# Planning and Design for Play in the Built Environment

Play AUSTRALIA

**Advisory Note** 

#### <u>Purpose</u>

This Advisory Note outlines the importance of play and provides principles and guidance to encourage built environment professionals to integrate opportunities for play throughout the built environment. It is intended to align with international convention commitments and goals endorsed by the Australian Government<sup>1,2</sup>, Environmental Planning Policy, and other placebased design guidance.

It is acknowledged that well-designed built environments contribute to our health and well-being. We ask planners and designers to adopt a principles-based approach to guide the design of developments of all scales. These principles place emphasis on supporting community engagement in the design and development process; creating places that are inclusive, where we feel a sense of belonging, that are engaging, where we can thrive and where our wellbeing is supported.

The NSW Environmental Planning and Assessment Act 1979 aims to "provide increased opportunity for community participation in environmental planning and assessment"<sup>3</sup>. Approximately 25% per cent of our community is comprised of children and young people aged 18 and under. Implementation of the principles and guidance in this advisory note aims to ensure:

- **1.** Our built environment is inclusive and spatially equitable.
- 2. Children and young people's needs are considered in the design of built environments, including the fulfillment of their right to rest, leisure, play, recreational activities, and cultural life (United Nations Convention on the Rights of the Child (UNCRC) General comment 17, article 31<sup>4</sup>).
- **3**. Children and young people are consulted on policies and planning decisions related to play and recreation. This encompasses urban planning, the development of parks and other local

facilities, and in the design for child friendly communities and environments. This upholds their right to be consulted and included in decisions that impact their lives and that their best interests are a primary consideration (UNCRC General comments 12, 14 and 20<sup>5,6,7</sup>).

**4.** Children and young people's play needs and priorities are equally recognised alongside other built environment considerations.

## Why is play important?

Play is a quintessential activity enjoyed by the young in all species with complex social structures<sup>8</sup>. As such, play is recognised as a biological imperative of children and young people of all ages and capabilities<sup>9</sup>. A play/work dichotomy pervades the wider community, and a common misinterpretation is that work is substantive and play is merely a distraction or frivolity. For the purposes of this document, we characterise play as an intrinsic, creative, freely chosen, child-directed, participatory and an emergent process, where the process itself is most often prioritised over tangible outcomes<sup>10,11,12</sup>.

The benefits of play pervade every aspect of a child's development: social, cultural, emotional, physical, and cognitive. Play is critical to healthy development including supporting increased intellectual achievement<sup>13,14</sup> and capabilities for academic success<sup>15</sup>; increased language and literacy development<sup>16,17</sup>, promotion of social outcomes<sup>15,18</sup>, development of self-knowledge and empathy, and increased ability to follow rules<sup>19</sup>. It is through play that children learn to navigate unexpected events without the consequences of real-world life experiences<sup>12</sup> and it supports children to develop the capacity to navigate the complexity of social structures. There is also evidence that children's play has an impact on social cohesion, with improved family wellbeing and increased social interactions provided through play in the community.<sup>20,21,22,23</sup> Australian studies have reported that in 2017–18,



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1 in 4 (25%) of children aged 5–17 were overweight (16.9%) or obese (8.1%)<sup>24</sup>. Active play offers a significant remedy that aligns with Commonwealth of Australia Department of Health (2019)<sup>25</sup> guidelines to improve activity levels for all ages. Diversity of physical experiences promotes physical literacy which establishes life-long positive predispositions towards physical activity. Physically risky play promotes children's self-directed risk management with health and behavioural benefits<sup>26,27</sup>. Exposure to natural outdoor environments enhances children's mental wellbeing<sup>28,29</sup> and research has identified symptoms of attention deficit disorder can be relieved and concentration enhanced by exposure to natural spaces<sup>30</sup>. Similarly, it has been identified that the amount of playground vegetation positively correlates with the restorative qualities of school grounds for well-being<sup>31</sup>. Multiple studies<sup>32</sup> emphasize early experiences and interaction with nature provide a significant means for cultivating interest in and concern for the environment. In an era of climate change and eco-anxiety, every opportunity for play in cool, natural outdoor settings should be prioritised, particularly in urbanised environments.

