

# Toolkit: Schematic Development and the Curriculum for Funded Non-maintained Nursery Settings

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### Introduction

#### Using the Toolkit:

This tool is designed as a starting point for recognising and supporting children's schemas in the the <u>curriculum for funded non-</u><u>maintained nursery settings</u>.

It is not a definitive list of all the types of schemas children may demonstrate but the examples included in this toolkit are the most observed schemas in practice.

The included observation sheet is provided to facilitate planning for schemas but can be adapted for your use. There are several video clips available on social media for action based dynamic schemas if you want to view schemas in action.

Please use this toolkit as a working document to add in your own ideas for resources, vocabulary and learning opportunities to support children's schemas.

There are links made between schemas and the <u>curriculum for funded non-maintained nursery settings</u>.

These are intended as a guide, but every setting is different, and we are sure you will discover other curriculum links and ways forward to support the children's schemas in your settings. We hope you find this guide useful and worthwhile.

**Best Wishes** 

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### A Curriculum for Funded Non-maintained Nursery Settings: Five Developmental Pathways

This curriculum recognises and celebrates the individuality of each child and what they bring to the learning experience. This early period of learning should be unhurried, allowing time, space and freedom for the developing child to consolidate their learning with opportunities to return, revisit, and refine their emerging knowledge and skills.

This cyclical approach is essential for progression through the learning journey.

Central to this curriculum are five key developmental pathways that are fundamental to the learning and development of all young children. These developmental pathways are child-centred and are interdependent, having equal value in supporting overall development and progress.

They have been developed to ensure children can be supported to make progress at their own pace and in their preferred learning environment.

The five developmental pathways are:

- belonging
- communication
- exploration
- physical development
- well-being

Taking a holistic approach to teaching and learning will ensure that children have opportunities to develop skills within and across the developmental pathways. We should ensure that we provide ample time and opportunity for the successful mastery of skills, with long periods of uninterrupted play during which children can become absorbed in their learning.

It is usual for children to make faster or slower progress along some developmental pathways, dependent upon the quality of interactions, experiences and their individual developmental journeys up to the point of entry into the setting. It is therefore our responsibility to provide developmentally appropriate practice, within nurturing relationships, which meets the needs of all children.

Each of the five developmental pathways contains:

 a clear rationale that captures the essence of what children need to develop at

their own pace and in a way that is appropriate to them

• statements that begin with and expand on the following:

'I need to ... ' 'I am learning to ... ' 'My ... is enhanced by ... '

(WG, 2022. Pp.24-26)

### Format of the Toolkit

In the following pages of this toolkit, the above statements are aligned with the different developmental pathways providing you with examples of how they can be linked to the different schema types. You will find them on the pages called 'Examples of Schemas linked to the Five Developmental Pathways'.

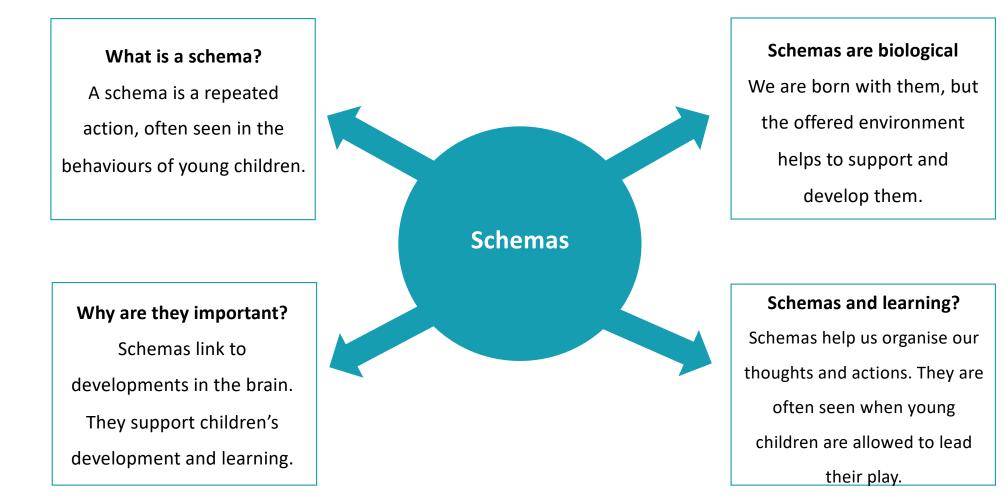
Each schema type also has a page that provides you with ideas of how to nurture that specific schema through your provision of the curriculum for funded non-maintained nursery settings, and it offers suggestions on each the following themes that can help with your planning:

- Definition of the schema
- Examples of how the schema may manifest
- Resources that can be useful
- Vocabulary that links with the schema type
- Activities
- Learning opportunities

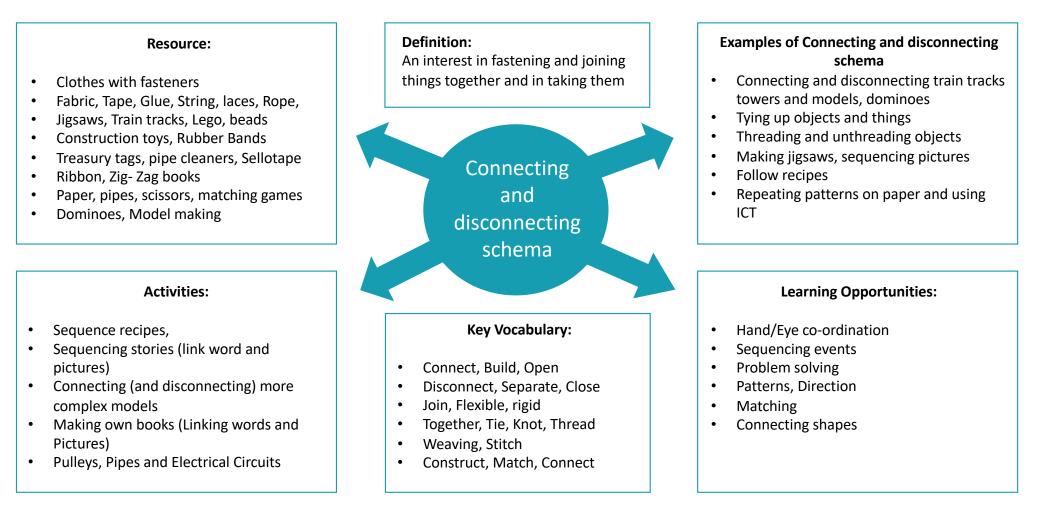
#### **Referenced and adapted from:**

- Stella Louis (2011) Again, Again. London: AC black
- Karen Constable (2013) Planning for Schematic Learning in the Early Years. Oxon: Routledge
- Sarah Neville (2009) Schemas. Available at: www.knutsfordchildminding.co.uk
- Welsh Government (2022) Curriculum for funded non-maintained nursery settings. Cardiff. WG

#### Schemas



### Schemas in the curriculum for non-maintained nursery settings: Connecting and disconnecting schema



### Connecting and disconnecting schemas linked to the Five Developmental Pathways

## Wellbeing (p. 34) <u>A curriculum for funded non-maintained nursery settings</u> • I need to follow my own interests • I need to feel valued • I am learning to interact with others • My well-being is enhanced by adults who respect and value my play

Using their Connecting and disconnecting schema

#### Physical Development (p. 33)

A curriculum for funded non-maintained nursery settings

- I need to develop fine motor skills in real life experiences
- I am learning to co-ordinate my movements
- My physical development is enhanced by opportunities to explore in my physical movements, concepts, size, shape, pattern, rhythm and position

#### Communication (p. 29) A curriculum for funded non-maintained nursery settings

- I need to have time to think and process
- I am learning to notice and explore visual, auditory and physical patterns in my environment through my play
- My communication is enhanced by adults who give me time to process and respond

