

HOW DOES LEARNING IN THE OUTDOORS SUPPORT THE THEORY OF AFFORDANCE & PHYSICAL LITERACY

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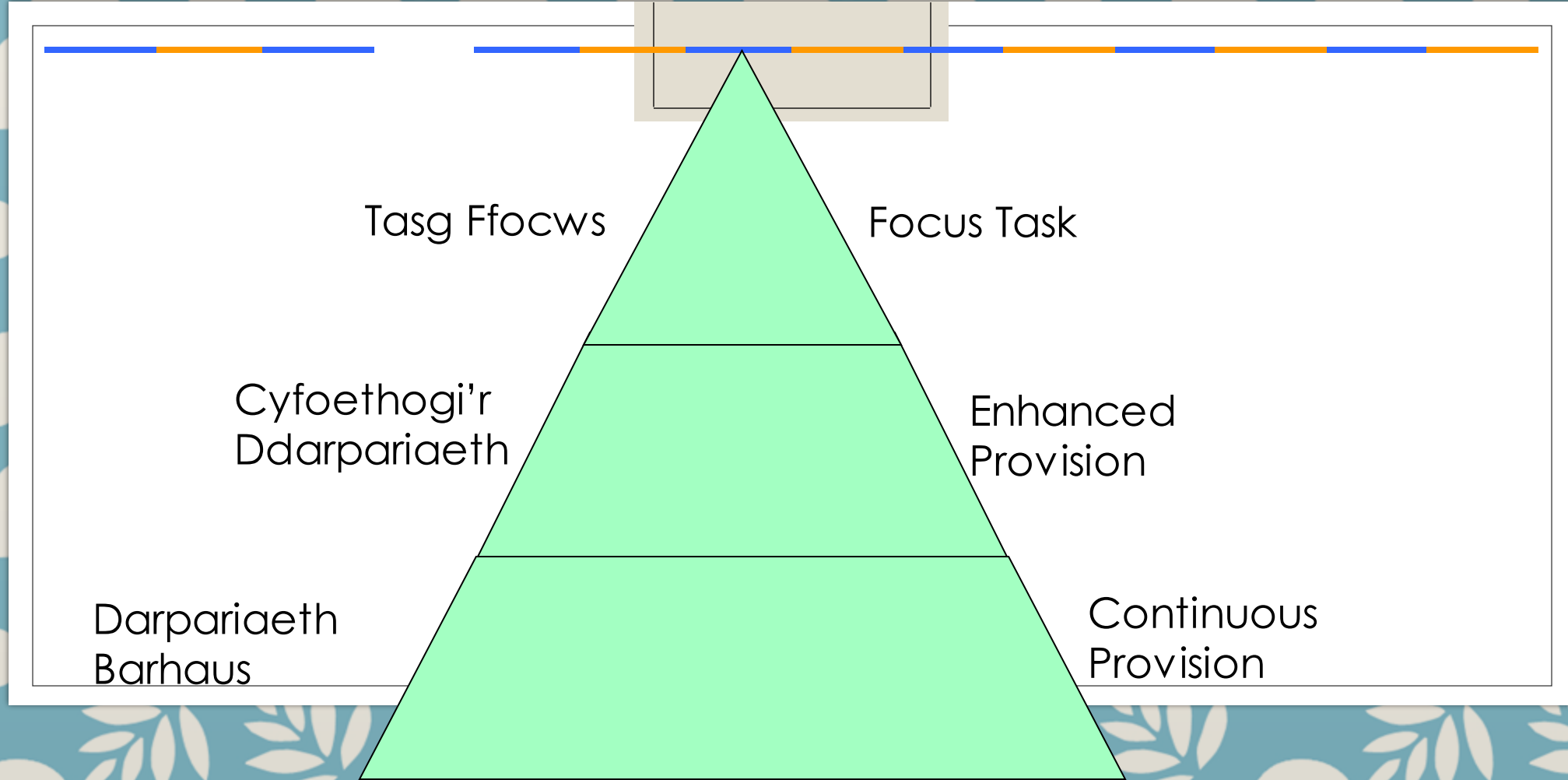
The Foundation Phase in Wales – a play-based curriculum that supports the development of physical literacy

