-outs (n)	No information
Program Deliverer	Not applicable
Outcomes	Outcome
	Emotional intelligence skills
	Schutte Self-Report Inventory (also known as Emotional Intelligence Scale), Schutte et al. (1998)
	- Optimism, appraisal, emotional understanding, utilization
	optimism, appraisal, emotional anacistanamy, atinzation
	<u>Social skills</u>

	Social Skills Rating System (student form)
	- cooperation, assertiveness, empathy, and self-control
Comments	
Risk of bias	Moderate

Author	МсСоу
Year	2021
Country	Brazil
Ref	[14]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Primary schools
Inclusion criteria	Written parental consent.
Follow up	During last month of intervention. (6 months long.)
Population	Third- and fifth graders'
characteristics	Intervention group:
	Age; Mean (SD): 9.87 (1.23)
	Sex;(Percent girls): 49.6
	Socioeconomic/educations; Mean (SD): 0.040 (1.358)
	Following standards for LMICs (Filmer & Pritchett, 2001), SES was computed using a principal
	component analysis of six student-reported household asset items (i.e., whether or not they had
	mobile phones, tablets, computers, televisions, cars, or Internet access at home).
	Control group:
	Age; Mean (SD): 9.84 (1.27)
	Sex;(Percent girls): 49.4
	Socioeconomic/educations; Mean (SD): –0.007 (1.369)
	Following standards for LMICs (Filmer & Pritchett, 2001), SES was computed using a principal
	component analysis of six student-reported household asset items (i.e., whether or not they had
	mobile phones, tablets, computers, televisions, cars, or Internet access at home).
	mobile phones, tublets, computers, televisions, curs, or internet access at nomej.
Intervention program	Programa Compasso (based on the Second Step program)
Program extent	Number of sessions: 22
	Intensity: 50 min weekly sessions
	Duration: 6 months
	Attendance: No information
	Implementation: No information
Participants (n)	2019
Drop-outs (n)	417
Program Deliverer	Classroom teachers
-	Training: An initial full-day (8-hr), in-person training session one pedagogical coordinator and one
	principal from each treated school (96 total individuals) with (a) an introduction to SEL and its
	relevance for other outcomes, (b) an overview of the pillars, objectives, and content of the PC
	lessons and activities, and (c) opportunities for hands-on practice in small groups. After this single
	session, school staff members were asked to share knowledge learned with all teachers in their
	schools in ways that made the most sense for their setting.
	, , , , ,

Comparison program	Regular curriculum
Participants (n)	1841
Drop-outs (n)	425
Program Deliverer	Not applicable
Outcomes	Outcome
	Behavior problems
	Strengths and Difficulties Questionnaire (SDQ; Goodman, 2001).
	- reported by teachers for a randomly selected subset of students equaling at least 20%
	of the class population
	Emotion knowledge
	Assessment of Children's Emotional Skills (ACES; Alves & Cruz, 2016; Schultz, Izard, & Bear, 2004).
Comments	
Risk of bias	Low

Author	Merrin
Year	2022
Country	USA
Ref	[15]
	[15] Cluster Randomized trial
Study design	
Study protocol	No information
Setting	Elementary school
Inclusion criteria	Teachers, and parents of the students provided a waiver of active consent.
Follow up	End intervention year 1, start of year 2 and after intervention year 2.
Population	Kindergarten through Third year students
characteristics	Intervention group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): In Washington and Arizona, respectively, about 50% and
	78% of participating students received free and reduced lunch.
	Control group:
	Age; Mean (SD): No information
	Sex;(Percent girls): No information
	Socioeconomic/educations; Mean (SD): In Washington and Arizona, respectively, about 50% and
	78% of participating students received free and reduced lunch.
Intervention program	Second Step
Program extent	Number of sessions: 22 sessions
	Intensity: 25-40 minutes
	Duration: One year
	Attendance: No information
	Implementation: The average number of lessons completed was 17.42 (SD = 3.72) in Year 1 and
	17.7 (SD = 4.92) in Year 2.
	Data suggest that most teachers delivered the program with fidelity: 85% and 82% of lesson
	components were delivered in Year 1 and Year 2, respectively.
Participants (n)	4602
Drop-outs (n)	27-38% Further details on recruitment and retention over the four waves can be obtained in Low
	et al. (2019).
Program Deliverer	Classroom teachers
	Training: 1 h training in second step + 3 h training in Proactive classroom management before
	study start.
Comparison program	, Delayed start. Regular curriculum year 1, participation in intervention year 2
Participants (n)	4474