#### Belonging (p. 28)

A curriculum for funded non-maintained nursery settings

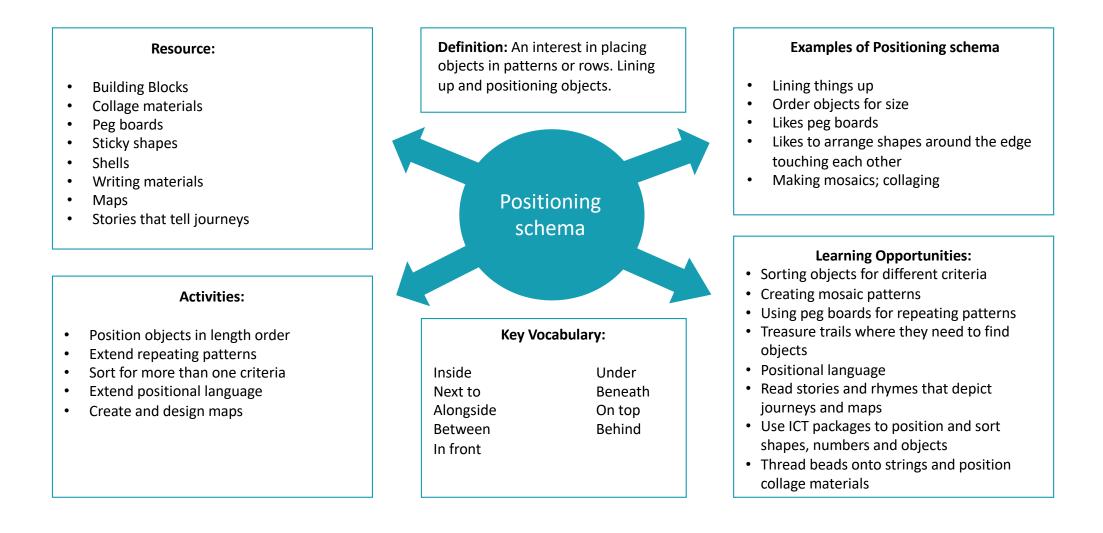
- I need to make connections with people places and things
- I am learning to recognise similarities and differences
- My sense of belonging is enhanced by adults who respond to my likes and dislikes

#### Exploration (p. 31)

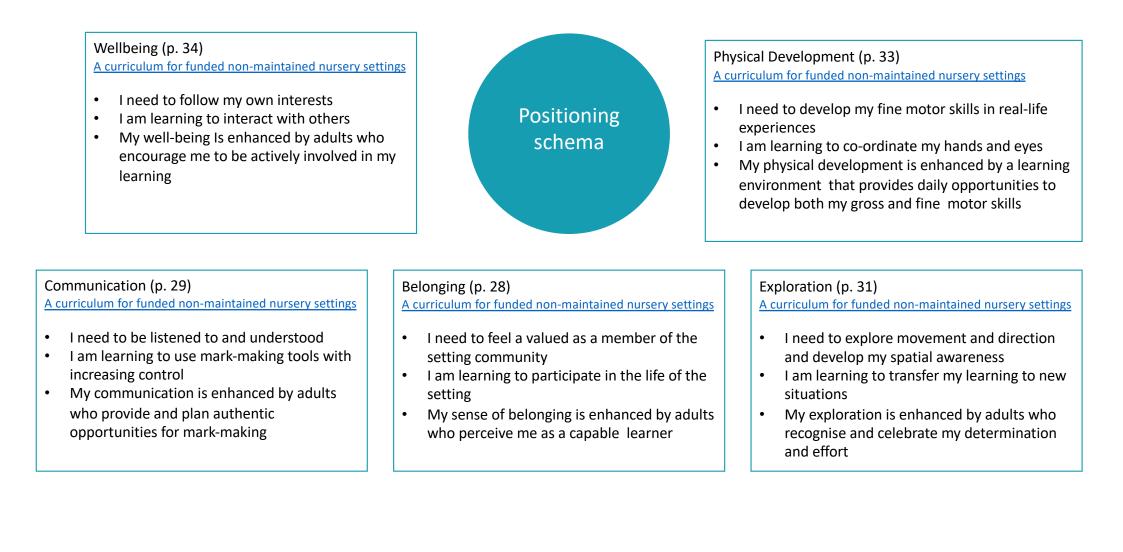
A curriculum for funded non-maintained nursery settings

- I need to explore movement, direction and develop spatial awareness
- I need to develop my imagination in a variety of ways
- I am learning to develop my understanding of how things work.
- My exploration is enhanced by adults who enrich the environment with open- ended resources that enliven my curiosity

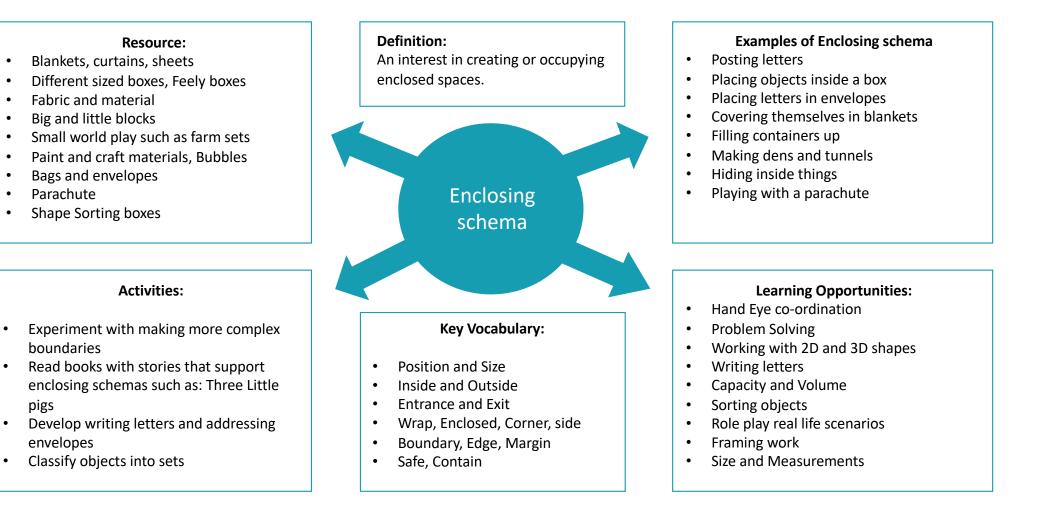
#### Schemas in the curriculum for non-maintained nursery settings: Positioning schema



