

Outdoor Education

‘onderwijs buiten de deur’

OutdAre Teaching – UC Leuven Limburg
Gorik Van Helleputte
gorik.vanhelleputte@ucll.be



duurzame scholen
straffe scholen

MOS

outdAre



‘even oriënteren’



Enkele vragen:

- **Zou je hier met leerlingen naar toe willen komen i.f.v. ET'n** (VOET'en)?
 - Zou je makkelijk collega's/ouders/directie kunnen overtuigen?
- **Kan je een waardevolle activiteit van één lesuur bedenken** (leeftijd naar keuze) **in deze context.**
 - Bedenk of 'groene' aspect meerwaarde is?
 - Zal je een andere omgang hebben met je kinderen?
- **Is deze plek 'waardevoller' dan een groene speelplaats?**



Nood aan context ...

MOS, Vergroening speelplaats, Outdoor Learning, Outdoor Teaching, ... ?

Betekenisvol leren in de
(be-)leefwereld van kinderen

Outdoor Learning & MOS

Twee handen op één buik?



VERGROENING S

Maak van het ver
een succesverhaal.

LEEFWERELD
~
MILIEU



LEEFWERELD
~
BUITEN

p je school

Departement Leefmilieu, Natuur en Energie

'vergroening'



VERGROENING SCHOOLOMGEVING
Maak van het vergroeningsproces op je school
een succesverhaal.

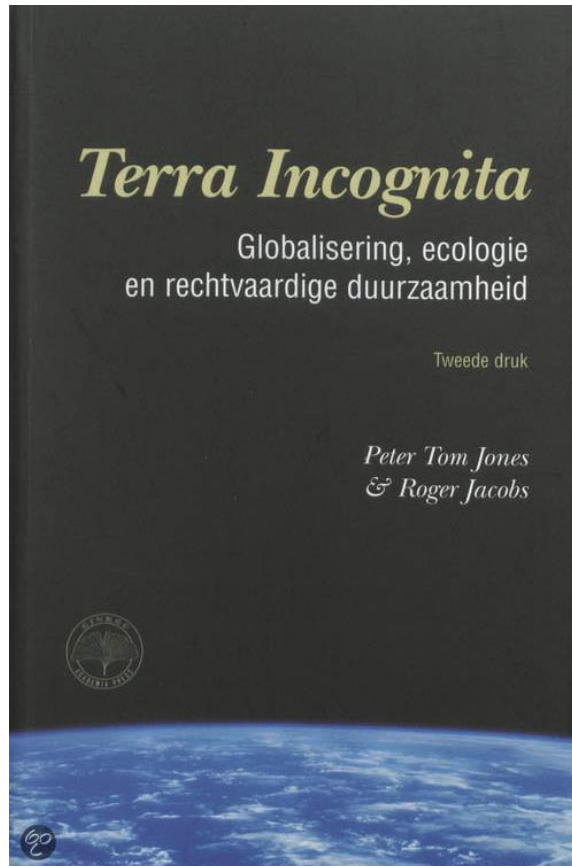


Departement Onderwijs



'schoolomgeving'

Bezorgdheid om toekomst die onzeker is ...



kruispuntsituatie. De onzekerheid omtrent de toekomst is groot. We begeven ons op *Terra Incognita*. Er bestaat een groeiende consensus die stelt dat de keuzes die we vandaag maken een ongemeen grote invloed zullen hebben op de richting van de te verwachten wijzigingen. De beslissingen die we vandaag moeten maken, zijn van de meest complexe die de mensheid ooit heeft moeten nemen. De grote uitdaging voor de huidige generaties ligt in de ontwikkeling van een visie op het leven en de economie die zowel sociaal rechtvaardig als ecologisch duurzaam is.

LEEFWERELD

DUURZAAMHEID



TEACHING AND LEARNING FOR A SUSTAINABLE FUTURE

a multimedia teacher education programme

About
TLSF

Curriculum
Rationale

Across the
Curriculum

Contemporary
Issues

Teaching & Learning
Strategies

TEACHING & LEARNING STRATEGIES

This set of modules develops professional skills for using teaching and learning strategies that can help students achieve the wide range of knowledge, skill and values objectives of Education for Sustainable Development.

- 20. [Experiential learning](#)
- 21. [Storytelling](#)
- 22. [Values education](#)
- 23. [Enquiry learning](#)

??????????????

JOURNAL | GLOSSARY | DOCS



UN Decade of Education for Sustainable Development

The aim of the United Nations
Decade of Education for
Sustainable Development is
promote and improve the integration

Teaching and Learning for a Sustainable Future

Teaching and Learning for a
Sustainable Future is a multimedia
teacher education programme
published by UNESCO. It contains
100 hours (divided into 27 modules)

TLSF Dissemination & Training Toolbox

This 'train-the-trainer' guide has been
prepared to facilitate dissemination,
adoption and adaptation of *Teaching
and Learning for a Sustainable
Future* for use in locally/nationally

Schotland als inspiratie.

The screenshot shows the Education Scotland website. The header includes the logo and a search bar. A navigation menu lists various topics, with 'Outdoor learning' selected. The main content area features a large image of a child playing outdoors, a sidebar with a list of topics, and several text blocks providing information about outdoor learning opportunities and resources.

Education Scotland
Foghlam Alba

What are you looking for?

Learning and teaching | Inclusion and equalities | Inspection and review | CLD | Professional learning | Resources | A-Z | Parentzone Scotland

Learning and teaching | Approaches to learning | **Outdoor learning**

Outdoor learning

Early learning and childcare

The curriculum

Curriculum areas

Learning across the curriculum

Assessment

Approaches to learning

- Active learning
- ICT in education
- Creativity
- Outdoor learning**
- About
- Places to learn outdoors
- Health and safety
- Support materials
- Co-operative and collaborative learning
- Peer education

The journey through education for any child in Scotland must include opportunities for a series of planned, quality outdoor learning experiences.

Read the guidance document [Curriculum for Excellence through Outdoor Learning](#) and explore the resources available to find out how your school or centre can provide the best opportunities for creative and inspiring outdoor learning.

Health and safety guidance

Going Out There: Scottish Framework for Safe Practice in Off-site Visits

Find out about Going Out There, the refreshed guidance now available on a new SAPOE website.

Contributors

This online resource was developed by Education Scotland in partnership with:

Places to learn outdoors

From the school grounds to going abroad, there are many locations for outdoor learning. Read more about how

Where to go in Scotland

Browse and search our interactive map of places to visit throughout Scotland.

<http://www.educationscotland.gov.uk/learningandteaching/approaches/outdoorlearning/index.asp>

The screenshot shows the YouTube channel page for 'Learning Through Landscapes & Grounds for Learning'. The header features a banner image of children playing outdoors. Below the banner, there is a navigation menu, a video player, and a list of featured videos.

Learning Through Landscapes & Grounds for Learning

Geabonneerd 554

Home | Video's | Afspeellijsten | Kanalen | Discussie | Over

01. The value of play in schools

2 jaar geleden • 4.328 weergaven

Explore how outdoor play can support your children's learning and development and begin to think about how your school could enrich playtimes. ...

Gemaakte afspeellijsten

- Video's die ik leuk vind (23 VIDEO'S)
- Playtime Revolution (12 VIDEO'S)
- Featured films (10 VIDEO'S)
- Why go outdoors? (23 VIDEO'S)
- About us (4 VIDEO'S)
- Developing your outdoor space (18 VIDEO'S)

<https://www.youtube.com/channel/UC0iPpIn0rUxqgQgHSwJPElw>

Early learning and childcare

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- Outdoor learning
 - About
 - Places to learn outdoors
 - Health and safety
 - Support materials**
 - Sharing practice
 - Resources

Support materials



These materials are intended to give you ideas and inspiration for teaching, to help you plan and prepare and to provide you with the raw materials to create interesting and engaging resources and activities for your learners.

Sharing practice

Examples of how establishments have developed their own outdoor learning experiences.

Resources

Resources to help you plan and prepare for positive outdoor learning experiences.

Useful organisations

Links to organisations with a role in outdoor learning.

Research

A variety of reports examining different aspects and the impact of outdoor learning

Early learning and childcare

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 - Places to learn outdoors
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Outdoor Learning: Practical guidance, ideas and support for teachers and practitioners in Scotland

From simple learning activities close to schools and settings through to residential experiences and beyond, this **outdoor learning** document illustrates how practitioners can contribute positively to the learning journey of Scotland's children and young people.



This resource provides practical, accessible and straightforward advice on how to engage children and young people with learning outdoors. It incorporates ideas for organising learning in the outdoors, for making connections across the curriculum and for planning within **curriculum areas**.

It also includes a CPD framework and supporting materials.

Download full resource

PDF file: Outdoor Learning: Practical guidance, ideas and support for teachers and practitioners in Scotland (2.5 MB)

Outdoor learning



Find inspiration and support for delivering the curriculum through outdoor learning.