Drop-outs (n)	30-40% Further details on recruitment and retention over the four waves can be obtained in Low
	et al. (2019).
Program Deliverer	Not applicable
Outcomes	Outcome
	Teacher Reports of Student Behavior
	Teachers completed the Strengths Difficulties Questionnaire (SDQ; Goodman, 2001).
	- Conduct problems, Emotional symptoms, Hyperactivity, Prosocial, Peer problems
	-
Comments	
Risk of bias	Moderate

Author	Mertens
Year	2022
Country	Netherlands
Ref	[16]
Study design	Randomized controlled trial
Study protocol	No information
Setting	Secondary schools
Inclusion criteria	Students gave active informed consent for completing the questionnaires. Parents gave passive
	informed consent for the participation of their child and active informed consent for their own
	participation.
Follow up	End of 1 <sup>st</sup> year of intervention (6-7 months), before of start year 2 (12 months), end of
	intervention $2^{nd}$ year (16 months).
Population	7th grade students
characteristics	Intervention group Light:
characteristics	Age; Mean (SD): 12.33 (0.57)
	Sex;(Percent girls): 52%
	Socioeconomic/educations; Mean (SD):
	Intervention group Standard:
	Age; Mean (SD): 12.38 (0.66)
	Sex;(Percent girls): 44%
	Socioeconomic/educations; Mean (SD):
	Intervention group Plus:
	Age; Mean (SD): 12.34 (0.60)
	Sex;(Percent girls): 45%
	Socioeconomic/educations; Mean (SD):
	Control group:
	Age; Mean (SD): 12.47 (0.64)
	Sex;(Percent girls): 43%
	Socioeconomic/educations; Mean (SD):
Intervention program	Rock & Water Light
1	
Program extent	Number of sessions: 22 sessions, 14 lessons the first year and 8 lessons the second year
	Intensity: 1 weekly 90 minutes lesson
	Duration: 2 years
	Attendance: No information
	Implementation:

	For all intervention groups:
	self-reports: generally able to complete lessons (65%) and did not deviate or only slightly
	deviated from the manual (72%)
	Observation by R&W experts: observed lessons were completed or almost completed (86%).
	Trainers did not deviate much from the manual (91%).
Participants (n)	373
Drop-outs (n)	Year one: 85 (40 + 45)
	Year 2: 33
	Post: 271
Program Deliverer	Training: a core team of teachers (i.e., R&W trainers) who completed the 3-day training to
	become certified R&W trainers implemented the intervention lessons. (mostly) physical education
	teachers
Intervention program	Rock & Water Standard
2	
– Program extent	Number of sessions: 22 sessions, 14 lessons the first year and 8 lessons the second year
	Intensity: 1 weekly 90 minutes lesson
	Duration: 2 years
	Attendance: No information
	Implementation:
	For all intervention groups:
	self-reports: generally able to complete lessons (65%) and did not deviate or only slightly
	deviated from the manual (72%)
	Observation by R&W experts: observed lessons were completed or almost completed (86%).
	Trainers did not deviate much from the manual (91%).
	More teachers in the Standard and Plus conditions than in the Light condition were involved in the
	intervention
Participants (n)	303
Drop-outs (n)	Year 1: 28
	Year 2: 33
	Post: 250 completers
Program Deliverer	Training: a core team of teachers (i.e., R&W trainers) who completed the 3-day training to
	become certified R&W trainers implemented the intervention lessons. The rest of the schools'
	teaching staff also received a 3-day introductory training to learn (a) the basic principles of
	R&W, (b) how to support the R&W trainers, and (c) how to apply the intervention techniques in
	their regular classes.
Intervention program	Rock & Water Plus
3	
Program extent	Number of sessions: 22 sessions, 14 lessons the first year and 8 lessons the second year
	Intensity: 1 weekly 90 minutes lesson
	Duration: 2 years