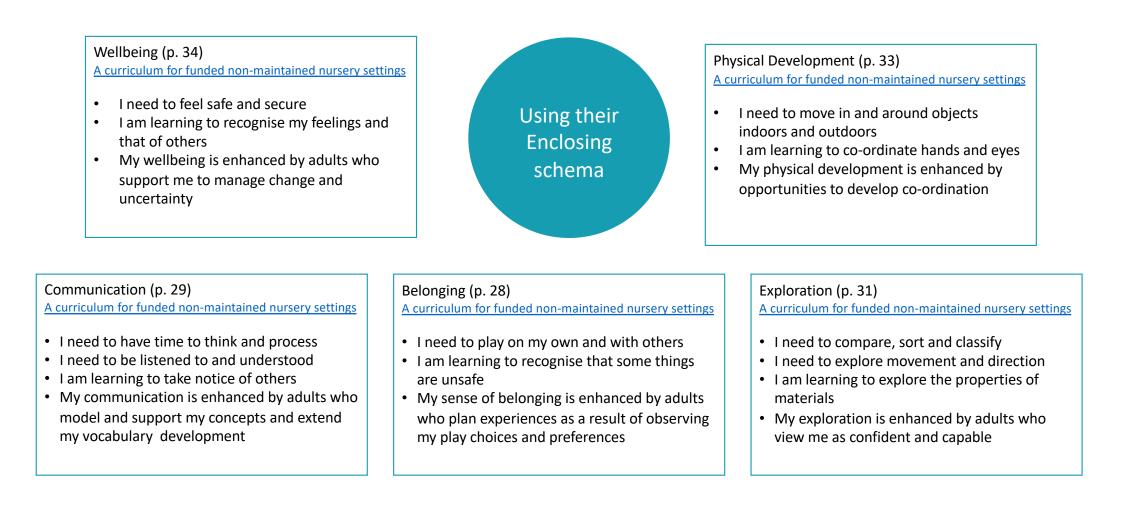
### Positioning Schemas linked to the Five Developmental Pathways



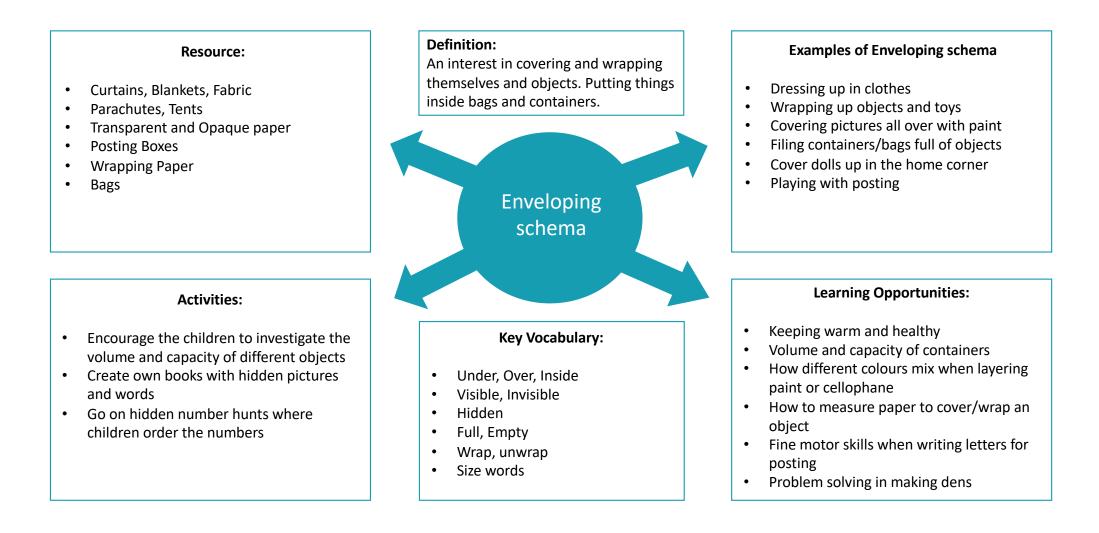
#### Schemas in the curriculum for non-maintained nursery settings: Enclosing schema