N. Wainwright, J. Goodway, M. Whitehead, A. Williams & D. Kirk

Play and Physical literacy

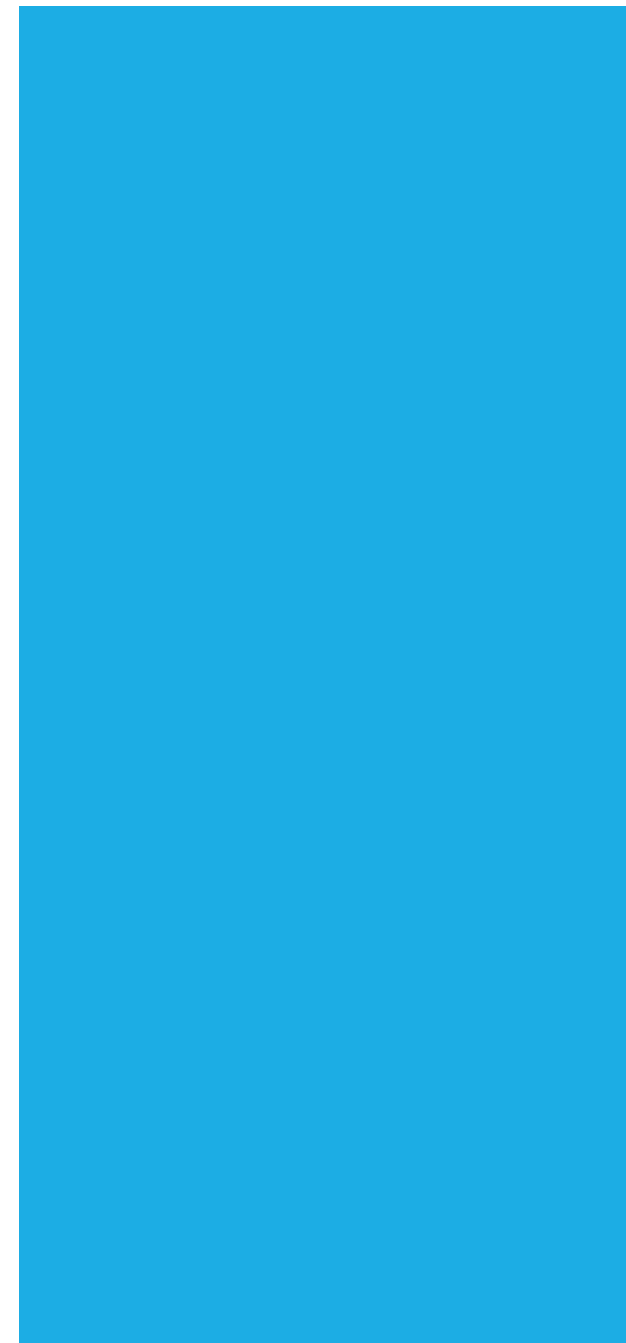
- Play 'facilitates the establishment of many of the other attributes that are characteristic of a physically literate individual, including motivation, confidence, environmental and interpersonal engagement, self-knowledge and self-expression.' Maude (2010:111)