Outdoor Learning

Practical guidance, ideas and support for
teachers and practitioners in Scotland

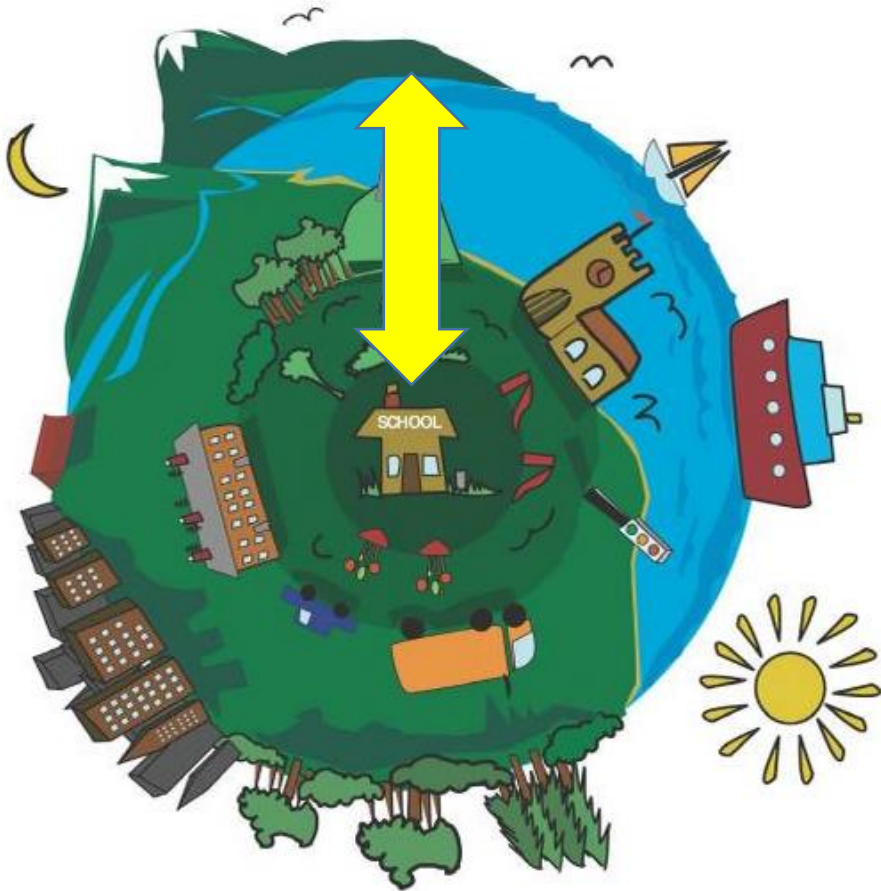


Nood aan groene **ruimte**?

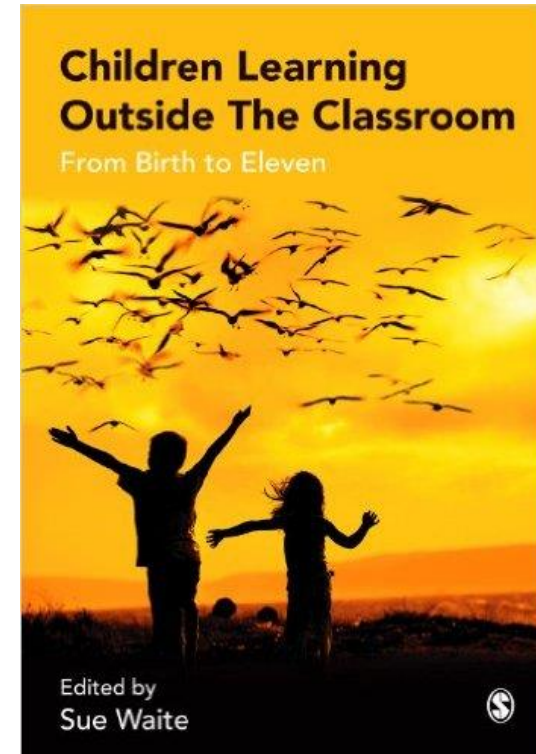
groene speelplaats (cultuur/ervaring) vs. natuurlijke omgeving (natuur/beleving)

Nood aan andere **aanpak**?

(‘andere’ didactiek)



Ruimte voor OL – focus op **duurzaamheid**



Didactiek voor OL – focus op **curriculum**

Maar ook wij doen het goed

Een verhaal uit Leuven



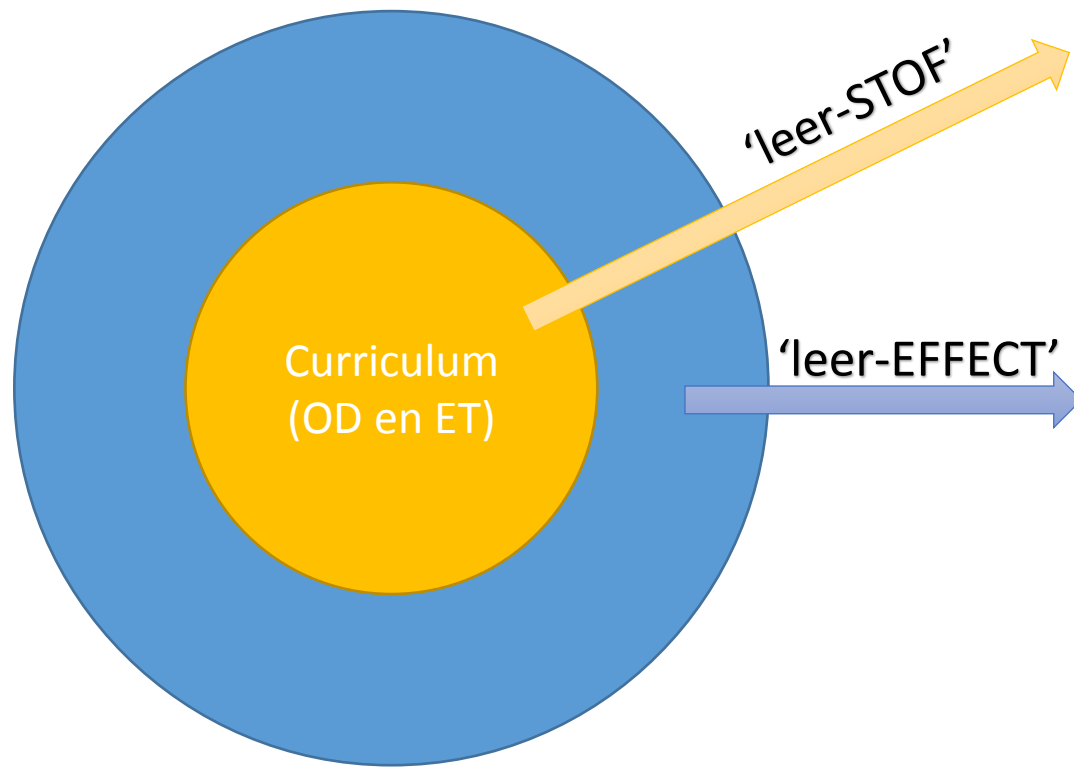








Wat maakt dit tot een mooi voorbeeld?



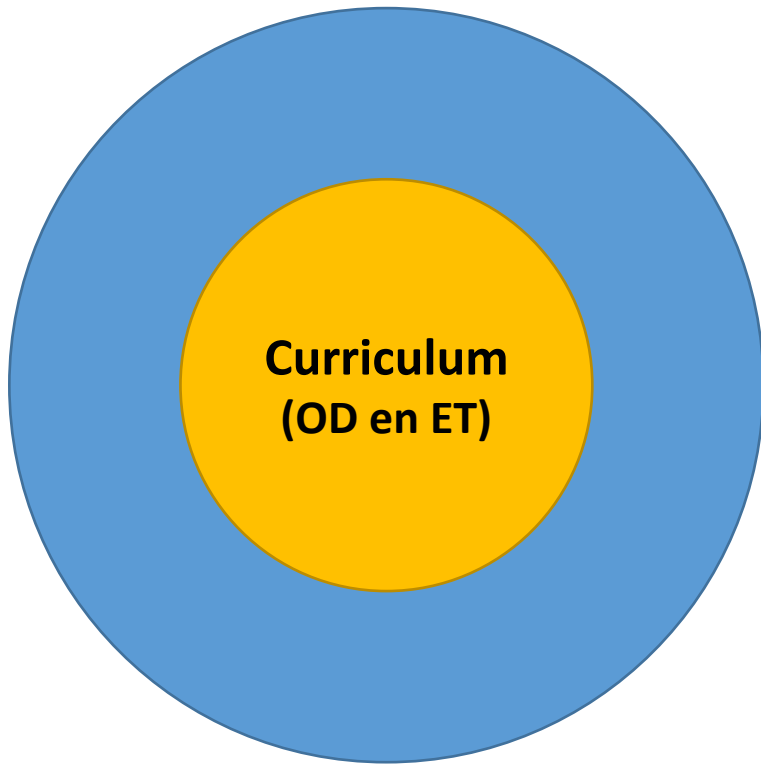
Juf geen **LESGEVER!**

- *Lesgevers hebben weinig tijd voor authentieke leervragen en voelen druk om het **curriculum** af te werken. (L. Heylen)*
- Selectie van **ET'n OD'n** per activiteit

Juf wel **LEER-KRACHT** (learn-power!)