### Enclosing Schemas linked to the Five Developmental Pathways



#### Schemas in the curriculum for non-maintained nursery settings: Enveloping schema



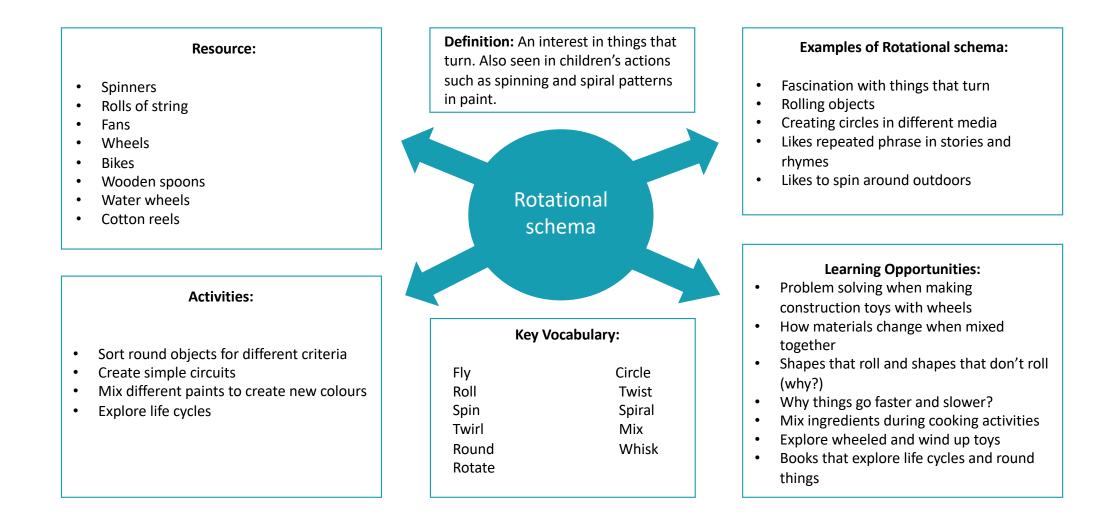
### Enveloping Schemas linked to the Five Developmental Pathways



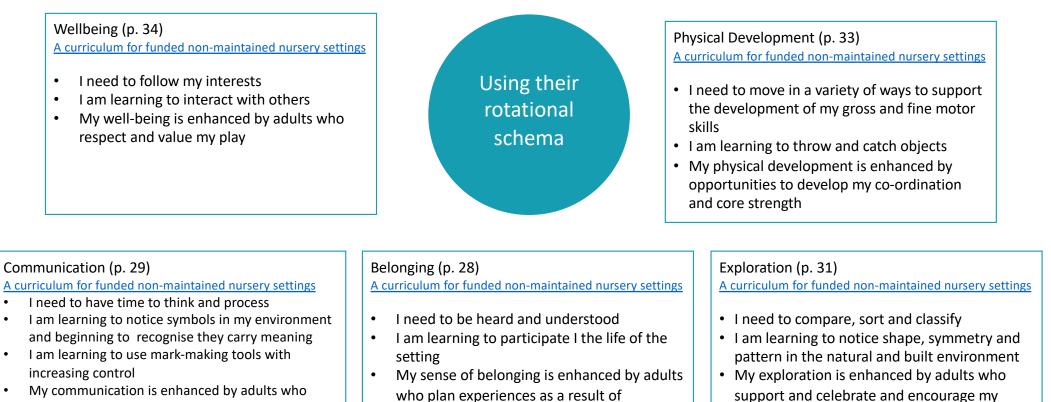
- I need to be listened to and understood
- I am learning express my needs, thoughts, feelings, ideas and opinions
- My communication is enhanced by adults who support and respond sensitively to my verbal and non-verbal communication
- with others)
- I am learning to participate in the life of the setting
- My sense of belonging is enhanced by adults who respond to my interests, likes and dislikes

that interest me My exploration is enhanced by adults who ٠ observe, notice and use my fascinations to deepen learning