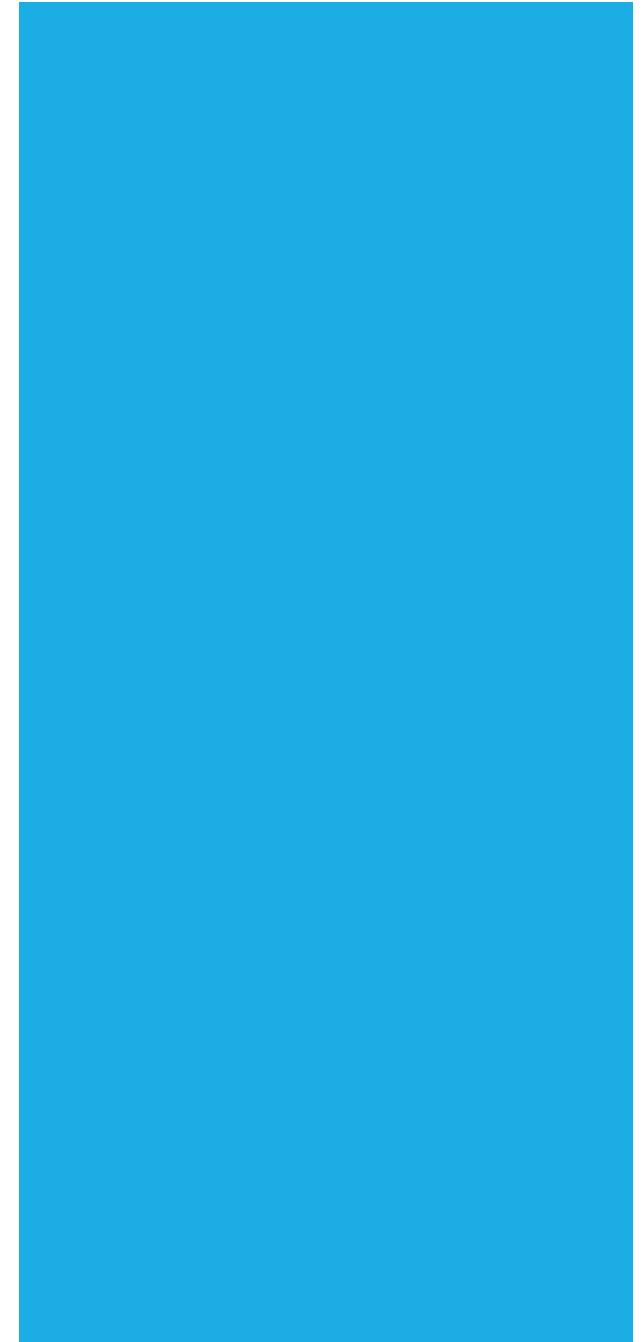


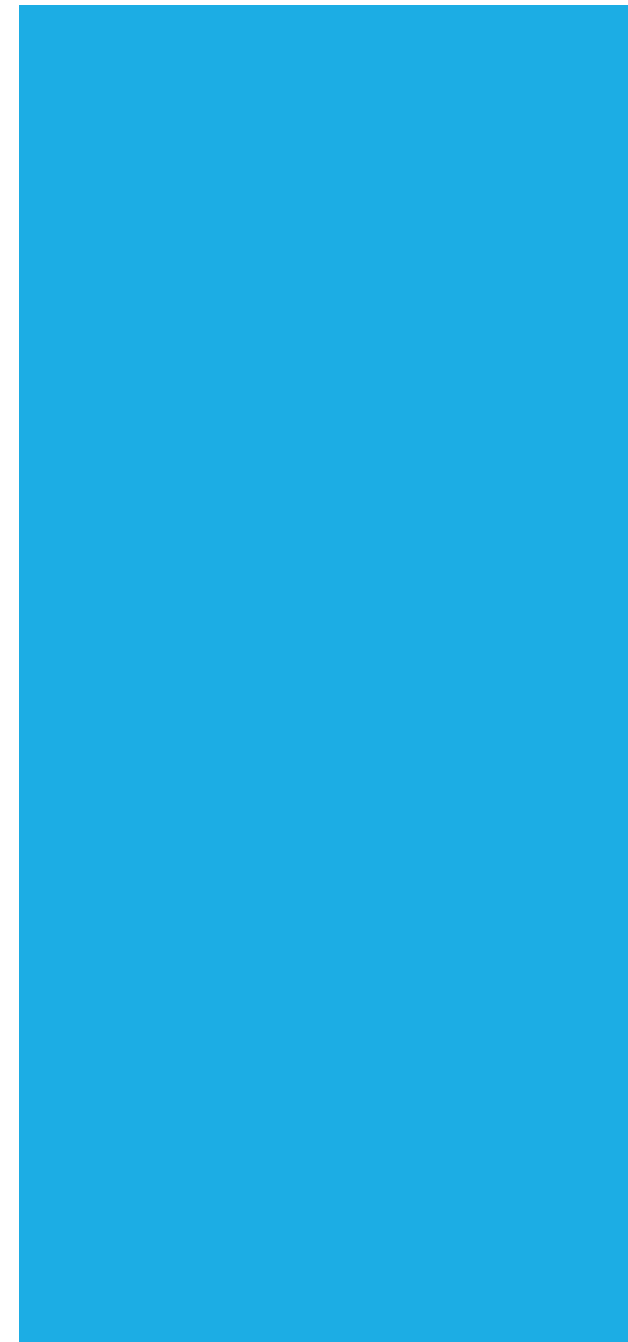


Continuous Provision





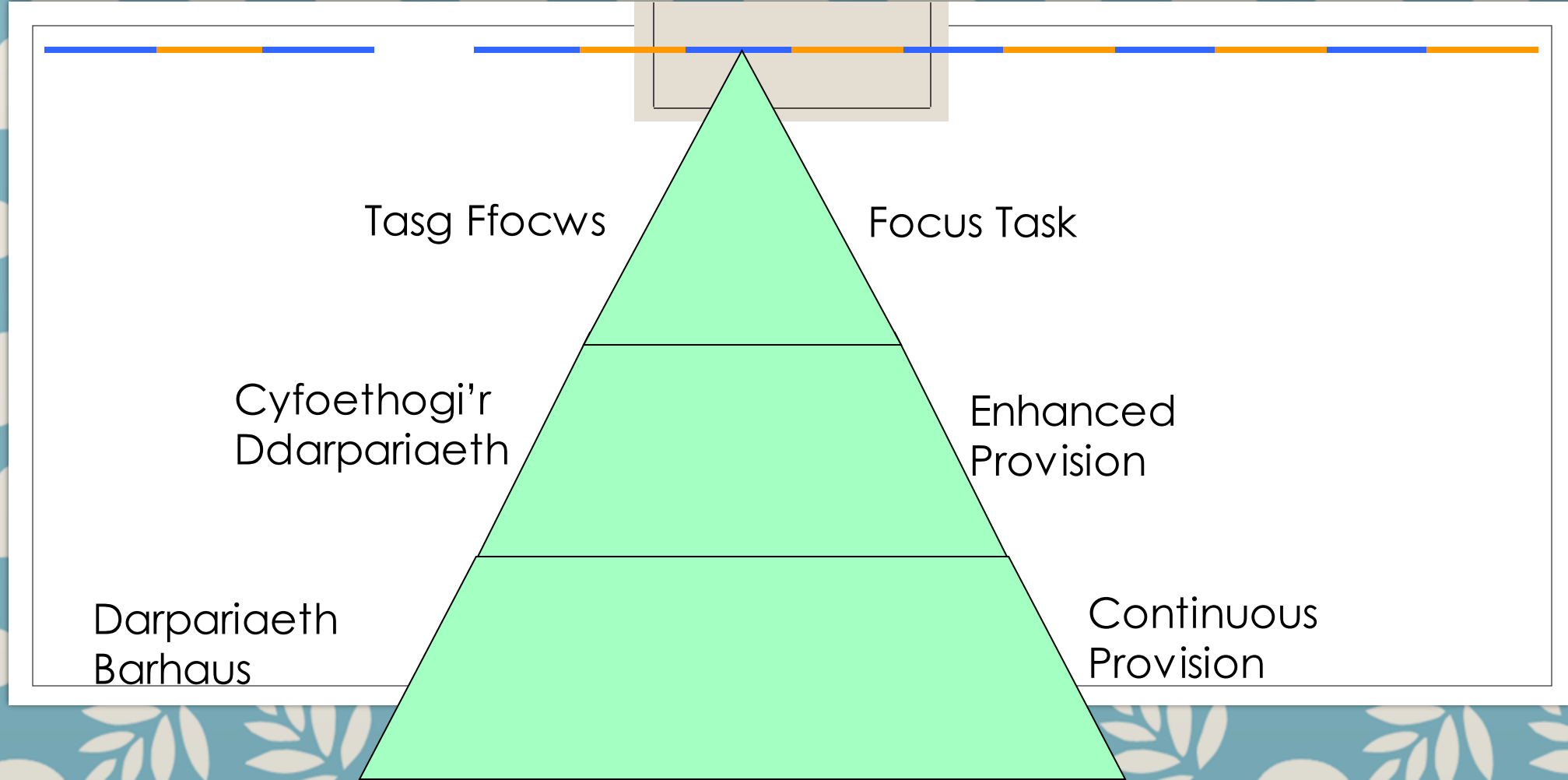






Continuous Provision







Affordances

- The concept of affordances has been widely used in the field of outdoor research (Fiskum and Jacobsen, 2013; Fjortoft, 2001, 2004; Kytta, 2002; Storli and Hagen, 2010;).
- Affordances have properties that they offer to a species but the affordance not only depends on the environment but also the species.
- https://youtu.be/NK1Zb_5VxuM
- Kytta (2004) suggests children's ability to perceive affordances develops as they grow and learn new physical skills. When a child learns to walk, a new field of affordances opens up and they are able to perceive new features of the environment and intuitively use them for physically active play (Storli and Hagen, 2010)

Tasg

- Beth ydy'r cyfleoedd ar gyfer y canlynol o safbwynt odeolion, plant ac anifeiliaid?
- Llyn
- Traeth
- Coedwig
- Ydych chi'n medru meddwl am fwy o amgylcheddau a'u cyfleoedd?

