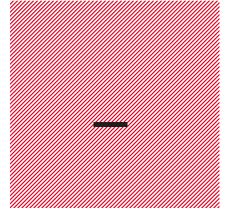
NO KID WILL EVER REMISER — SPENDING THEIR BEST DAY IN FRONT OF A SCREEN. hogeschool

School@farm – an outdoor education project

Annelore Blondeel
VIVES ONDERWIJS KORTRIJK
8 mei 2024







What is your most memorable memory of your childhood time in school context?



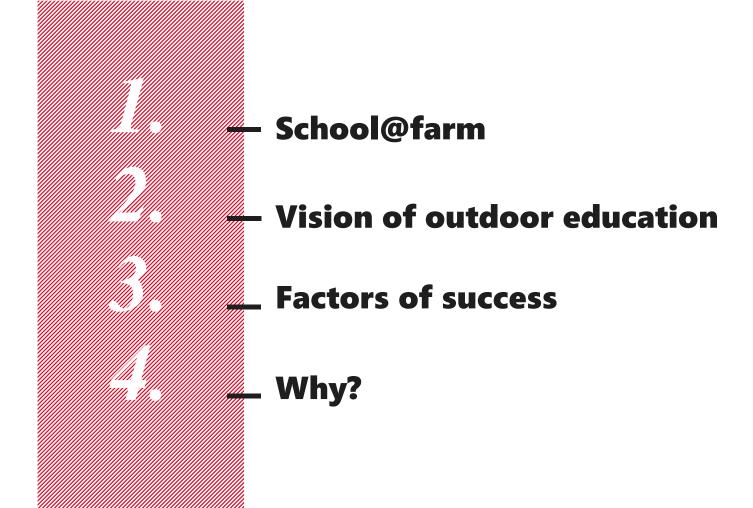
What you will never forget...













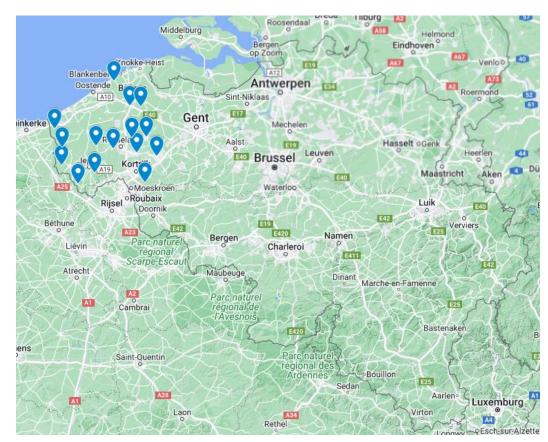
__ School@farm

Outdoor education project

Since 2016

15 farms – 20 classes

Educational project + research project





___School@farm Collaboration between schools & farms

10 days during 10 consecutive weeks 5th or 6th grade of a primary school

- Learning in authentic, realistic context
- Carrying out real jobs
- Experiencing routine
- Feeling the weather (bike)
- Inquiry based learning (STEM-education)



DAIRY FARMS



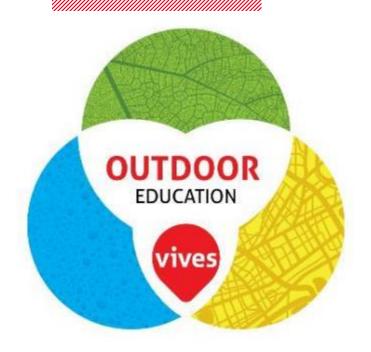
FRUIT CULTIVATION



GREENHOUSE CULTIVATION



Vision outdoor education



Physical activity in the outdoors

Personal and IN social AB development env

Education
IN or/and
ABOUT the
environment



Outdoor education is head, hart and hands



Do you jump further than a ...?







Physical activity in the outdoors

Personal and social development

Physical activity in the outdoors

Education IN or/and ABOUT the environment

- Math (geometry, measuring)
- Nature
- Technology
- Engineering
- Science
- ...