	Attendance: No information
	Implementation:
	For all intervention groups:
	self-reports: generally able to complete lessons (65%) and did not deviate or only slightly
	deviated from the manual (72%)
	Observation by R&W experts: observed lessons were completed or almost completed (86%).
	Trainers did not deviate much from the manual (91%).
	Parents in the Plus condition were more involved in the intervention than in the Light and
	Standard conditions. More teachers in the Standard and Plus conditions than in the Light
	condition were involved in the intervention
Participants (n)	249
Drop-outs (n)	243 Year 1: 17
Drop-outs (II)	Year 2: 6
	Post: 226 completers
Brogram Dolivoror	
Program Deliverer	Training: a core team of teachers (i.e., R&W trainers) who completed the 3-day training to
	become certified R&W trainers implemented the intervention lessons. The rest of the schools'
	teaching staff also received a 3-day introductory training to learn (a) the basic principles of $R^{0}W_{1}$ (b) how to support the $R^{0}W_{1}$ trainers, and (c) how to support the intervention techniques in
	<i>R&amp;W, (b) how to support the R&amp;W trainers, and (c) how to apply the intervention techniques in</i>
	their regular classes. Parents (a) were invited to watch a documentary about R&W, (b) were
	invited to join a R&W lesson at the school, and (c) received weekly e-mails with information about
	the current week's R&W lesson and were encouraged to act on this information.
Comparison program	Regular curriculum 374
Participants (n) Drop-outs (n)	Year 1: 31
Drop-outs (II)	reur 1. 51
	Voor 2: 10
	Year 2: 18
Drogenero Dellivoren	Year 2: 18 Post: 325 completers
Program Deliverer	Post: 325 completers
Program Deliverer Outcomes	
	Post: 325 completers Outcome
	Post: 325 completers Outcome Self-control
	Post: 325 completers          Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors
	Post: 325 completers Outcome Self-control
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)         Self-reflection
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)         Self-reflection         Measure the extent to which students inspect and evaluate personal thoughts, feelings, and
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)         Self-reflection         Measure the extent to which students inspect and evaluate personal thoughts, feelings, and behaviors
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)         Self-reflection         Measure the extent to which students inspect and evaluate personal thoughts, feelings, and
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)         Self-reflection         Measure the extent to which students inspect and evaluate personal thoughts, feelings, and behaviors
	Post: 325 completers         Outcome         Self-control         To assess ability to control ones impulses and interrupt undesired behaviors         The short version of the Self-Control Scale (Finkenauer et al., 2005)         Self-reflection         Measure the extent to which students inspect and evaluate personal thoughts, feelings, and behaviors         Engage subscale from the Self-Reflection and Insight Scale (Sauter et al., 2010)

	Global self-perception of the Self-Perception Profile (Harter, 1988)
	Emotional self-regulation
	Assess the abilities to control emotions and access to emotion regulation strategies
	Difficulties in Emotion Regulation Scale (Anderson et al., 2016)
Comments	<u>Distal outcomes</u>
	Intrapersonal domain:
	Psychological wellbeing, Psychological Wellbeing
	subscale of the KIDSCREEN-27 (Ravens-Sieberer & The European KIDSCREEN Group, 2006).
	Resilience, Connor- Davidson Resilience Scale–Short Version (Davidson & Connor, 2017)
	Interpersonal domain:
	Interpersonal relations in the class, Classroom Peer Context Questionnaire (Boor-Klip et al., 2016)
Risk of bias	Moderate