#### Schemas in the curriculum for non-maintained nursery settings: Rotational schema



### Rotational Schemas linked to the Five Developmental Pathways



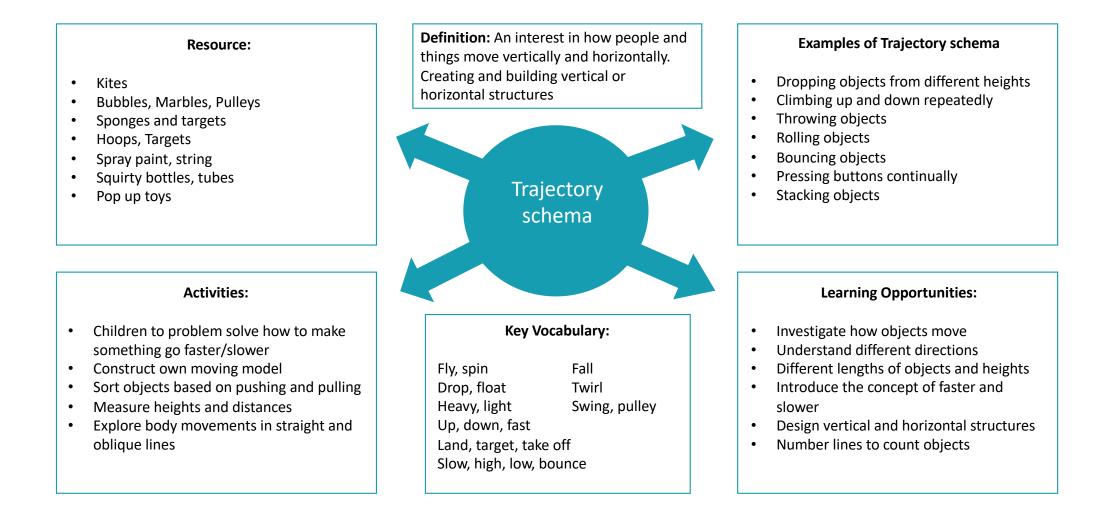
observation of my play choices and

preferences

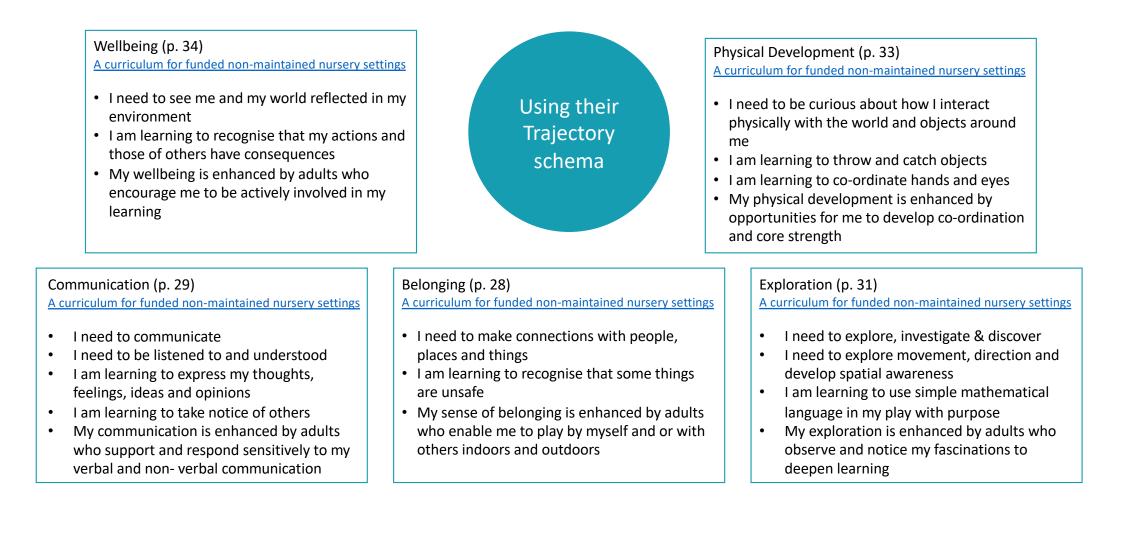
curiosity

 My communication is enhanced by adults who create environments that give me opportunities to express myself physically, creatively and imaginatively

