

**Schools meeting criteria
invited to participate (n=2)**

Intervention school

Invited= 136 children
Recruited=123 children (Response rate 90%)

Control school

Invited= 176 children
Recruited= 152 children (Response rate 86%)

Baseline (0-weeks)

Self-report measures (8-12-year-olds) (Physical Activity Children's Enjoyment Scale (PACES) [64], Pediatric Quality of Life Inventory 4.0 (PedsQL 4.0) [57], Lunchtime Enjoyment of Activity (LEAP) Questionnaire [56])
Completed= 34; Not completed= 0

Pedometer wear >4 days (5-12-year-olds)

Completed=119; Not completed=4
Reasons: Absent (n=3); Battery flat (n=1)

System of Observing Play and Leisure Activities in Youth (SOPLAY) [61] observations: 5 days (5-12-year-olds)

Targeted playground areas= 5; Playground area scans per lunchtime= 5
Completed playground area scans= 125

Baseline (0-weeks)

Self-report measures (8-12-year-olds) (Physical Activity Children's Enjoyment Scale (PACES) [64], Pediatric Quality of Life Inventory 4.0 (PedsQL 4.0) [57], Lunchtime Enjoyment of Activity (LEAP) Questionnaire [56])
Completed= 71; Not completed= 9

Reasons: Absent (n=9)
Completed=146; Not completed=6

Pedometer wear > 4 days (5-12-year-olds)

Reasons: Absent (n=3); Battery flat (n=3)

System of Observing Play and Leisure Activities in Youth (SOPLAY) [61] observations: 5 days (5-12-year-olds)

Targeted playground areas= 6; Playground area scans per lunchtime= 8
Completed playground area scans= 240

LEAP intervention (7-weeks)

Regular school lunch break routines

Post-test (7-weeks after baseline)

Self-report measures completed from baseline sample (n=34)

Completed= 33; Not completed= 1
Reasons: Moved Interstate (n=1)

Pedometer Wear > 4 Days from baseline sample (n=119)

Completed=113; Not completed=6
Reasons: Absent (n=4); Battery flat (n=2)

SOPLAY observations: 5 days

Targeted playground areas= 5; Playground area scans per lunchtime= 5
Completed playground area scans= 125

Post-test (7-weeks after baseline)

Self-report measures from baseline sample (n=71)

Completed= 61; Not completed= 10
Reasons: Left school (n=4); Absent (n=4); Interstate (n=2)

Pedometer wear > 4 days from baseline sample (n=146)

Completed=140; Not completed=6
Reasons: Left school (n=6)

SOPLAY observations: 5 days

Targeted playground areas= 6; Playground area scans per lunchtime= 8
Completed playground area scans= 240

**LEAP Intervention continued
(8-13 weeks after baseline)**

Minimum of 2 movable/recycled materials introduced each week

**Regular school lunch break routines
(continued)**

Follow-up (8-months after baseline)

Self-report measures completed from post-test sample (n=33)

Completed= 32; Not completed= 1
Reasons: Moved interstate (n=1)

Pedometer Wear > 4 Days from post-test sample (n=113)

Completed=103; Not completed=10
Reasons: Absent (n=8); Wore upside down (n=2)

SOPLAY observations: 5 days

Targeted playground areas= 5; Playground area scans per lunchtime= 5
Completed playground area scans= 125

Follow-up (8-months after baseline)

Self-report measures from post-test sample (n=61)

Completed= 61; Not completed= 0
Completed=126; Not completed=14

Pedometer wear > 4 days from post-test sample (n=140)

Reasons: Left school (n=4); Absent (n=10)

SOPLAY observations: 5 days

Targeted playground areas= 8; Playground area scans per lunchtime= 8
Completed playground area scans= 320