Author	Moazami-Goodarzi
Year	2021
Country	Finland
Ref	[17]
Study design	Quasi-experimental randomized controlled trial
Study protocol	No information
Setting	Early Childhood Education centers
Inclusion criteria	Parental consent
Follow up	End of intervention (11 weeks)
Population	3–6-year-old children
characteristics	Intervention group:
	Age; Mean (SD): 60.95 months (11.56)
	Sex;(Percent girls): 62
	Socioeconomic/educations; Mean (SD): At the baseline, 80% of parents were employed, and 15%
	were housewives/househusbands. A total of 60% of parents had a university degree, and 40% had
	secondary education.
	Control group:
	Age; Mean (SD): 58.52 months (14.76)
	Sex;(Percent girls): 49
	Socioeconomic/educations; Mean (SD): At the baseline, 80% of parents were employed, and 15%
	were housewives/househusbands. A total of 60% of parents had a university degree, and 40% had
	secondary education.
Intervention program	Roundies
Program extent	Number of sessions:19
	Intensity: 45 min
	Duration: 11 weeks
	Attendance: No information
	Implementation: No information
Participants (n)	222
Drop-outs (n)	86
Program Deliverer	Training: 8 sessions a 55 min
Comparison program	Regular curriculum
Participants (n)	98
Drop-outs (n)	40
Program Deliverer	Not applicable
Outcomes	Outcome
	Social-emotional behaviors
	The Strength and Difficulties Questionnaire (SDQ), Teachers and parents

Comments	Other Outcomes:
Risk of bias	Moderate

Author	Mondi
Year	2021
Country	USA
Ref	[18]
Study design	Match-controll trial
Study protocol	No information
Setting	Prekindergarten
Inclusion criteria	Participants had to be enrolled in their respective program for at least four consecutive months to
inclusion criteria	be included in analyses.
Follow up	Fall 2012 (4-6 weeks after start of intervention), Winter 2012/2013, Spring 2013 (End of term)
Population	Intervention group:
characteristics	Age; Mean: 48.4
	Sex;(Percent girls): 51.6
	Socioeconomic/educations; Mean (SD):
	Eligible for free lunch, %: 85.4
	Lingible joi free ruiter, 70. 00.4
	Control group:
	Age; Mean: 48.6
	Sex;(Percent girls): 50.2
	Socioeconomic/educations; Mean (SD):
	Eligible for free lunch, %: 83.2
Intervention program	The Child-Parent Center (CPC) program.
Program extent	Number of sessions: Not specified
	Intensity: Not specified
	Duration: Not specified
	Attendance: Not specified
	Implementation: Not specified
Participants (n)	1724
Drop-outs (n)	No information
Program Deliverer	Training: training time was approximately two-and-a-half days GOLD® system
Comparison program	Regular curriculum
Participants (n)	906
Drop-outs (n)	No information
Program Deliverer	Not applicable
Outcomes	Outcome
	Socio-emotional competencies
	Teaching Strategies Gold® (GOLD®), (Lambert, Kim, & Burts, 2013)
	- regulating emotions and behaviors
	- establishing and sustaining positive relationships

	- participating cooperatively and constructively in group situations
Comments	
Risk of bias	Moderate

Author	Paik
Year	2021
Country	China
Ref	[19]
Study design	Cluster-randomized controlled trial
Study protocol	No information
Setting	Preschool
Inclusion criteria	No information
Follow up	Post intervention, 14 days
Population	Pre-schoolers aged 3-5
characteristics	
Characteristics	Intervention group:
	Age; Mean (SD): 56.05 (6.39) Sex;(Percent girls): 45
	Socioeconomic/educations; Mean (SD): predominantly middle- to upper-middle class population.
	Control group
	Control group:
	Age; Mean (SD): 59.95 (5.71)
	Sex;(Percent girls): 45
	Socioeconomic/educations; Mean (SD): predominantly middle- to upper-middle class population.
Intervention program	Global Classroom SEL
Program extent	Number of sessions: 14
riogramextent	Intensity: 1 hour, 2 per day one in morning one in afternoon
	Duration: 2 weeks
	Attendance: No information
	Implementation: No information
Participants (n)	58
Drop-outs (n)	25
Program Deliverer	Trained San Francisco State University psychology students who partnered with Chinese college
	students in coteaching the lessons.
	Training: A semester-long course designed to prepare them for international service-learning in
	teaching within preschool settings
Comparison program	Regular curriculum
Participants (n)	58
Drop-outs (n)	20
Program Deliverer	Not applicable
Outcomes	Outcome
	Emotion Knowledge
	The Emotion Matching Task (EMT; Izard et al., 2003)