In summary, outdoor play facilitates higher levels of activity, and fosters physical and mental dispositions and skills critical for life-long positive health and well-being outcomes, and can contribute to children and young people's sense of belonging and connection to community and natural systems.

# Why engage children in the design and planning process?

When playing outdoors children are visible participants in their local community, but such community-based play has declined over recent decades.

Playspaces/playgrounds can be exclusionary, hard to reach and/or inconvenient for parents and carers. Providing environments where play can

happen freely from the doorstep, to the street, in nature, parks, public spaces and between spaces makes an environment inclusive - from 'door to domain', a network of playable safe routes is our vision. It requires easily accessible spaces where children and young people have the freedom to play and spend time with peers. Easily accessible spaces increases the opportunities for natural surveillance or 'eyes on the street' 33 which further supports play.

Children and young people are competent and able to clearly express their needs, interests and concerns in the planning, and design of their local physical environments. It is an imperative that designers and planners recognise this role and seek to include and understand children's interactions within local contexts and draw on their local knowledge and experience. Seminal works by Moore (1986)<sup>34</sup> and Hart (1997)<sup>35</sup> have promoted children's active democratic participation in all spheres of public life (for example, recommended models of participation<sup>36,37</sup>). They recognised children as empowered citizens with rights to enact decisions around issues that influence them and their communities. Children readily identify local environmental affordances for play, such as a climbing tree, hiding spaces, safe and unsafe public spaces and are the 'play experts' best placed to provide advice on their needs and interests in the urban environment, range of independent mobility and any impinging factors.

### Principles - the CASE for play

There are 4 key principles for consideration when planning and designing the built environment:

#### C: Context and vision

Design which is developed through a process of authentic engagement with children and young people, leverages their wealth of knowledge, respects their specific needs and interests and recognises local community priorities.

#### Questions for reflection

Have the local and targeted demographic of children



and young people been consulted. Do you understand their social, physical, emotional and cultural needs and their aspirations for the place? How do they want to play and what does that place look like for them? Will they feel safe?

#### A: Accessible and inclusive

Children and young people are provided with a range of accessible, multi-purpose play opportunities which invite repeated, shared participation, for all ages, backgrounds and capabilities. Carers are supported by thoughtful well-positioned accessible facilities, such as seating, shade and parking.

#### Questions for reflection

Does your design reflect children's and young people's needs and aspirations? Are there multiple opportunities to play and hang out with peers? Does the play offer provide something for everyone? Are there places for adults to safely supervise from a distance? Are there diverse affordances offered? Is it spatially just and engaging?

### S: Sustainable, social and well-maintained

Children and young people are provided with environments that support play, prioritising cooler, natural spaces within built environments offering shade, playability, health and well-being benefits, a sense of belonging and where they feel welcome.

#### Questions for reflection

Will the environment be well-maintained with council agreements for long term care of the place?

Is there provision and space for physical activity and quiet spaces for relaxation? Is there shade? Is it a space where children, young people and carers will want to linger longer and revisit?

#### E: Empowering

The design invites children and young people to independently explore, discover and adapt the environment creating meaningful play affordances, promoting social interaction and independent mobility.

#### Questions for reflection

Can children play close to home and young people supported to independently go further afield? Is it easy for them to engage with other members of the community? Is there capacity to engage with and manipulate the environment with a range of affordances offered, such as flexible seating, facilities to dance, play music and hang out.

#### Conclusion

By creating environments that support play, we can increase children and young people's sense of wellbeing, belonging, engagement with community and build social cohesion. Design and planning the built environment incorporating the CASE for play supports and enhances the resilience and wellbeing of communities now and in the future.

# CASE FOR PLAY

Context & vision

Understand context and vision for children and young people's play through authentic engagement. A

Accessible & inclusive

Design reflects children and young people's needs and aspirations, providing spatially equitable, engaging places.

S

Sustainable, social & well-maintained

Safe environment where health and well-being is supported and children and young people feel welcome E

Empowering

Thriving community, where children and young people have freedom to play

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