

**Data analysis:**

<b><u>Question:</u></b>	<b><u>Codes:</u></b>	<b><u>Topic:</u></b>	<b><u>Categories:</u></b>	<b><u>Themes:</u></b>
<b>1. What do you understand under the concept construction play?</b>	ST1: Building ST1: Cognitive play ST1: Language play ST1: Fine motor ST1: Emotional ST2: Imagination ST2: Objects ST2: Build ST2: Create ST3: Playing with blocks ST3: Building ST3: Express feelings ST4: Build ST4: Creativity ST5: Constructing ST6: Sosial skills ST6: Imagination ST6: Language development ST6: Think out of the box ST6: Fine motor	<ul style="list-style-type: none"> <li>• Building and creating</li> <li>• Developmental properties</li> <li>• Emotional development</li> <li>• Creativity</li> </ul>	Developmental aspects	
<b>2. Where does construction play usually take place?</b>	ST1: Indoors ST2: Outside – Boxes ST2: Indoors – LEGO	<ul style="list-style-type: none"> <li>• Indoors</li> <li>• Outside</li> </ul>	Location	

	ST3: Indoors – Blocks ST3: Outside – Sandpit ST4: Outside ST5: Outside ST6: Outside ST6: Indoors – LEGO			
3. How often do the children in your class engage in construction play indoors?	ST1: Every day ST1: 30 Minutes ST2: Every day ST3: Daily ST3: 20 Minutes ST4: Every Friday ST4: 20 Minutes ST5: Daily ST6: Daily ST6: 1 Hour	<ul style="list-style-type: none"> <li>• Every day</li> <li>• Once a week</li> </ul>	Time allocation	
4. How often do the children in your class engage in construction play outdoors?	ST1: 2/3 times a term ST2: 1 a quarter ST3: 1 a week ST4: Every day ST4: 1 Hour ST5: Daily ST6: Daily ST6: 1 Hour	<ul style="list-style-type: none"> <li>• Quarterly</li> <li>• Weekly</li> <li>• Daily</li> </ul>	Time allocation	
5. Which materials do you frequently use for	ST1: LEGO ST1: Big blocks ST1: DUPLO ST1: Motorised equipment	<ul style="list-style-type: none"> <li>• LEGO</li> <li>• Motorised equipment</li> <li>• Wooden blocks</li> </ul>	Resources and supplies	

<p><b>construction play?</b></p>	<p>ST2: LEGO ST2: Wooden blocks ST2: Forms &amp; Shapes ST3: Wooden blocks ST3: LEGO ST4: Boxes ST4: Wooden blocks ST4: LEGO ST5: LEGO ST5: Wooden blocks ST6: Wooden blocks ST6: LEGO</p>	<ul style="list-style-type: none"> <li>Boxes</li> </ul>		
<p><b>6. How do the available construction materials for the indoor and outdoor constructions differ?</b></p>	<p>ST1: Waist material ST1: Recyclable material ST2: Bigger materials ST2: Wooden blocks ST2: Wooden sticks ST3: No outdoor equipment ST4: Wooden blocks ST4: LEGO</p>	<ul style="list-style-type: none"> <li>Recyclable material</li> <li>Bigger materials</li> <li>Wooden blocks</li> <li>No equipment</li> <li>LEGO</li> <li>Boxes</li> </ul>	<p>Outdoor equipment</p>	

	ST4: Boxes ST5: LEGO ST5: Wooden blocks ST5: Sandpit ST6: Wooden blocks			
<b>7. What requirements do you value as important in a construction play environment?</b>	ST1: Space ST1: Small number ST1: Mix of materials ST2: Enough objects ST2: Not limited ST3: Enough options ST3: Variety ST3: Different shapes & colours ST4: Group play ST4: Socialising ST4: Creativity ST5: Safety ST5: Small world things ST5: Sticks & stones ST5: Natural elements ST6: Stable and level	<ul style="list-style-type: none"> <li>• Space</li> <li>• Materials</li> <li>• No limitations</li> <li>• Variety</li> <li>• Socialising</li> <li>• Natural elements</li> </ul>	Play necessities	

	ST6: Enough space			
8. How much time do you think the children should play with construction materials during a normal school day?	ST1: 1 Hour ST2: 1 Hour & 30 Minutes ST3: 20 Minutes ST4: 1 Hour ST5: 1 Hour mornings ST5: 1 Hour afternoon ST6: 1 Hour	<ul style="list-style-type: none"> <li>• 20 Minutes</li> <li>• 1 Hour</li> <li>• 1 Hour &amp; 30 Minutes</li> <li>• 2 Hours</li> </ul>	Time allocated	
9. What do you think are the benefits of construction play?	ST1: Motor play ST1: Imaginative play ST1: Cognitive development ST1: Group work ST1: Sharing ST2: Problem-solving ST3: Themes with construction play ST3: Assess concepts ST3: Mathematical concepts ST4: Open-ended ST4: Not structured ST5: Mathematical benefits	<ul style="list-style-type: none"> <li>• Motor development</li> <li>• Imagination development</li> <li>• Cognitive development</li> <li>• Problem-solving</li> <li>• Open-ended</li> <li>• Language development</li> </ul>	Developmental properties	

