

Shade for Good Health and a Green City
North York Civic Centre
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Challenges for Parks, Forestry & Recreation Division: Providing Shade for Parks, Trails, Sportsfields & Recreation Facilities

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Planning, Design & Development



Introduction

COMPREHENSIVE APPROACH TO SHADE PROVISION:

- Natural Shade
- Constructed Shade
- Programming and Scheduling of Events
- Education and Adoption of a Sun-safe Culture
- Sun is Beneficial



Comprehensive Approach

Critical Shade Areas to Address

HIGH PRIORITY SHADE AREAS OCCUR WHERE:

- Outside activities take place between 10am-3pm
- Participants are children
- Activity at the site occurs for 15 min or more at a time
- Activity at the site is likely to occur in minimal clothing
- Outdoor workers are exposed to UV radiation



Where should shade be focused?

Strategies for Providing Shade

NATURAL SHADE

- Trees are best source of natural shade
- Trees have many other benefits too!
 - Removal of CO₂ from atmosphere
 - Creating cooler environments
 - Greening the City
- **Adequate shade is only achieved when a plant reaches its maturity**



Planning Effective Shade

Strategies for Providing Shade

BUILT SHADE

- Shade cast is more predictable
- Immediate shade results
- Improved UVR blockage
- Weather protection



Strategies for Providing Shade

COMBINATION OF NATURAL SHADE AND BUILT SHADE

- Provide immediate shade
- Aesthetically pleasing
- More precise control of sun exposure
 - Allows for regulating angle of shade
 - Less in summer more in winter



Planning Effective Shade

Strategies for Providing Shade



Dovercourt Park Playground SHADE STUDY 2:00pm June 21 View From NE

Scientific Approach

Challenges



Playgrounds

[Challenges]



Water Play

[Challenges]



Outdoor Pools

Challenges



Sportsfields

Challenges



Spectators

Challenges



Tennis & Basketball
Courts

Challenges



Skateboard Parks

[Challenges]



Stadiums &
Building Facilities

Challenges



Trails & Pathways

[Challenges]



**OTHER
OPPORTUNITIES
FOR SHADE!!!**

Trails & Pathways

Challenges



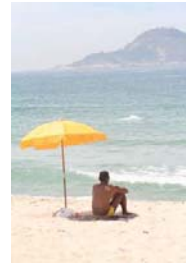
Passive Recreation
In Parks

[Challenges]



Allotment &
Community Gardens

[Challenges]



Beaches



Ahhhh....Shade!