Comments	
Risk of bias	Moderate

Author	Resurreccion
Year	2021
Country	Spain
Ref	
Study design	Non-randomized quasi-experimental study
Study protocol	No information
Setting	Primary education school
Inclusion criteria	School not in any other SEL-program, school consent and parents' consent.
Follow up	End of schoolyear
Population	Intervention group:
characteristics	Age; Mean (SD): 8.72 (0.67)
	Sex;(Percent girls): 55.2 % girls for total population
	Socioeconomic/educations; Mean (SD): No information.
	Control group:
	Age; Mean (SD): 9.82 (0.72)
	Sex;(Percent girls): 55.2 % girls for total population
	Socioeconomic/educations; Mean (SD): No information.
Intervention program	Learning to Be project (L2B)
Program extent	Number of sessions: adapted SEL standards from Illinois State Board of Education
	(Illinois State Board of Education (ISBE), 2018) and proposed a framework for SEL implementation
	at schools in Europe [for a review of the project see Aguilar et al. (2019)].
	Intensity: No information
	Duration: 5 months
	Attendance: No information
	Implementation: No information
Participants (n)	103
Drop-outs (n)	No information
Program Deliverer	Classroom teachers
	Training: 16 h (three sessions) on SEL principles
Comparison program	Regular curriculum, waiting list
Participants (n)	118
Drop-outs (n)	No information
Program Deliverer	Not applicable
Outcomes	Outcome
	<u>Self-esteem</u>
	· · · · · · · · · · · · · · · · · · ·

	Socio-emotional competencies
	Social Emotional Competence Questionnaire (SECQ; Zhou and Ee, 2012)
	- self-awareness,
	- social awareness,
	- self-management,
	- relationship management,
	- responsible decision-making
	-
Comments	
Risk of bias	Moderate

Author	Shapiro	
Year	2022	
Country	USA	
Ref		
Study design	Randomized controlled trial	
Study protocol	No information	
Setting	Elementary school	
Inclusion criteria	No information	
Follow up	Start of intervention (October), Middle of intervention (December/January), End of intervention	
	(April/May)	
Population	Intervention group 1:	
characteristics	Age; Mean (SD): 6.01 (0.95)	
	Sex;(Percent girls): 49.5	
	Socioeconomic/educations; Mean (SD):	
	Free and reduced priced lunch eligibility (percent): 66.4	
	Intervention group 2:	
	Age; Mean (SD): 6.08 (0.84)	
	Sex;(Percent girls): 47.2	
	Socioeconomic/educations; Mean (SD):	
	Free and reduced priced lunch eligibility(percent): 66.8	
	Control group:	
	Age; Mean (SD): 6.05 (0.87)	
	Sex;(Percent girls): 49.3	
	Socioeconomic/educations; Mean (SD):	
	Free and reduced priced lunch eligibility (percent): 70.3	
Intervention program	TOOLBOX Standard	
1		
- Program extent	Number of sessions: 17	
	Intensity: No information	
	Duration: No information	
	Attendance: No information	
	Implementation: SEL Implementation Survey (SEL-IS) (cumulative number)	
	Fall: 5.24 (4.15)	
	Winter: 8.04 (3.69)	
	Spring: 11.64 (4.26)	
Participants (n)	562	
Drop-outs (n)	No information	
	l l	

44	(51)

Program Deliverer	Training: 6-hour training was provided to teachers and staff
Intervention program	TOOLBOX Primer
2	
Program extent	Number of sessions: 17
	Intensity: No information
	Duration: No information
	Attendance: No information
	Implementation: SEL Implementation Survey (SEL-IS) (cumulative number)
	Fall: 5.91 (3.15)
	Winter: 8.46 (4.05)
	Spring: 11.04 (4.90)
Participants (n)	608
Drop-outs (n)	No information
Program Deliverer	Training: 6-hour training was provided to teachers and staff
Comparison program	Regular curriculum
Participants (n)	596
Drop-outs (n)	No information
Program Deliverer	Not applicable
Outcomes	Outcome
	Social-Emotional Competence
	Devereux Student Strengths Assessment-Mini (DESSA-Mini), (Naglieri et al., 2011a)
Comments	
Risk of bias	Moderate