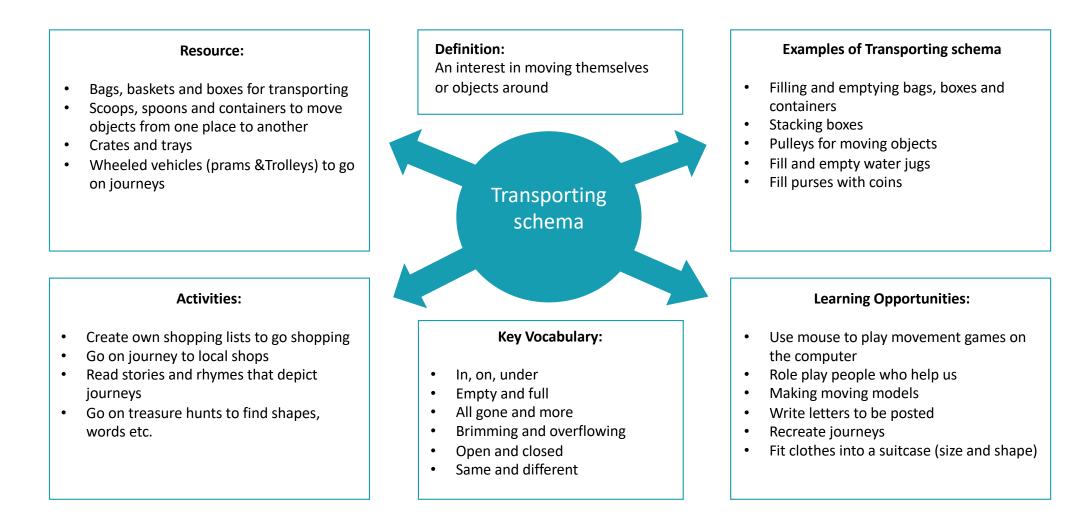
#### Schemas in the curriculum for non-maintained nursery settings: Trajectory schema



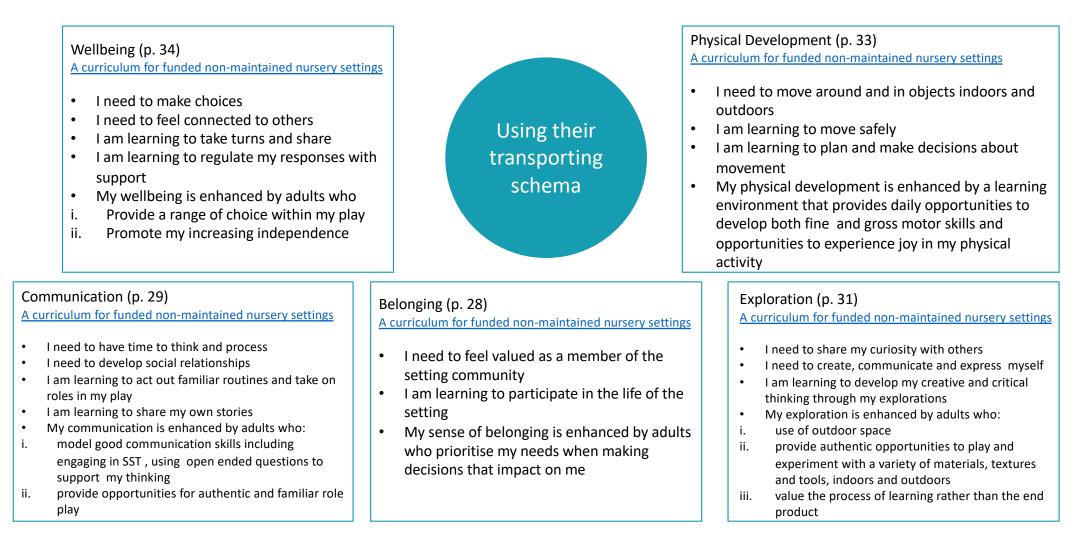
### Trajectory Schemas linked to the Five Developmental Pathways