- LEER-KRACHTEN tonen zich als persoon en durven tijd verliezen om tijd te winnen (L. Heylen)
- Verwerven van **rijke extra's** doorheen activiteit

ONDERZOEK NAAR **OUTDOOR LEARNING**



- 'BUITEN' als complementair met 'BINNEN', gaat verder dan het curriculum (OD en ET)
 - Appreciatie&respect (*connectie*) voor natuur
 - Welbevinden & betrokkenheid
 - Motivatie
 - Duurzaam en betekenisvol leereffect
 - Taalstimulerend onderwijs
 - Sociale vaardigheden, Coöperatief werken
 - Probleemoplossend denken
 - Bewegingsrijk
 - Talentgericht werken/differentiatie
 - Geïntegreerd / vakoverschrijdend
 - STEAM?
 - ADHD?
 - JONGENS
 - Stress (mentale +fysieke aspecten)
 - ...

Outdoor Learning is niet per definitie een groene bril, noch een zoveelste truuk uit de doos van onderwijsvernieuwingen. Het is een beproefde pedagogische visie & didactische aanpak die fundamenteel het leren (curriculum) betekenisvol maakt voor kinderen in de leef- en **beleef**wereld van kinderen. Het leren wordt betekenisvol omdat het direct verbindingen legt met de eigen realiteit van het kind en de wereld waarin het zich bevindt. In deze zin ondersteunt outdoor learning ‘overkoepelend’ de vele inzichten uit het ervaringsgericht onderwijs, de talent-gerichte aanpak, het gedifferentieerd en gediversifieerd werken, het bewegend leren, etc ... Outdoor learning is eerder een multifocale kijk hebben op leren, een kijk met een gerichte en betekenisvolle focus op de leerprocessen bij kinderen zonder in de periferie de algemene ontwikkeling uit het oog te verliezen. Outdoor Learning is een kijk op leren dat niet per sé op zoek gaat naar antwoorden, maar vragen wil stellen die uitgaan van een nieuwsgierige en kritische ingesteldheid.



“multifocale kijk’ op leren vanuit outdoor learning

Journal of Adventure Education and Outdoor Learning
2011, pp. 1–17, iFirst article

Effects of an outdoor education intervention on the mental health of schoolchildren

Per E. Gustafsson^{a*}, Anders Szczepanski^b,
Per A. Gustafsson^b
^aUmeå University, Umeå, Sweden; ^bLinköping University,

This study aimed at examining the effects of an outdoor education intervention on the mental health of schoolchildren. Two elementary schools participated where the intervention was implemented, and the other two schools served as a control. The Strengths and Difficulties Questionnaire was used to assess mental health. The results point towards a small but significant improvement in mental health at the experimental school while adjusting for age and gender. The results indicate that outdoor education can be a valuable tool to address mental health issues when educational programmes are implemented.

Keywords: Schoolchildren; Outdoor education; Response to intervention; Mental health; Educational approaches to the environment; Subsequent proposals for a Foundation

Using Nature and Outdoor Activity to Improve Children's Health

Leyla E. McCurdy, MPhil, Kate E. Winterbottom, MPH, Suril S. Mehta, MPH, James R. Roberts, MD, MPH
DOI: <http://dx.doi.org/10.1016/j.cppeds.2010.02.003>

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Abstract

Full Text

References

Childhood obesity affects 17% or 12.5 million of America's children, contributing to the rise in children's health disparities. Type 2 diabetes, asthma, vitamin D deficiency, and attention-deficit/hyperactivity disorder have also increased over the past few decades. A shift toward a sedentary lifestyle is a major contributor to the decline in children's health. Children spend more time indoors using electronic media and less time engaged in outdoor unstructured play. This article reviews the current evidence of the mental and physical health benefits associated with unstructured, outdoor activities and time spent in a natural environment such as a park or other recreational area. Pediatric health care providers should recommend outdoor activities for children and refer families to safe and easily accessible outdoor areas. Pediatric health care providers can incorporate this simple, lifestyle-based intervention into anticipatory guidance.

Research Center Home

[Login](#)

Search Research

Subject Category

- ☐ Green Schoolyards
- ☐ Physical Health
- ☐ Mental Health
- ☐ Developmental Outcomes
- ☐ Educational Outcomes
- ☐ Conservation Ethic
- ☐ Free vs. Structured
- ☐ Public Play Spaces
- ☐ Outdoor Participation
- ☐ Access to Nature
- ☐ Disparities in Nature Access
- ☐ Barriers to Nature Play
- ☐ Parental / Family Factors

Your search for: Green Schoolyards found 33 results.

1 2 3 Next >>

The restorative effects of redesigning the schoolyard: A multi-methodological, quasi-experimental study in rural Austrian middle schools

Greening of a schoolyard results in improved well-being and diminished physiological stress

Kelz, C., Evans, G. W., Röderer, K., (2013). The restorative effects of redesigning the schoolyard: A multi-methodological, quasi-experimental study in rural Austrian middle schools. *Environment and Behavior*, 47(2), 119-139.

Learning biology and mathematics outdoors: Effects and attitudes in a Swedish high school context

Outdoor learning improves long-term memory of course content and increases positive student attitudes

Fägerstam, E., Blom, J., (2013). Learning biology and mathematics outdoors: Effects and attitudes in a Swedish high school context. *Journal of Adventure Education & Outdoor Learning*, 13(1), 56 - 75.

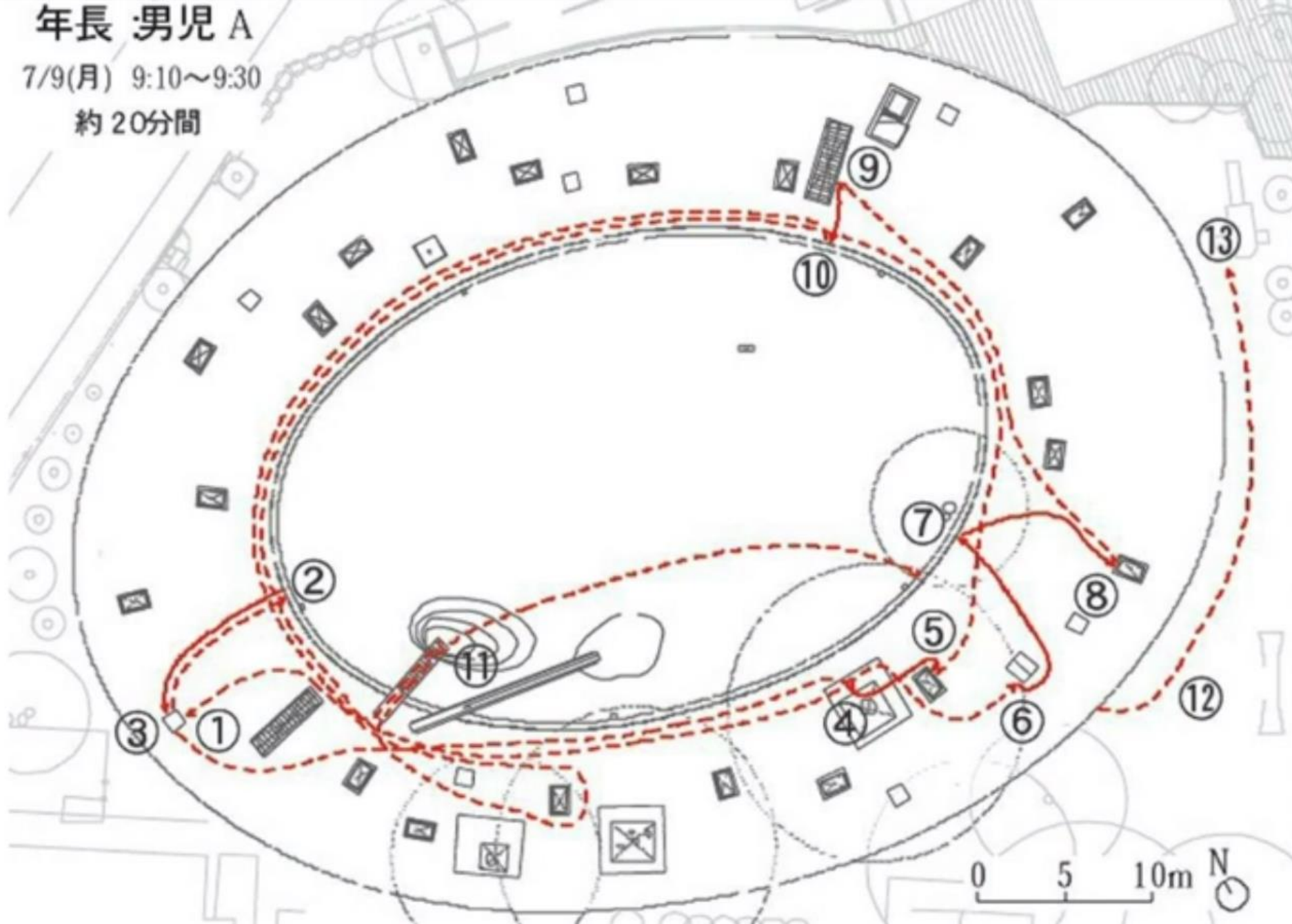
Does a nurturing approach that uses an outdoor play environment build resilience in children from a challenging background?