Author	Shi
Year	2022
Country	China
Ref	[22]
Study design	Quasi-experimental controlled design
Study protocol	No information
Setting	Elementary school
Inclusion criteria	<i>Y</i> Written informed consent was obtained from each participating student and their parents.
Follow up	End of intervention (4 months)
Population	Grade 5 students
characteristics	Intervention group:
	Age; Mean (SD):
	Sex;(Percent girls): 30
	Socioeconomic/educations; Mean (SD): Socioeconomic status
	Low 27%
	Middle 73%
	Control group:
	Age; Mean (SD):
	Sex;(Percent girls): 46
	Socioeconomic/educations; Mean (SD): Socioeconomic status
	Low 31%
	Middle 66%
Intervention program	CASEL designed for Chinese elementare school
Program extent	Number of sessions: 12
	Intensity: weekly 40 min lessons
	Duration: 4 months
	Attendance: No information
	Implementation: No information
Participants (n)	181
Drop-outs (n)	17
Program Deliverer	Classroom teachers
	Training: Written information about each lesson
Comparison program	Usual curricumlum
Participants (n)	185
Drop-outs (n)	14
Program Deliverer	Not applicable
Outcomes	Outcome
	1

	<u>Social Emotional Skills</u> Student-reported social emotional skills scale (SESS; Shi et al., 2022).
	<u>Mental Health</u> Chinese version of the Strengths and Difficulties Questionnaire (SDQ; Goodman, 1997)
Comments	
Risk of bias	Moderate

Author	Sirvinskiene
Year	2022
Country	Lithuania
Ref	[23]
Study design	Quasi-experimental trial with matching control group
Study protocol	No information
Setting	Preschool
Inclusion criteria	The inclusion criterion for the children participating was that the child was 3–6 years old and
	signed informed consent by parents.
Follow up	
Population	Intervention group:
characteristics	Age; Mean (SD): 60.5% were 3-4 years, 39.5 % 5-6 years
	Sex;(Percent girls): 55
	Socioeconomic/educations; Mean (SD):
	Parental education n (%)
	Secondary or lower 7 (8.1)
	Vocational 8 (9.3)
	Higher (non-university) 21 (24.4)
	Higher (university) 21 (58.1)
	Total 86 (100)
	Control group:
	Age; Mean (SD): 63.0% were 3-4 years, 37.0 % 5-6 years
	Sex;(Percent girls): 50
	Socioeconomic/educations; Mean (SD):
	Parental education n (%)
	Secondary or lower 5 (9.3)
	Vocational 10 (18.5)
	Higher (non-university) 7 (13.0)
	Higher (university) 32 (59.3)
	Total 54 (100)
Intervention program	ELLA training program
Program extent	Number of sessions: 8
oBrain extent	Intensity: Twice weekly 30-60 min
	Duration: 4-5 weeks
	Attendance
Dontiningente (z)	Implementation:
Participants (n)	89
Drop-outs (n)	3

Program Deliverer	Trained specialists—a psychologist and a kindergarten educator
	Training: No information
Comparison program	Regular curriculum
Participants (n)	54
Drop-outs (n)	0
Program Deliverer	Not applicable
Outcomes	Outcome
	The EMK 3–6 inventory (germ. Inventar zur Erfassung Emotionaler Kompetenzen bei Drei-bis
	Sechsjährigen, EMK 3–6)
	EMK Screening lärarskattningar om Emotionell kunskap C1, Empati C3 och Själv-kontroll C2
	EMK 3-6 psykologobservationer om Primary emotion C3, Secondary emotion C2, Prosocial
	behaviour C3
Comments	
Risk of bias	Moderate

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