Physical activity in the outdoors

Personal and social development

Physical activity in the Education IN or/and ABOUT the environment

Calculating with scale

- What is the length of the toy tractor?
- What is the scale?
- What does that mean?
- •

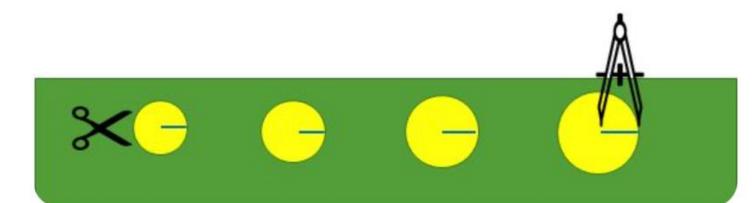
speelgoed	1 cm	20 cm
echt	x 16 (16 cm X 20 = 320) x 1	



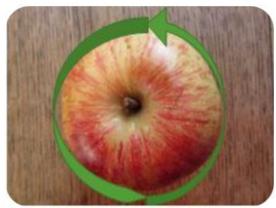
The apple sorting machine

Challenge: How can we sort apples?

- How would we handle this?
- If we look at an apple from above, what shape does it have?



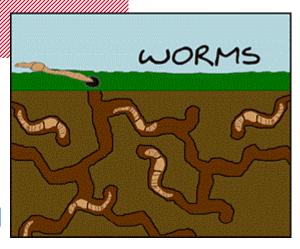






Dowe have 200 rainworms per m² in our field?

SCIENCE













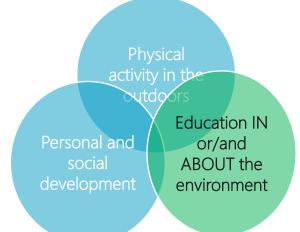




Physical activity











What is unique in this project (in Flandres)?

Machors of success

- On a permanent base
- Fixed ritual and solid planning
- In all weather conditions
- On a location nearby
- Learning + working
- Didactics of inquiry based learning
- Collaboration



Management base



10 consecutive weeks

Long term More effect Enagement



Factors of success **Market** ritual and solid planning

PLANNING

at school: briefing (rules...)

By bike to ...

Putting on rubber boots and

overall

Let's get to work (song)

WORKSHOP 1: 1 hour

pauze

WORKSHOP 2: 1 hour

Time to reflect

(picknick)

By bike to school

10 days during 10 consecutive weeks 5th or 6th grade of a primary school

Two groups with a strict plan – in a shear system

Doing everyday tasks, experiencing routine (and putting it into a positive view) Reflecting on social skill.

Feeling and keeping track the weather

Guidance from teacher and farmer.

Learning in an authentic context





A ritual and solid planning



klein = kleine diertjes, kleine werktuigen en kleine werkmannen in overalls. Maar hoeveel kleiner zijn onze



Large based of igna, this chaigs are discours on the an extraction based continuous belong gas regions following an extraction or a property of the modes. Describes integer continuous continuous large blank ways. If it is a programment as to extract. Not person and belong-based on the based on the continuous and conti

This research in diges artistation beginner (10 feet income (the context) from the first of the feet o

E/WWA but too /elliscosom.

NOAPLOOGES-BRID

Minimino fantanzasia na egimenten sali per antici le familio mel el primitario. Ranteritari una camagnament sonit, en le primita 1 Seniorii, supre- anciorii

- (below, solin over 2) (but below to soling (Ahra & solin solin Research of the Annual or the Manager Annual or the Annual or t

All controls of the Control of the C

In discrete the limit had corner do notice. We can set times if the communication is doning to some day on the limit to the article of world to set the continue to set times and an interest of the properties of the continue to the continue to the properties of the continue to the conti

After your performance of the agreement of 100 rate agreement and only of the beauty of the

DESCRIPTION OF THE PARTY OF THE

It spectrum an intermentation contribution of greatly softly, they could intermed experience on any face beginning or they profile. Condition the first greatly contributed on other land of the first section of regardingment.