https://www.childrenandnature.org/research/?search=research&subject_category%5B%5D=Green+Schoolyards&keyword=&start_date=

年長 男児 A

7/9(月) 9:10~9:30

約 20分間



Kleuters lopen gemiddeld 4km, 1 Jongen loopt 's morgens zelfs 6km.



Case study

Wat vinden ouders en leerkrachten van outdoor learning?

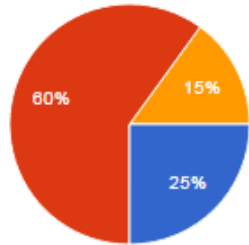
(Leren buiten de klas)

Voor Leerkrachten van DE ARK betekent Outdoor Learning



Reacties Leerkrachten

Hoe is uw houding t.o.v. het initiatief van De Ark om in te zetten op 'Leren buiten de klas'?



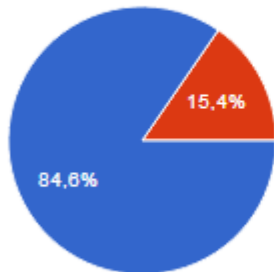
zeer positief	10	25%
Positief	24	60%
Noch positief, noch negatief	6	15%
negatief	0	0%
zeer negatief	0	0%
ik weet het niet	0	0%

Wat is voor u de belangrijkste reden om uw kind naar buiten te laten gaan ?



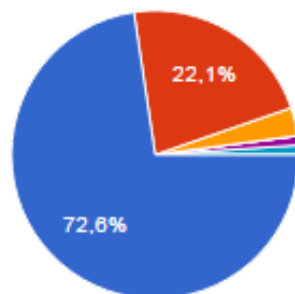
Gezonde buitenlucht	7	17.5%
veel bewegingskansen	9	22.5%
betekenisvolle leerkansen	8	20%
plezier	5	12.5%
Natuur & Techniek	5	12.5%
Differentiatie	2	5%
zorg	1	2.5%
Ik zie geen meerwaarde	0	0%
Overig	32	80%

Vindt u de toegang tot natuurlijke zones (vb tuin, grasveld, bos, park, ...) belangrijk om aan Outdoor Learning te kunnen doen ?



zeer belangrijk	33	84.6%
eerder belangrijk	6	15.4%
noch belangrijk, noch onbelangrijk	0	0%
eerder onbelangrijk	0	0%
onbelangrijk	0	0%
ik weet het niet	0	0%

Hoe is uw houding t.o.v. het initiatief van De Ark om in te zetten op 'Leren buiten de klas'?



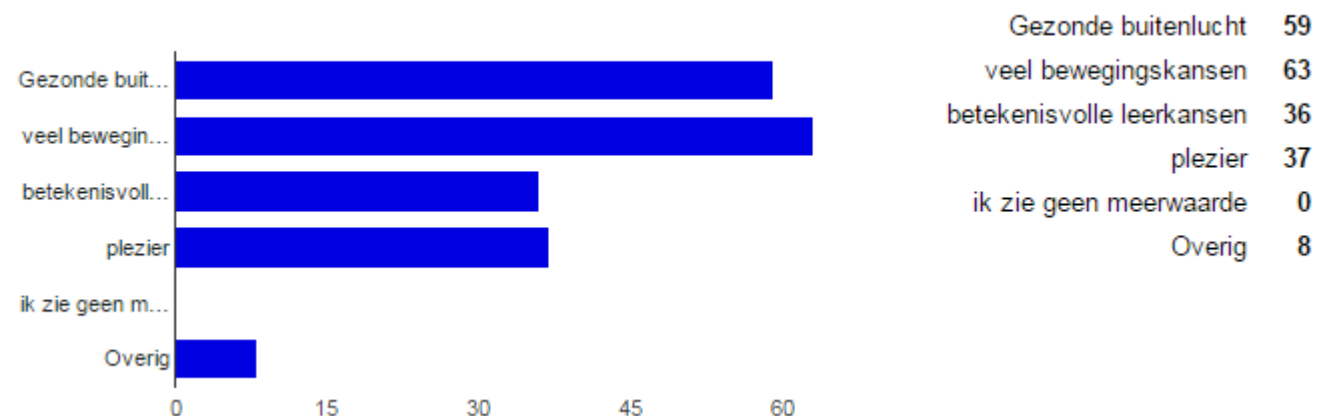
zeer positief	69	72.6%
Positief	21	22.1%
Noch positief, noch negatief	3	3.2%
negatief	0	0%
zeer negatief	1	1.1%
ik weet het niet	1	1.1%

Reacties ouders

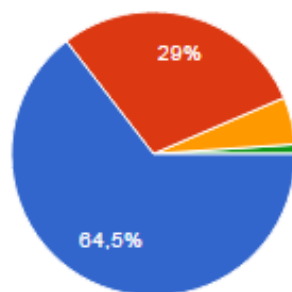
Bezorgdheden: veiligheid, het weer,

....

Wat is voor u de belangrijkste reden om uw kind naar buiten te laten gaan ?



Vindt u de toegang tot natuurlijke zones (vb tuin, grasveld, bos, park, ...) belangrijk om aan Outdoor Learning te kunnen doen ?

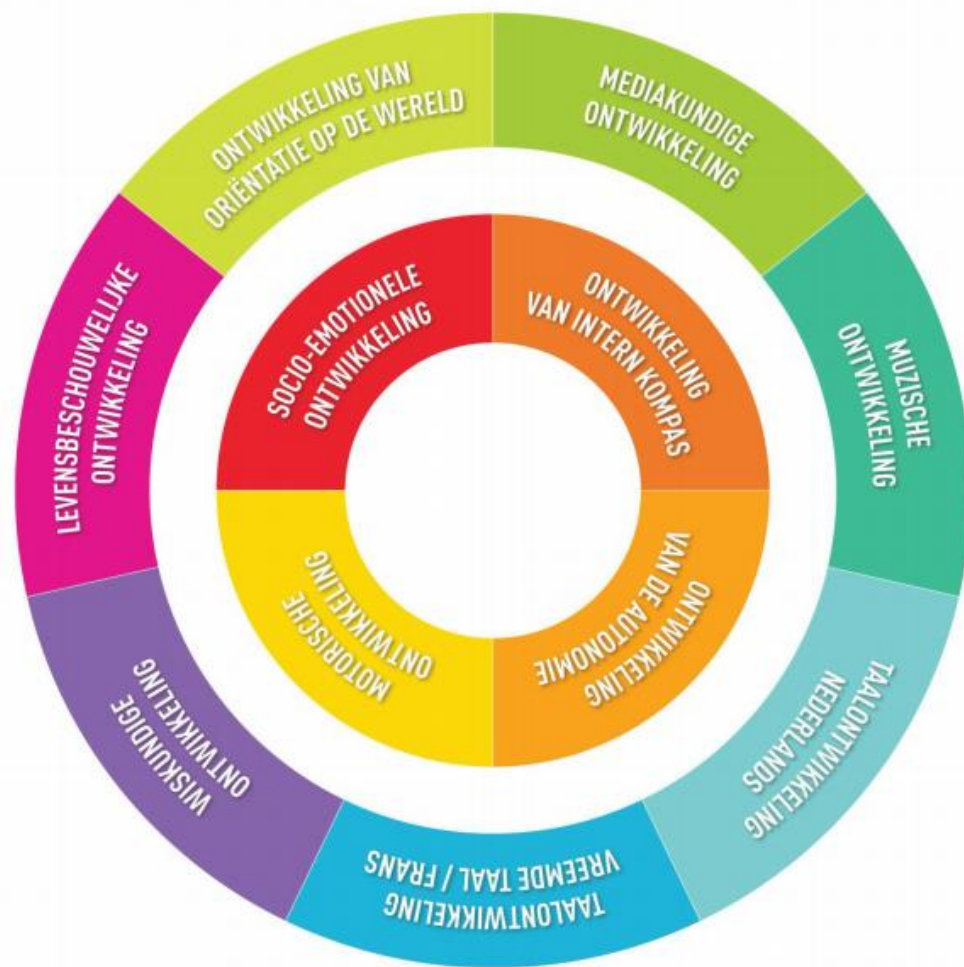


zeer belangrijk	60	64.5%
eerder belangrijk	27	29%
noch belangrijk, noch onbelangrijk	5	5.4%
eerder onbelangrijk	1	1.1%
onbelangrijk	0	0%
ik weet het niet	0	0%

Outdoor Learning is

... meer dan buiten spelen in het groen

Een kijkje bij de buren met ‘*een*’ leerplan van de toekomst.