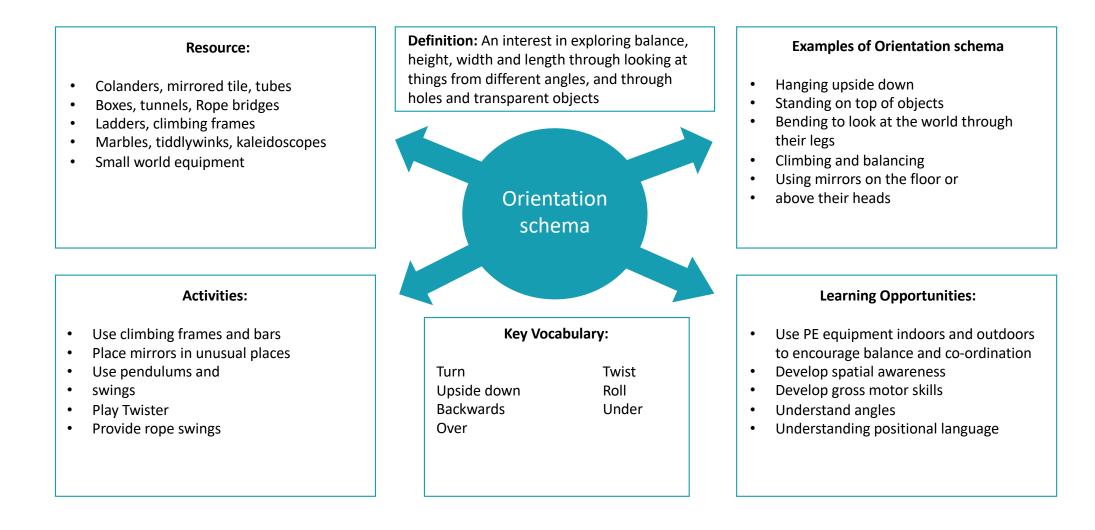
#### Schemas in the curriculum for non-maintained nursery settings: Transporting schema



### Transporting Schemas linked to the Five Developmental Pathways



#### Schemas in the curriculum for non-maintained nursery settings: Orientation schema



### Orientation Schemas linked to the Five Developmental Pathways

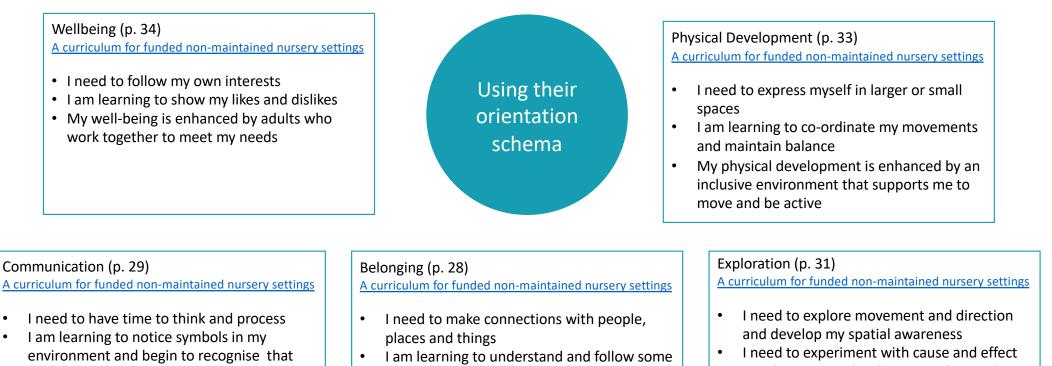
they carry meaning

thinking

My communication is enhanced adults who

balanced with comments to support my

make effective use of open- ended questions,



My sense of belonging is enhanced by adults

who model a joyful and curious approach to

rules and boundaries

learning

- I am learning to develop my understanding of how things work
- My exploration is enhanced by adults who provide authentic opportunities to play and experiment with a variety of materials, textures and tools, indoors and outdoors

#### **Observation Cycle**

# I am noticing: Hanging upside-down Looking through transparent objects Crawling under things Standing on objects Climbing everything

Response (What will I do ?) :

Provide mirrors, tunnels, tubes, ropes and ladders Offer opportunities for playing on large scale equipment, games like Twister, magnifying glasses to look through Read stories that support views from different angles e.g. Jack and the Beanstalk

#### Analyse :

The child is interested in exploring balance and height; looking at things from different angles and through holes and transparent <u>objects</u> = orientation schema

- Observations help us to be more informed about children's <u>fascinations</u> and thus allows us to understand what and how they learn best.
- Making the most of the fascinations can extend learning and helps us to understand their schematic development.
- Observing children throughout the day can help us see different aspects
  of their play and we should ensure that we record our observations in a
  manageable way. Observations are catalyst for our planning of the
  experiences and environment we provide to enable learning.
- This observation cycle is an example of how using the observation cycle can help to identify schematic patterns and thus help to inform future planning.
- This example illustrates an Orientation Schema. These suggestions are included on the previous page where examples of orientation schemas are explained. This model can be applied to each schema contained in this toolkit to help you plan from the observations you make.

**Observation record template** (Optional template that can be used for making notes on what you observe)

Name:	Date:
Identified Schema:	
Developmental Pathway:	
Learning Opportunities to support schema (refer to toolkit for ideas):	
Supporting Schematic Vocabulary and Resources (Taken from toolkit):	
Next Steps Forward (Taken from toolkit):	

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