These countries are the fact of security 2 completions stages of their couples of the countries of the

The court of the other was as one if the tree due of the tree page both, regibragainst mechanic was one of the facts based for basic a service words, by how the property one due to the court of the contract of the court of the court of the page of the court of the court of the trades a contract to be a due to the court of the

Dept. 1000, would be a not not falling broaded in Notice of other location of though, is no content on the longer of our Park Parks in control falls in public sport of their control falls in the longer colors to it is control to it

 And makes dryater most ever one values in accordingly. The controls have conducted, the according and all makes support and attenues are setting. Letter in the hardy considerate and according.

THE TOTAL PLACE OF THE PARTY OF

Amy factor (to affect only deserve (i)), requests to in a reques-

for the training particular testor, as helder particular testor, the look star shoulder in the serve.

That the Common and controller course for the controller." These general to the art Recognitions to the controller controller to the controller controller

tables to be readed to the tenton by the readed to the property of the tenton of the property of the second of the tenton of tenton of the ten

	-0.041	Trail water tempor
1781 (Fine)		
SCHOOL STREET		
R.P. Degree 1		
ALC:PROPERTY.		

AMERICANNOCORPOR

THE R. P.

When I dank his new (Alle name) is the Commonweal to an ease on agree you have being a family. Some proper was the content to your to industrial ages and the area products in the last to a year. Taken the refuncts worked to the age of providing to that an agreement. What is derived now Taken to wear to an electronic season give a providing of a tolerand, also the training that the effects and with a season and the content providing providing of a tolerand, also the training that the effects and with a season and the content providing the effects of a tolerand and the content and the content providing that the effects and with a season and the content providing the content of a tolerand and the content of the co

Then the special revenues









My My weather conditions









A Synta location nearby













Sustainability

Connection farm-school-parents-...

'outdoor education' doesn't have to be 'special, rare, far away,...'



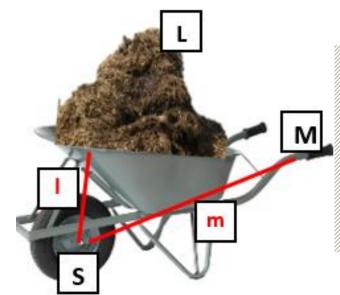
SALERning + working

Ratio:

- 1/3 theory
- 2/3 (physical) activity
 - During activity: coaching, asking questions,...

e.g. wheel barrow
What is the best way to use our wheelbarrow?
How can we test this?





Managerics of inquiry based learning







Collaboration between teacher-farmer

- Communication
- Planning
- Interim reflection



Factors of successCompetencies

Which competencies do a farmer and teacher need to have succesfull School@farm project?

Competency = knowledge + skills + attitudes

Literature review + questionnaire + focus groups teachers and farmers



___ Factors of success

Essential:

- Being flexible
- Giving clear and structured instructions
- Being enthusiastic
- Organisational skills
- Facilitation (guiding, supporting pupils)
- Be able to adapt instructions to group and subject
- Promoting pupil activity
- Being learner-centred (giving learners ownership)
- Being authentic (being yourself, coming across as credible, knowing what you are talking about)



Attitudes > skills > knowledge

Link with session this morning?

Attitude

- 1) Flexible
- 2) enthusastic, motivated
 - 3) patient
 - 4) authentic
 - 5) optimic

Skills

- 1) Motivating children
- 2) Giving clear and structured instructions
 - 3) Be prepared
 - 4) Organisation skills
 - 5) Facilitation (guiding, supporting pupils

Knowledge

- Master the course material
- Knowledge about pedagogy
- Knowledge about inquiry based learning
- Integrating different topics (STEM)
 - 5) Knowledge about safety

hogeschool







Don't forget about the parents...

Meeting for the parents

Updating parents (blog, website,...)

Tour visit on the farm (by the children)





___3.*W*hy?

Why?