Task

- What are the affordances of these for adults, children and animals ?
- Lake / pond
- Beach
- Woodland
- Can you think of some more outdoor environments and their affordances?



**Enabling
Environments**

Amgylcheddau sy'n galluogi Enabling environments

- **variety of areas**
- **size of spaces**
- **the resources**
- **use of space**
- **adult roles**



Enabling Environments & Affordances

Create a mind map looking at aspects of enabling environments in the outdoors.

What type of materials?

Placing – area & space?

Affordances - Recorded
Lecture Tues 20th Oct
2020



Readings to support Theory
of Affordances



Readings to support Theory of Affordances



Fiskum & Jacobsen : Outdoor education - an increased variability of affordances 2012



Niklasson & Sandberg : Children and outdoor environment 2010



Storli and Hagen : Affordances in outdoor environments and play 2010



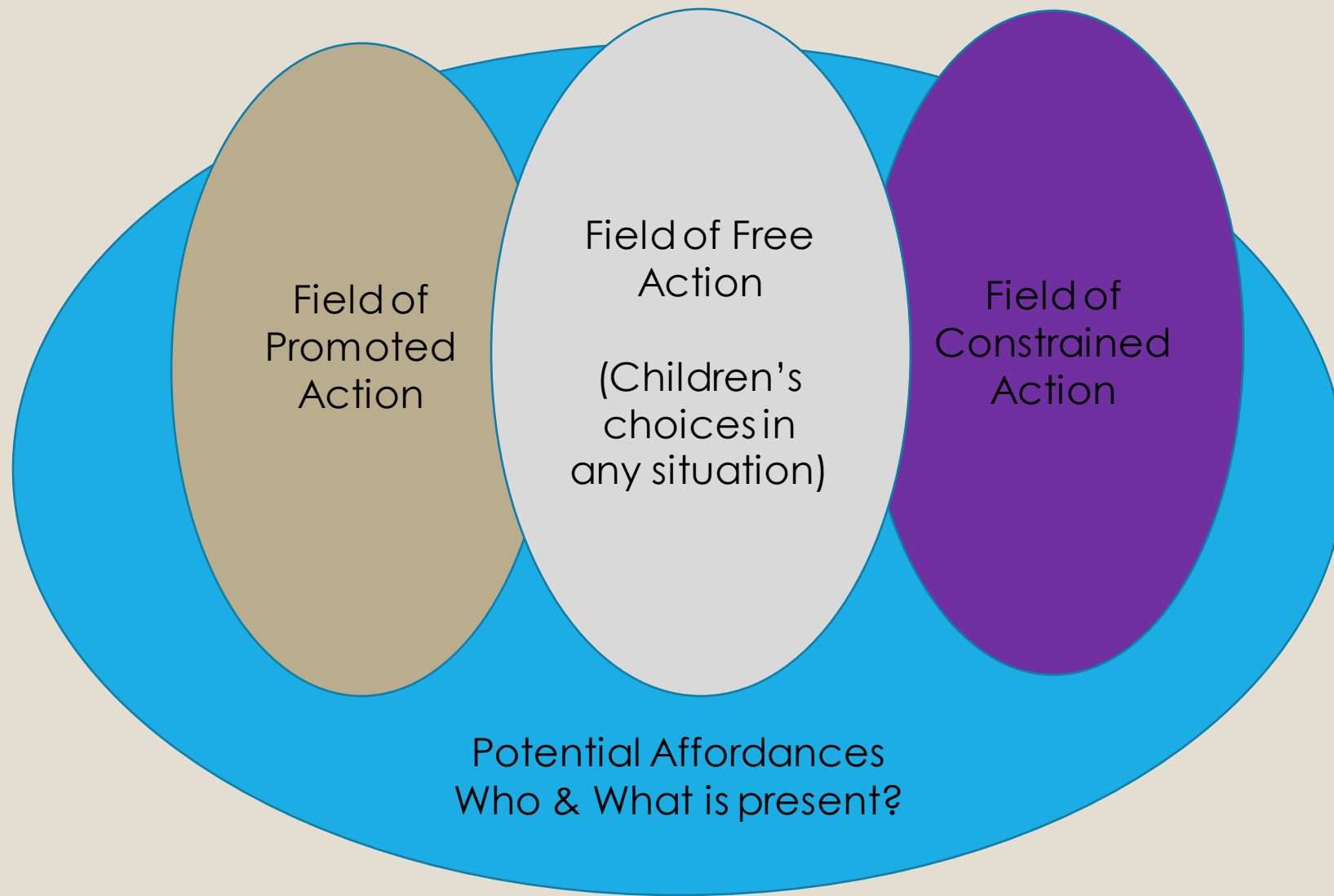
Kytta : Affordances of Children's Environments 2002