	ST5: Balance ST5: Geometry ST5: Spatial awareness ST5: Emotional ST5: Language development ST5: Creativity ST5: Positional language ST6: Language development ST6: Think out of the box ST6: Imagination ST6: Sensory & fine motor ST6: Group work ST6: Self-control			
<b>10. In your opinion what are the disadvantages of construction play?</b>	ST1: Nothing ST2: Amount of space ST2: Enough resources ST2: Children fighting ST3: Getting hurt ST4: Build your way ST5: Playing more with plastic ST5: No interest in other toys	<ul style="list-style-type: none"> <li>• None</li> <li>• Space</li> <li>• Resources</li> <li>• Injures</li> <li>• Playing with plastic</li> </ul>	Construction play drawbacks	

	ST6: Argue ST6: Get knocked down ST6: LEGO in mouths			
<b>11. How do you think you can address the disadvantages of construction play?</b>	ST1: Nothing ST2: Move outside ST2: Smaller groups ST3: Safe area ST4: Listening skills ST5: Class rules ST5: Rotate ST6: More prepared ST6: Enough space ST6: Supervision	<ul style="list-style-type: none"> <li>Groups</li> <li>Location</li> <li>Class rules</li> <li>Supervision</li> </ul>	Addressing drawbacks	
<b>12. Do you use construction play to enhance problem solving skills in young children?</b>	ST1: Yes ST1: Construct a play area ST1: Build a house ST2: Yes ST2: What can you build ST3: Yes ST3: Assessment ST3: Group things ST3: Identify shapes ST3: Build a house ST4: Yes	<ul style="list-style-type: none"> <li>Build &amp; construct</li> <li>Group &amp; Identify</li> <li>Recognition</li> <li>Balancing objects</li> </ul>	Construction play to enhance	

	ST4: How to finish a construction ST5: Yes ST5: Building ST5: Balancing objects ST5: Adding & subtracting ST5: Shapes ST6: Yes ST6: Shape recognition			
13. Do both the boys and girls equally make use of the construction materials?	ST1: Both ST2: Boys ST3: Both ST4: Both ST5: Both ST6: Both	<ul style="list-style-type: none"> <li>Both</li> <li>Boys</li> <li>Girls</li> </ul>	Play participation	
14. How do you think construction play benefits a child's problem-solving abilities?	ST1: Scientific view ST1: Stop construction falling over ST1: Balance ST2: Brain development ST2: Planning ST3: Think ahead ST4: See what they need to build/change ST5: Understand it visually	<ul style="list-style-type: none"> <li>Scientific view</li> <li>Developmental properties</li> <li>Planning</li> <li>Visual interpretation</li> </ul>	Developmental properties	



	ST5: Hands on learning ST6: Express emotions ST6: Learning new concepts ST6: Communication abilities			
<b>15. When your class is engaged in construction play, do they make use of any toys or materials and if so, what are those?</b>	ST1: Families ST1: Dinosaurs ST1: Small toys ST2: Toy animals ST2: Toy cars ST3: Educational toys ST3: Toy cars ST4: Toy cars ST4: Toy people ST4: Boxes ST4: Glue ST4: Lids ST5: Toy animals ST5: Toy cars ST5: Dinosaurs ST5: Loose materials ST5: Boxes ST6: Boxes ST6: Toy animals ST6: Toy cars	<ul style="list-style-type: none"> <li>• Plastic toys</li> <li>• Loose ends</li> <li>• Educational toys</li> </ul>	Resources and supplies	
<b>16. Percentage wise how much</b>	ST1: 60% ST2: 80%	<ul style="list-style-type: none"> <li>• Minimal</li> <li>• Medium</li> </ul>	Time allocated	

time do the children prefer to play with construction materials compared to other toys?	ST3: 70% ST4: 40% ST5: 70% ST6: 70%	<ul style="list-style-type: none"> <li>Maximum</li> </ul>		
17. What type of constructions do the children build when they engage in construction play?	ST1: Houses ST1: Helicopters ST1: Imagination ST1: Superheroes ST1: TV ST2: Paths ST2: Towers ST2: 3D Shapes ST3: Buildings ST3: Stacking ST3: Castles ST3: Roads ST4: Guns ST4: Cars ST4: Houses ST5: Towers ST5: Houses & enclosures ST5: Roads ST5: Gardens ST6: Houses ST6: Enclosures ST6: Roads	<ul style="list-style-type: none"> <li>Structures</li> <li>Enclosures</li> <li>Imagination</li> </ul>	Structural development	
18. Does it sometimes	ST1: Broken down	<ul style="list-style-type: none"> <li>Pack away</li> </ul>	Time allocated	

<p>happen that these constructions are being built over the course of a few days?</p>	<p>ST2: Pack up every day</p> <p>ST2: Before COVID = Keep</p> <p>ST3: Break it down</p> <p>ST4: Tidy up</p> <p>ST5: Not at the moment</p> <p>ST5: Before COVID = Keep</p> <p>ST6: Broken down</p> <p>ST6: LEGO = Year project</p>	<ul style="list-style-type: none"> <li>Before COVID</li> </ul>		
<p>19. Do the children engage in group construction play activities or do they prefer to build their own constructions?</p>	<p>ST1: Group</p> <p>ST2: Depends on personality</p> <p>ST3: Both</p> <p>ST3: Mostly alone</p> <p>ST4: Group</p> <p>ST5: Parallel play</p> <p>ST6: Group</p> <p>ST6: LEGO = Alone</p>	<ul style="list-style-type: none"> <li>Both</li> <li>Group</li> <li>Individual</li> </ul>	<p>Sosial capacity</p>	

S1 = School 1

ST1 = School teacher 1