- For the health and physical development of children
- For the well being and social skills of children
- For the possibilities of long-learning
- Because the children are the grown-ups of tomorrow (especially on terms of sustainability)
- For the educational possibilities (STEM, entrepreneurship...)





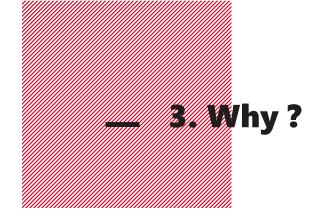


For the health and physical development of children



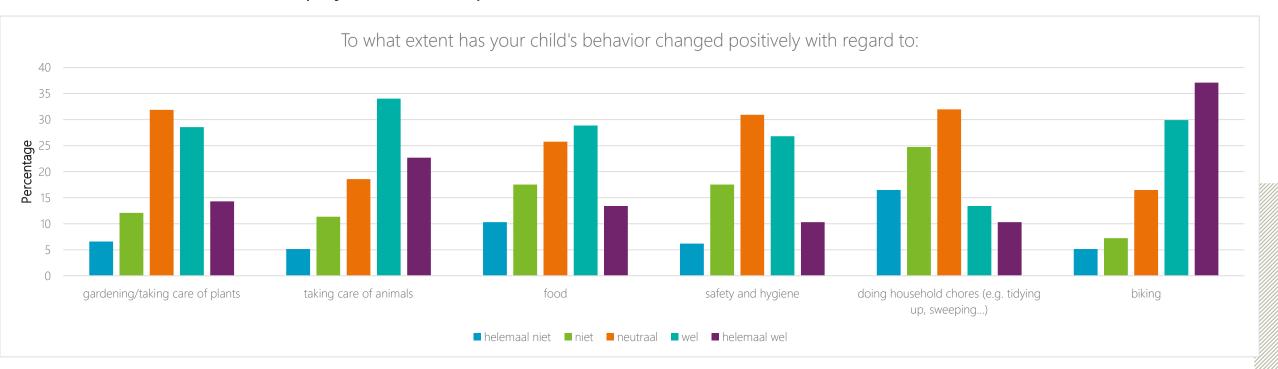






Parent: "After the project, a greenhouse was installed here at home and is maintained together with the dad."

For the health and physical development of children





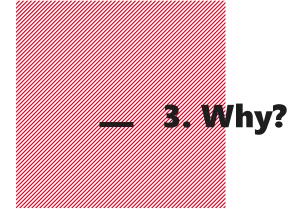
____3, Why ?



For the well-being and social skills of children







"I know a very shy girl and she was a 'chicken queen', she could take any chicken, but in class she is so very shy, but there she revealed herself, that's great to see." (teacher)

- Active participation
- Taking responsibility
- Working together
- Get to know each other's competences

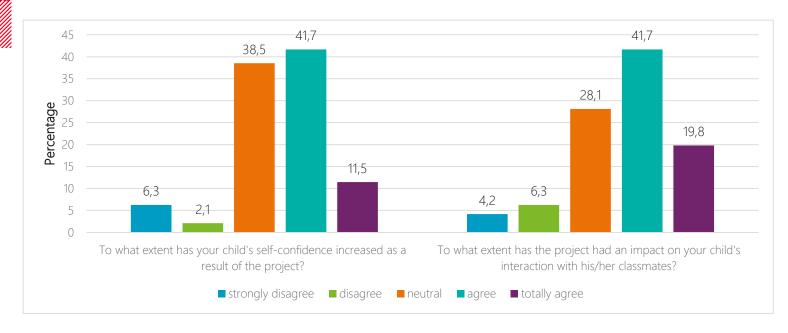
77% of the students indicated that they learned not to be afraid to learn new things at the outdoor location . (girls>boys)