Schotland: stad



Engeland: landelijk



Ijsland: 'stedelijk'











Duitsland: 'stedelijk'



**Waar kan een leerkracht in Vlaanderen
terecht voor meer *(concrete)* info?**

- Digitaal surfuitstapje -

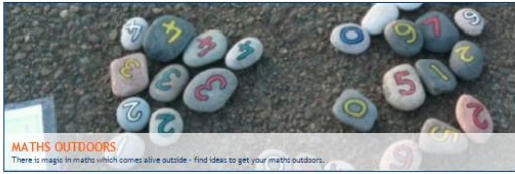
Internet ...

Een greep uit het overaanbod

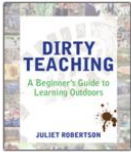


I'm a teacher, get me OUTSIDE here!

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MATHS OUTDOORS
There is magic in maths which comes alive outside - find ideas to get your maths outdoors.



DIRTY TEACHING
A Beginner's Guide to Learning Outdoors
JULIET ROBERTSON

Welcome to the Creative STAR website - the digital gateway to the real world

Inside these pages are lots of practical ideas and information about learning and playing outdoors.

Click on the links on the RH column. The search button is handy too!

Training dates - open courses and conferences

"Thank you so much for your input into the Teacher's Conference yesterday. Your keynote speech was absolutely perfect and set the scene perfectly for the day. I have received lots of feedback from delegates in terms of how inspiring they found it and this was echoed by our Chief Executive, Trevor Beattie.

Your workshop sessions were also brilliant with participants scoring you very highly on their evaluations in terms of both how useful and how enjoyable they found it.

Thank you very much for agreeing to support the conference, it was a pleasure to meet you and I was definitely inspired!" Amanda Elmes, Learning, Outreach and Volunteer Lead, South Downs National Park Authority, April 2016.

Here are some of the open events I am training or presenting at:

- Outdoor Maths in the Early Years, [Madeleine Lindley Ltd](#) - 4th May, Oldham

Maths Outdoors EYFS

JOIN THE OUTDOOR CONVERSATION ON FACEBOOK

FIND CREATIVESTAR ON TWITTER

Shieling Excavation Open Day - Saturday 30th April Come and join expert archaeologists on our exciting dig... <https://t.co/0gld03JREF>

Early Years in Iceland - enjoy the video. I can't wait for the Education Ireland conference to learn with and... <https://t.co/1Q2423nHBP>

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This way to The Blog.....

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C&N Connect was created to support people and organizations working worldwide to reconnect children and nature.

Featured Groups:






CHILDREN AND NATURE NEWS

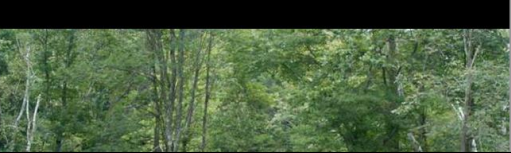
Georgia School Ensures Kids Connect with Nature - and Go Home Dirty

Madison Kicks off Plans to Connect Children to Nature

Swings, Slides and ... iPads?: Gaming Companies Target Kids' Outdoor Play

Study: Natural Elements on Playgrounds Can Help

PHOTOS



<http://childrenandnature.ning.com/>



Council for Learning Outside the Classroom

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Home

Learning outside the classroom changes lives...

The Council for Learning Outside the Classroom is the national voice for learning outside the classroom. We believe that every young person (0-19yrs) should experience the world beyond the classroom as an essential part of learning and personal development, whatever their age, ability or circumstances. [Read more about us.](#)

Whether you are an education practitioner, headteacher, governor or organisation that provides LOTC experiences, this website offers a large range of resources developed with the support of many experts in the field learning outside the classroom. The site is designed to support anyone working with young people aged 0-19 provide high-quality educational experiences.

CLOtC events & training

For 2016, we have revised and updated our training programme to ensure that we continue to improve and meet the needs of those working in learning outside the classroom. Our training programme now offers a clear progression, so that you can build up your skills and confidence in learning outside the classroom over time. You can join us at any point in the training journey.

[Upcoming course dates](#)

[Find out more](#)



UPCOMING EVENTS

19/04/2016
[Bushcraft for Outdoor Practitioners](#)

19/04/2016
[Plants and animals in science at KS1 and 2](#)

20/04/2016
[Derbyshire Learning Outside the Classroom Conference 2016](#)

[View All Events](#)

DONATE

If you would like to show your support for CLOtC and help us increase the LOTC opportunities for all young people, why not make a donation. It's simple! Just use the button below and enter an amount. Thank you for your generosity.

[Donate](#)

<http://www.lotc.org.uk/>



GROENE SCHOOLPLEINEN

SUCCES- EN FAALFACTOREN
BIJ EEN DUURZAAM ONTWERP
VAN GROENE SCHOOLPLEINEN

Dr. Jolanda Maas
Rianne Muller, MSc
Dr. Dieuwke Hovinga

2014

OLE OpenLucht Educatie

INTRO WAT WAAROM HOE WAAR GROENE SPEELPLAATS LINKS

INFO EN CONTACT

OpenLuchtEducatie (OLE)

Outdoor Learning & Education



OpenLuchtEducatie bestaat in het buitenland al langer onder de naam 'outdoor education' of 'outdoor learning'.

http://www.vhg.org/media/rtf/Kennisbank/2015_0687_Groene_Schoolpleinen_succes-en_faalfactoren_bij_een_duurzaam_ontwerp_van_groene_schoolpleinen.pdf

<http://openluchteducatie.jimdo.com/>





[Go to Glow](#)

Learning and teaching
Inclusion and equalities
Inspection and review
CLD
Professional learning
Resources
A-Z
Parentzone Scotland

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Outdoor learning

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Read the guidance document [Curriculum for Excellence through Outdoor Learning](#) and explore the resources available to find out how your school or centre can provide the best opportunities for creative and inspiring outdoor learning.

Places to learn outdoors



From the school grounds to going abroad, there are many locations for outdoor learning. Read more about how

Where to go in Scotland



Browse and search our interactive map of places to visit throughout Scotland.

Health and safety guidance

[Going Out There: Scottish Framework for Safe Practice in Off-site Visits](#)

Find out about Going Out There, the refreshed guidance now available on a new SAPOE website.

Contributors

This online resource was developed by [Education Scotland](#) in partnership with:

<http://www.educationscotland.gov.uk/learningandteaching/approaches/outdoorlearning/index.asp>




<http://www.llt.org.uk>


Learning Through Landscapes & Grounds for Learning

Geabonneerd
554

Home
Video's
Afspeellijsten
Kanalen
Discussie
Over



01. The value of play in schools
2 jaar geleden · 4.328 weergaven
Explore how outdoor play can support your children's learning and development and begin to think about how your school could enrich playtimes. ...

Gemaakte afspeellijsten



23 VIDEO'S

Video's die ik leuk vind



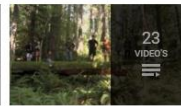
12 VIDEO'S

Playtime Revolution



10 VIDEO'S

Featured films



23 VIDEO'S

Why go outdoors?



4 VIDEO'S

About us



18 VIDEO'S

Developing your outdoor space

<https://www.youtube.com/channel/UC0iPpin0rUxqgQgHSwJPElw>



EDUCATION OUTSIDE THE CLASSROOM



Home

[EOTC home](#)[LEOTC home](#)[Sitemap](#)

Education Outside the Classroom (EOTC)



The EOTC site has information and support for schools and teachers to provide safe and effective outside the classroom learning >>

Learning Experiences Outside the Classroom (LEOTC)



The LEOTC site has information for schools, parents, and providers about the Ministry of Education's Learning Experiences Outside the Classroom curriculum support project >>

The National Curriculum

Education outside the
classroom supports



The New Zealand
Curriculum



Te Marautanga o
Aotearoa



EOTC guidelines -
Bringing the
Curriculum alive

Home

EOTC home

For teachers

Teaching resources

- EOTC in action

- Making EOTC happen

Activities, Ideas, Tools

- Learning Safely

- Adventure Activities Regulation

FAQ

Key resources

Making connections

Professional Development

For boards and principals

For parents and whānau

For providers

Definitions

Research and resources

EOTC Guidelines

Learning voices

LEOTC home

pages.