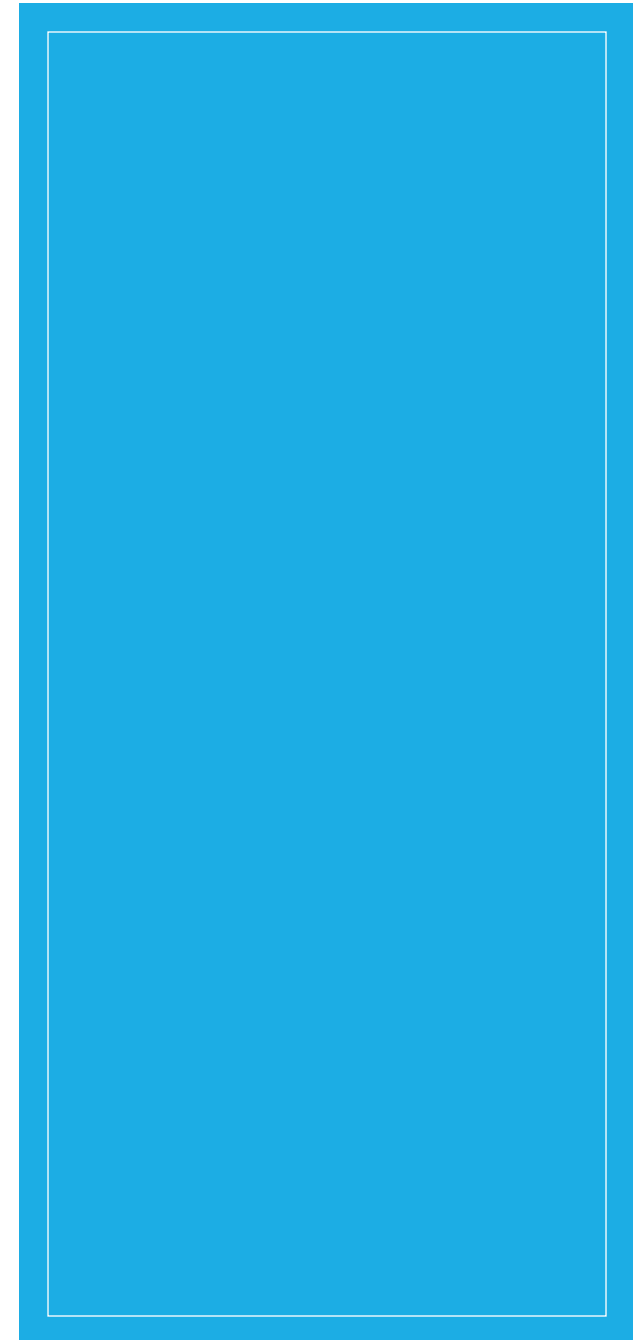
Theory of Affordances



Affordance Theory in Outdoor Play - Chapter by Jane Waters



(Kytta, 2004, p.182) as cited in Waters (2017, p.47)



- Kytta's (2004) study of affordances of children's environments found that a rural natural environment provided a superior amount of affordances, something that Fjortoft and Sageie (2000) and Fjortoft (2000, 2001, 2004) have noted.
- Kytta (2004) suggests children's ability to perceive affordances develops as they grow and learn new physical skills. When a child learns to walk, a new field of affordances opens up and they are able to perceive new features of the environment and intuitively use them for physically active play (Stroli and Hagen, 2010)

Fjortoft (2000) explored the learning effects from playing in a natural environment on motor development. Grahn *et al.*, (1997, cited in Fjortoft, 2000 and Mygind, 2007) found that children playing in an outdoor environment which included natural environments had better physical fitness, motor skills and coordination, concentration abilities and less absence due to illness than children in an urban environment.