____3,Why?

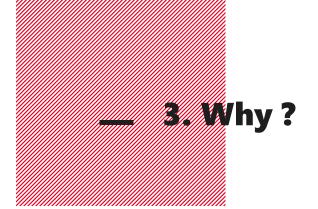
Parent

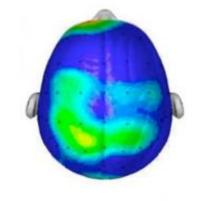


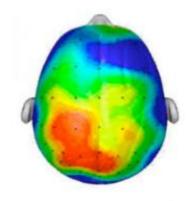
- Discovering new talents, interests...
- Pushing boundaries: biking, contact with animals,...
- Learn to persevere

'My son does not like to study very much and by going to the farm, he was now among the 'better' of the class.' (parent)









For the possibilities of long-learning



'For once, my daughter didn't experience maths as an abstract numerical task, but saw the immediate benefit of it.' (parent)



Life Board & Francis & Orbital School and Continuous Salter Seeds

Outdoor education produces better results

Pupilly who rarable part of their advertion and of doors become more involved usork better with others and bears more, as shown in Emilia Edgerstam's. remarkable theses based on studies in both Sweden and Australia. (87 No. 201

The therm her received a lot of alternar in the mode and it is the first in toweren to shad with subdistrational or says according healt.

For one year, Strike Reporters Inflamed a group of Suspect features and public obstructional paper of their education autilities and compared their, with groups who had all that I know industry to a

"Datibor lessons were more fan and the social

directs in the dispersion improved; both torollers and pupils perhapshed in a different one than reduces," Dissertion sections.

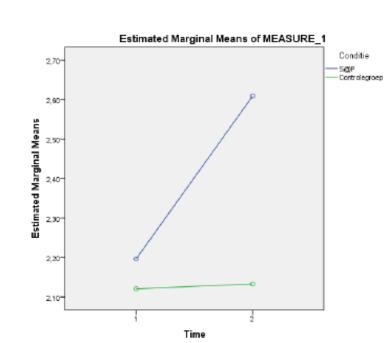
Other are inferriorsed the teachers before then duried colitics bearing, many of their care copion. They wondered how they use have two tip executing our whether the students would respond. Here of their aid: covered volume obsession or promoting wife for prisons subjects

___3.Why?

Students learn best when teaching is meaningful, active and experiential (James & Williams, 2017).

- More practical hands-on
- More motivated
- Long-term

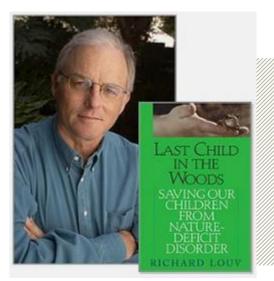
Students of the project scored better on the posttest than on the pretest for the cognitive questions (t(534)=-5.81, p<0.000).



3.Why?



Because the children are the grownups of tomorrow (especially on terms of sustainability) "The future will belong to the nature-smart—those individuals, families, businesses, and political leaders who develop a deeper understanding of the transformative power of the natural world and who balance the virtual with the real. The more high-tech we become, the more nature we need."
—Richard Louv





___3.Why?

It is nice to see how the children grow in ten weeks, learning to know children that live nearby my farm. A lot of the children and their parents come by my shop (several) visits during the holidays. And they often ask about the cows and the chickens.

Hilde (farmer, 't Fazantenhof)





___3.Why?

Project has a significant impact on the attitude students have about the **importance of technology and science** in society.

- Learning by doing
- Concrete
- Link with reality (meaningful context)



3.Why?



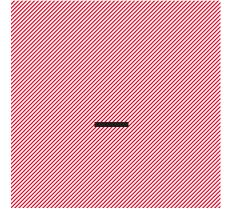


For the educational possibilities

- STEM
- Entrepreunership
- Sustainability
- •







Questions?

Ideas?

Inspiration?

SCHOOL PLATTELAND visie activiteiten praktische info onderzoek



Activities/information on <u>www.schoolatplatteland.be</u> (in Dutch)

Annelore Blondeel – <u>annelore.blondeel@vives.be</u>