Activity

Description

Learning

Search

Log in

Navigate in:
te reo Māori

	lives in the soil by exploring different soil samples from around the school grounds.	Science, Technology		 Activity - Soil Dig (Word 2007 1 MB)
Sound log	To consider the sounds in a particular environment and think about what affect different sounds have on us.	Integrated, Science, Mathematics, Social science, English, Arts	1-7	 Activity - Sound log (Word 2007 1 MB)
Sustainable cities: Action planner	A template for the aspects required for planning an action.	Integrated, Health and PE, Science, Mathematics, Social science, English, Arts, Technology.	3-8	 Tools - Sustainable Cities-Action Planner (Word 2007 1 MB)
Sustainable cities: Framework for a SWOT analysis	A template of a SWOT chart (Strengths, Weaknesses, Opportunities, Threats).	Integrated, Health and PE, Science, Mathematics, Social science, English, Arts, Technology	3-8	 Tools - Sustainable Cities-Framework for a SWOT analysis (Word 2007 1 MB)
Sustainable cities: Log book	A log book suggestion for students doing a sustainable cities study based on Education for Sustainability achievement standard 90810.	Integrated, Health and PE, Social science, Technology.	6-8	 Tools - Sustainable Cities-Logbook (Word 2007 1 MB)
Sustainable cities: Mentors memorandum of understanding	An MOU for students, teachers and community mentors involved in a sustainable cities study based on Education for Sustainability achievement standard 90810.	Integrated, Health and PE, Social science, Technology.	6-8	 Tools - Sustainable Cities-Mentors Memorandum of Understanding (Word 2007 1 MB)



The National Curriculum

Education outside the classroom supports



The New Zealand Curriculum



Te Marautanga o Aotearoa

EOTC guidelines - Bringing the Curriculum alive

Literatuur ...

Een greep uit het (over-)aanbod

Research & Studies

Research Reports and Data Studies in Aggregate

Research Center Home

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Search Research

Subject Category

- ☐ Green Schoolyards
- ☐ Physical Health
- ☐ Mental Health
- ☐ Developmental Outcomes
- ☐ Educational Outcomes
- ☐ Conservation Ethic
- ☐ Free vs. Structured
- ☐ Public Play Spaces
- ☐ Outdoor Participation
- ☐ Access to Nature
- ☐ Disparities in Nature Access
- ☐ Barriers to Nature Play
- ☐ Parental / Family Factors

Your search for: Green Schoolyards found 33 results.

1 2 3 Next >>

The restorative effects of redesigning the schoolyard: A multi-methodological, quasi-experimental study in rural Austrian middle schools

Greening of a schoolyard results in improved well-being and diminished physiological stress

Kelz, C., Evans, G. W., Röderer, K., (2013). The restorative effects of redesigning the schoolyard: A multi-methodological, quasi-experimental study in rural Austrian middle schools. *Environment and Behavior*, 47(2), 119-139.

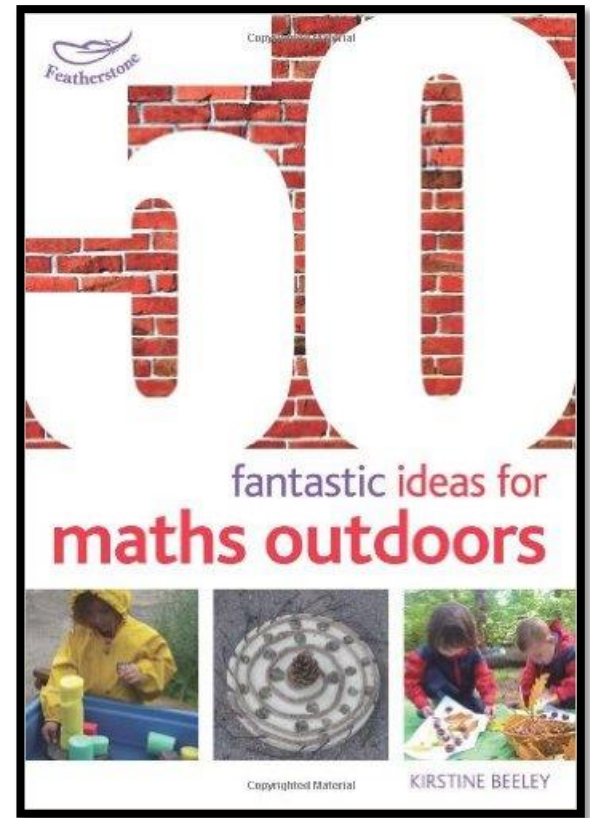
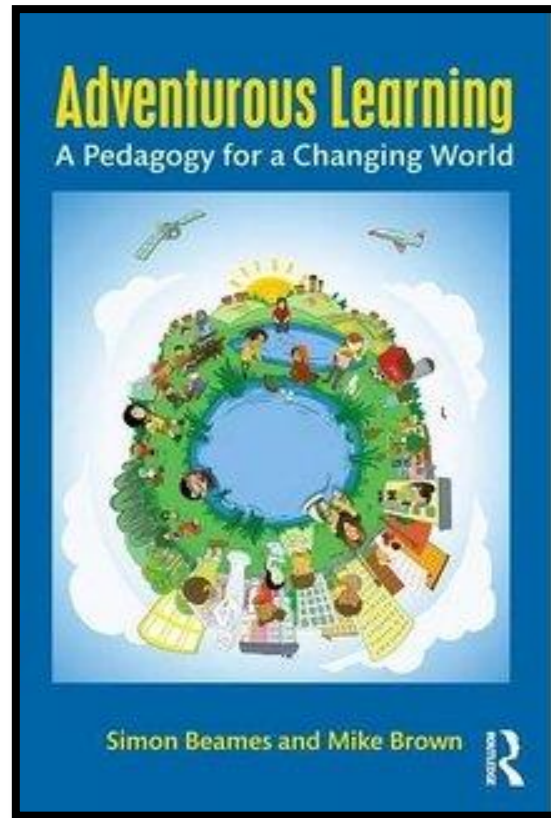
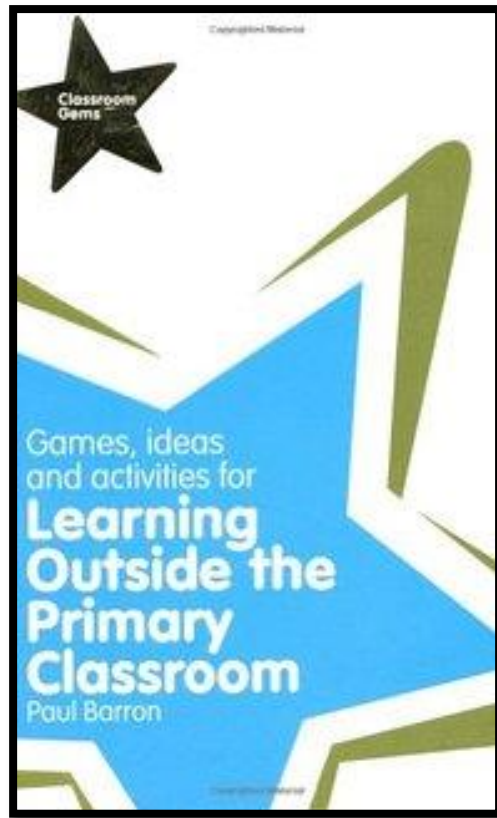
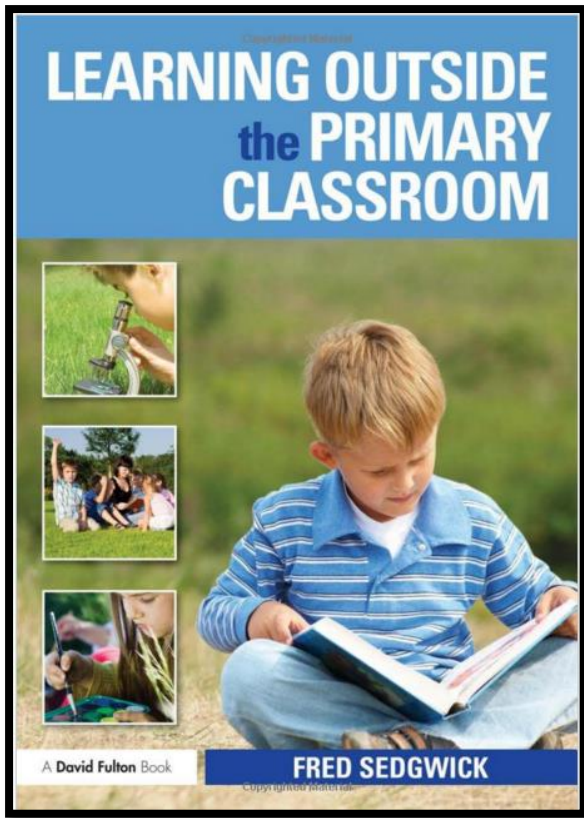
Learning biology and mathematics outdoors: Effects and attitudes in a Swedish high school context