Enabling Environments & Affordances

Re-visit mind map looking at aspects of enabling environment.

What type of materials?
Placing – area & space?

Considering the theory of affordances
how does the outdoors make a unique
contribution to physical literacy?

What type of physical activities are possible?

- Affordance theory states that the world is perceived not only in terms of object shapes and spatial relationships but also in terms of object possibilities for action (affordances) — perception drives action. (Gibson, 1904-1979)
- We need to ensure that children are given the opportunities to experience a wide variety of affordances from early childhood to ensure good motor development.



- Fjortoft (2004) maintains that the diversity of affordances in the natural environment encourages a wide range of physical actions and in so doing develops motor competency
- She highlights the importance of the environmental complexity and diversity in nature as an important influence on physically active play (Fjortoft, 2000, 2004).
- The above therefore aids to develop physical competence ...which is an attribute of physical literacy



Oes gyda ni mwy o ddealltwriaeth am ddylanwad cadarnhaol posib o ddysgu yn yr awyr agored ar ddatblygiad llythrennedd corfforol plentyn?

Do we have a better understanding of the possible impact of learning outdoor may have on a child's physical literacy?

Task : write a summary of what you know and understand about :

(i)Physical literacy – what does this look like for young children?

(ii)Outdoor natural scope of affordances available – how does this support young children's Physical Literacy journey?

Reference List

Donaldson, G (2015) *Successful Futures*. Welsh Government: Cardiff.

Claxton, G. & Lucas, B. (2009) *School as a Foundation for Lifelong Learning*. Leicester:National Institute of Adult Continuing Education.

Pound, Linda (2014) *How Children Learn*. Practical Preschool Publishing. UK

WAG (2008)*Play and Active Learning*, Cardiff: DCELLS

WAG (2008)*Learning and Teaching Pedagogy*, Cardiff: DCELLS

Welsh Government (2015) *Well-being of Future Generation (Wales) Act*. Available at:

www.wales.gov.uk/docs/drah/publications/120221foundationtoolkitcy.pdf (Accessed 20/10/2022)

School Visit / Ymweliad Ysgol

8.45am – 12.15pm. Meet at SU

- Friday 17th November, 2023

IF Storm – we will be down at Cynefin from 1 – 3pm

- Dydd Gwener 17fed Tachwedd 2023

Fundamental Movement Skills

What should the physical look like? 3-19 - Use the NHS guidelines to aid discussion

- <https://www.nhs.uk/live-well/exercise/physical-activity-guidelines-children-and-young-people/>

Video re the importance of physical development & physical literacy.

- <https://www.youtube.com/watch?v=yaF0CaNuUlc>

Fundamental Movement Skills

Categories of FMS

Fundamental movement skills categories include:

1. **Balance skills** - Movements where the body remains in place, but moves around its horizontal and vertical axes.
2. **Locomotor skills** - such as running, jumping, hopping, and galloping.
3. **Ball skills** - such as catching, throwing, kicking, underarm roll and striking.

- <https://www.health.act.gov.au/about-our-health-system/healthy-living/kids-play-active-play/early-childhood-educators/fundamental>

Body management actions

Locomotor / Symud

Manipulative actions /
Gweithrediadau llawdrin

Symud Sylfaenol / Basic Movement

- Defnydd o ofod
- Symudiadau corfforol
- Gweithgareddau gyda offer
- Cydsymud llaw-llygad
- Sgiliau llawdrin manwl
- Sgiliau llawdrin bras / mawr
- Use of space
- Use of body
- Activities with small apparatus
- Hand-eye coordination
- Fine manipulative skills
- Gross manipulative skills

Cynnwys Arsylwi Ymarferol

Content of Practical Observation

- Cydbwysedd
 - Hop
 - Neidio
 - Taflu
 - Dal
 - Cic
 - Dringo
- Balance
 - Hop
 - Jump
 - Throw
 - Catch
 - Kick
 - Climb