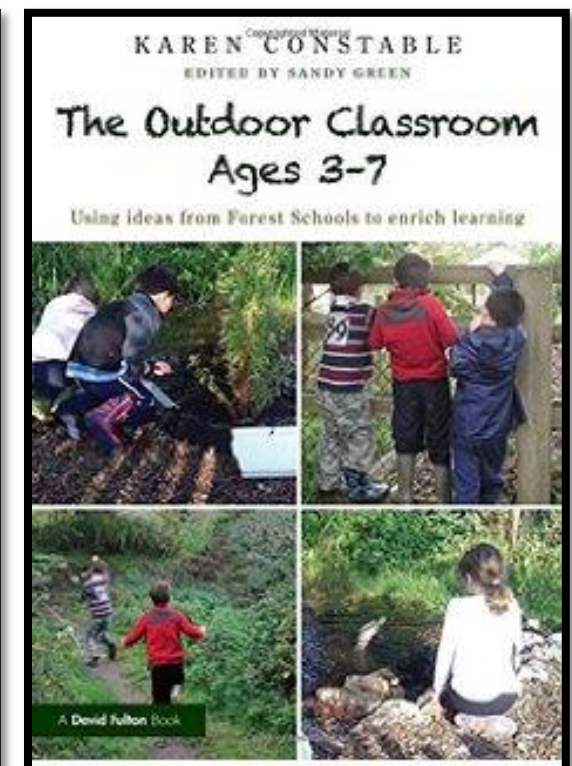
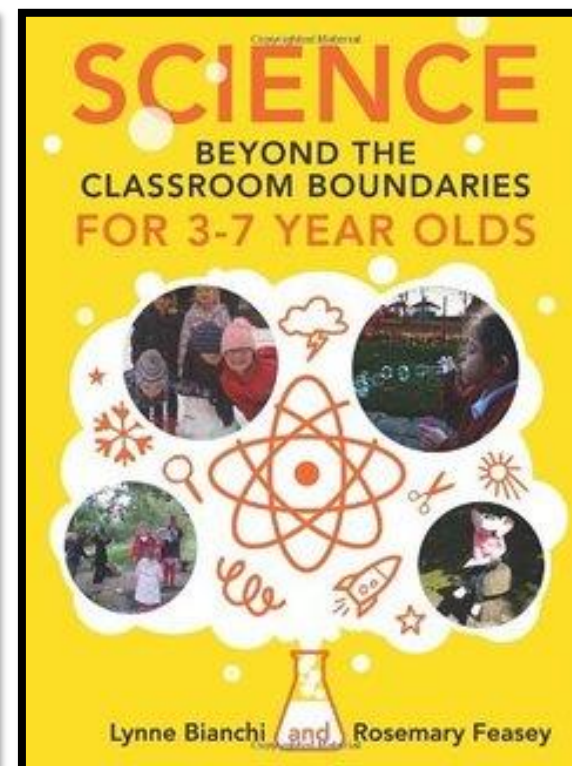
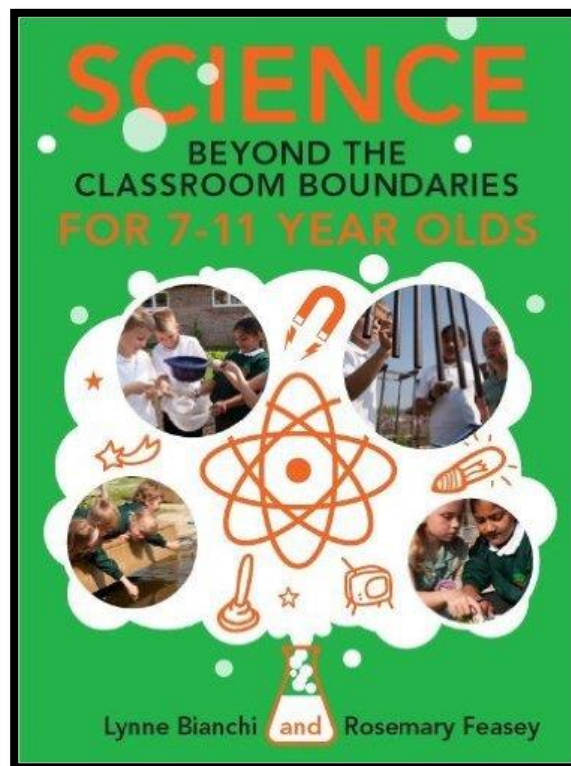
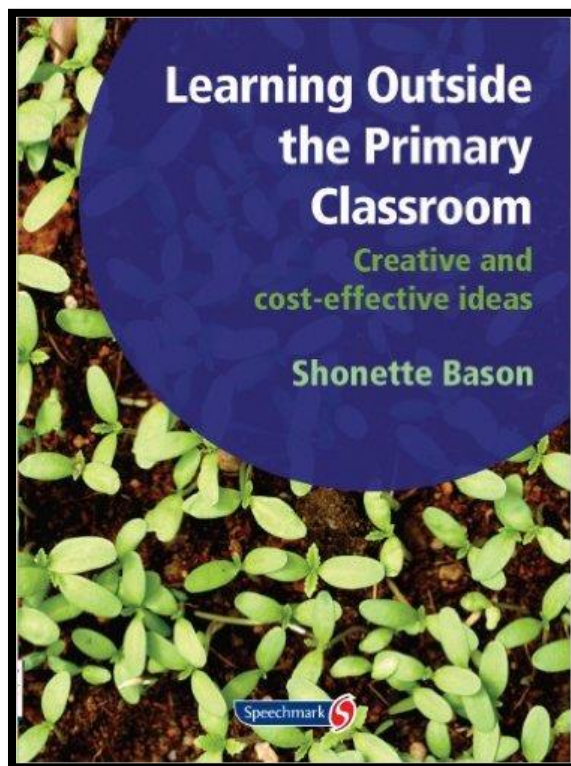
Outdoor learning improves long-term memory of course content and increases positive student attitudes

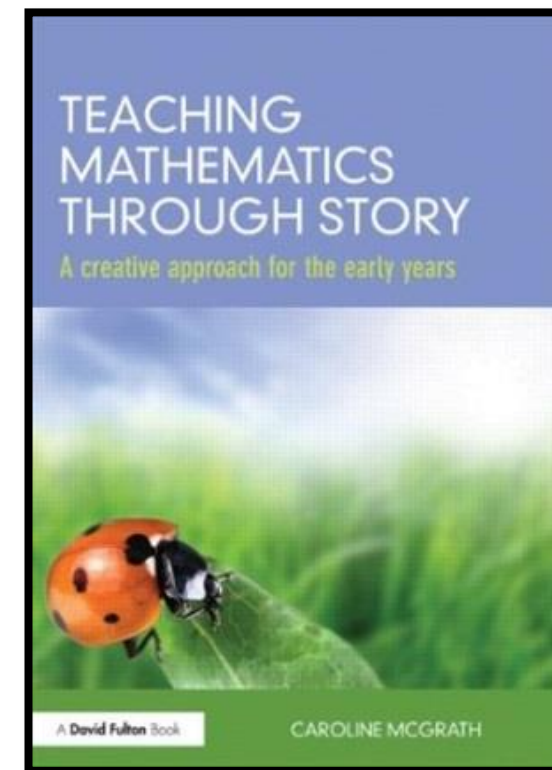
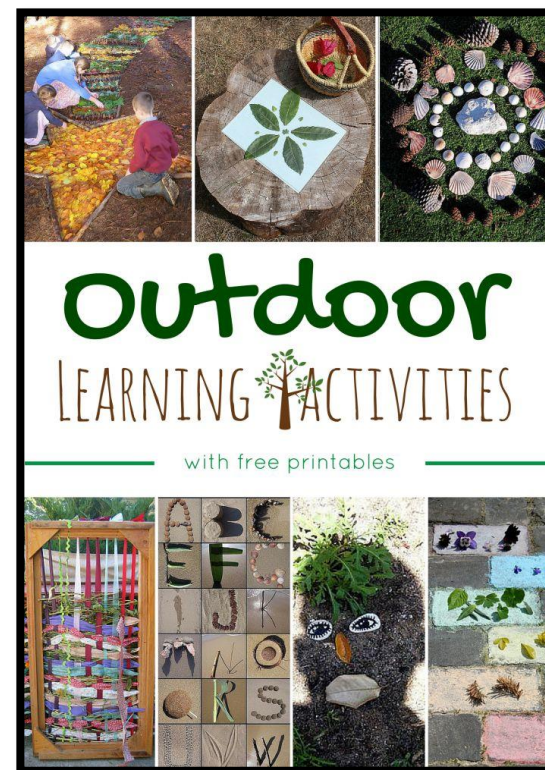
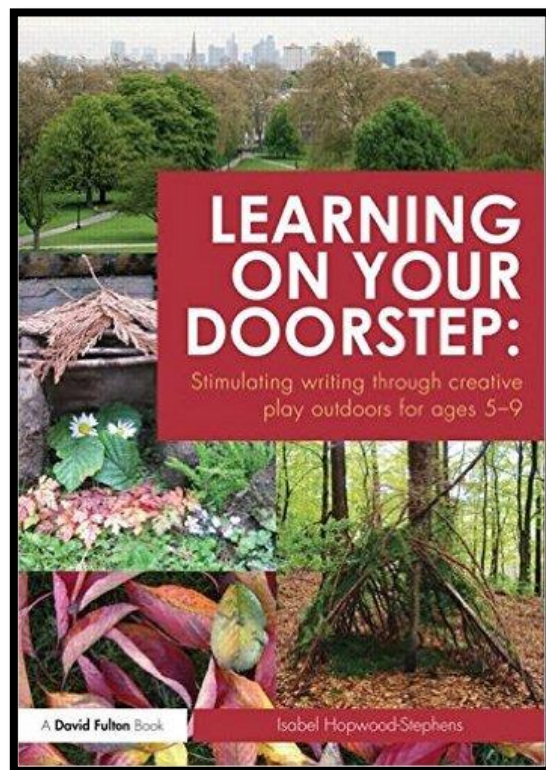
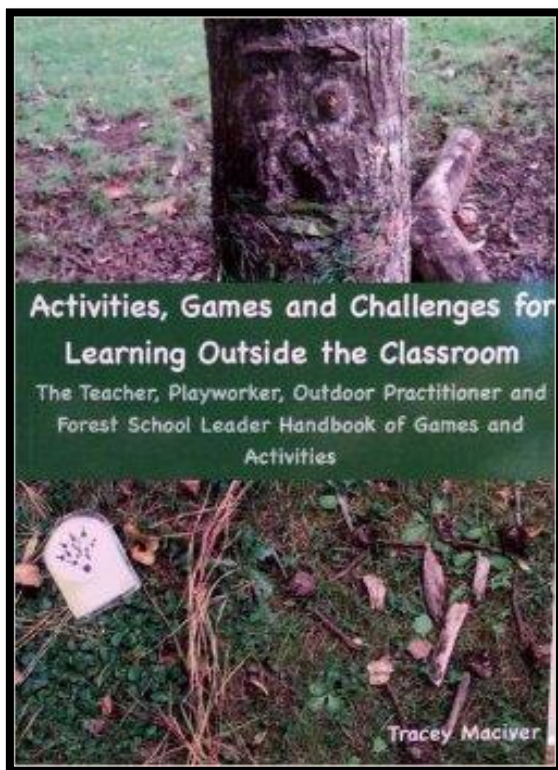
Fägerstam, E., Blom, J., (2013). Learning biology and mathematics outdoors: Effects and attitudes in a Swedish high school context. *Journal of Adventure Education & Outdoor Learning*, 13(1), 56 - 75.

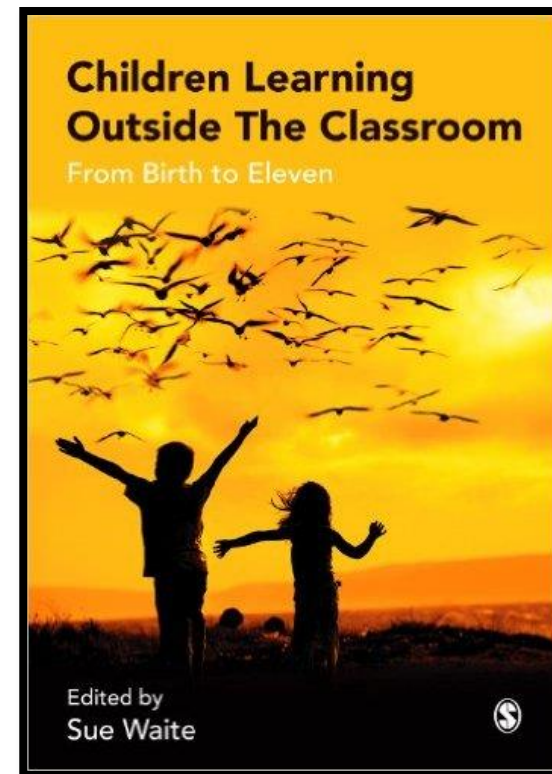
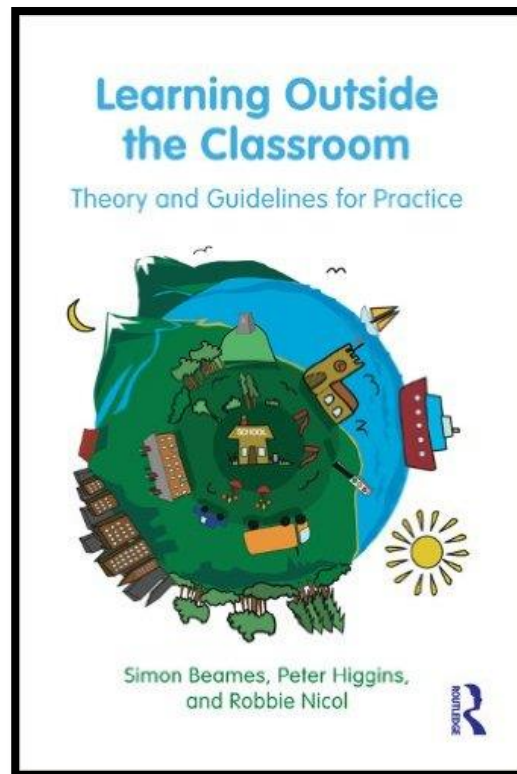
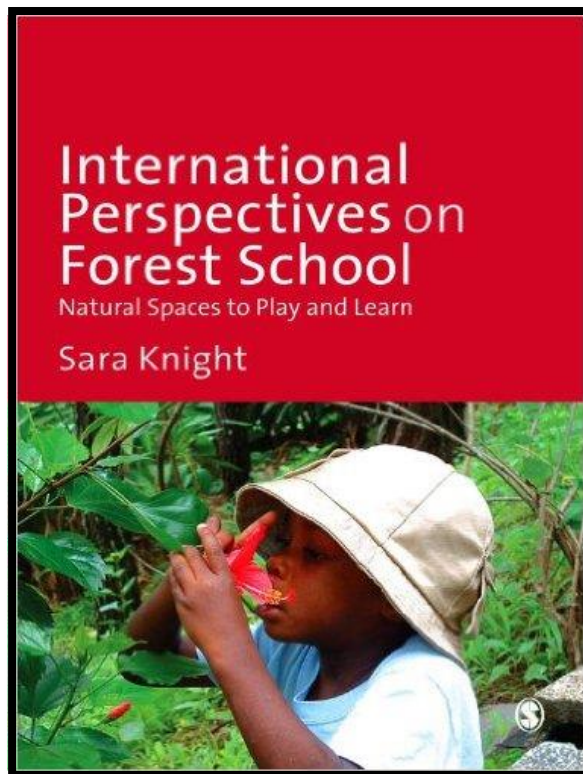
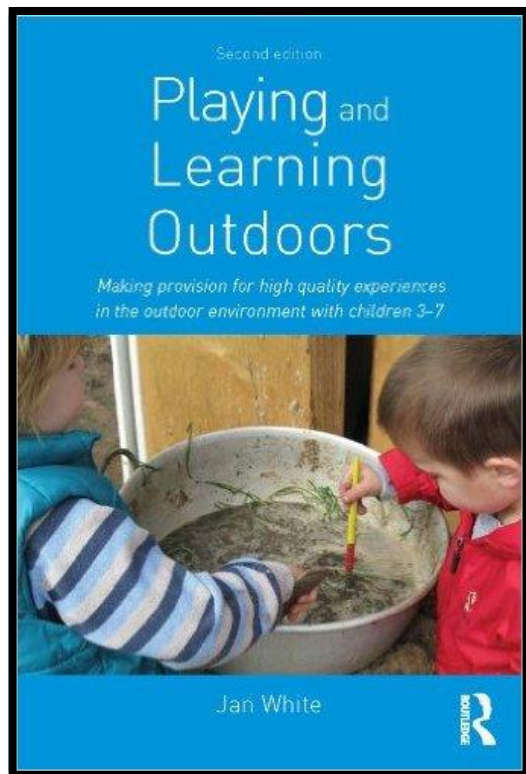
Does a nurturing approach that uses an outdoor play environment build resilience in children from a challenging background?

https://www.childrenandnature.org/research/?search=research&subject_category%5B%5D=Green+Schoolyards&keyword=&start_date=









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