



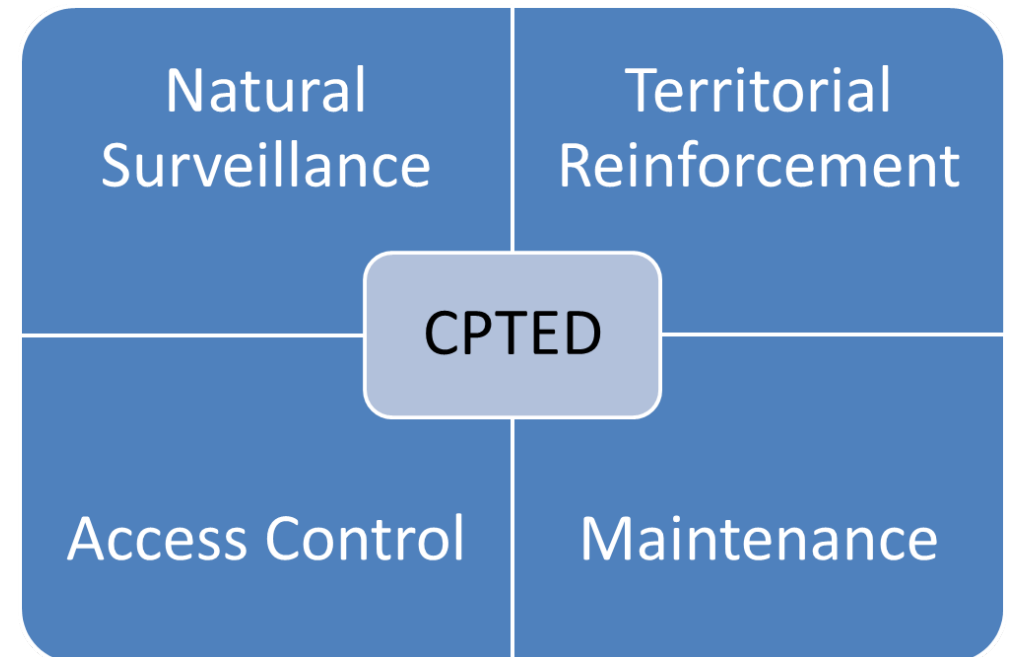
NATIONAL INSTITUTE OF CRIME PREVENTION

Crime Prevention Through Environmental Design For Schools



Crime Prevention Through Environmental Design

1. What is Crime Prevention Through Environmental Design?
2. How to implement CPTED into your school safety and security plan.



Crime Prevention Through Environmental Design

CPTED is defined as “*the proper design and effective use of the built environment that can lead to a reduction in the fear and incidence of crime and an improvement in the quality of life.*”



Design Defined

Includes the *physical design, social management, and law enforcement directives* that seek to affect positively human behavior as people interact with their environment. (school)



Environment Defined

Includes the people and their *physical* and *social* surroundings.
(school)



NICP Social Management

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The real power and effectiveness of a CPTED program lies in the fact that all the parties involved in the process can benefit. This includes the school district, staff, students, the neighborhood, and the public. CPTED is about people and quality of life.



Crime Prevention Through Environmental Design

The goal of CPTED is to reduce opportunities for crime that may be inherent in the design of schools.

This is accomplished through the involvement of CPTED practitioners in the planning, development and design review of all school projects.



Crime Prevention Through Environmental Design

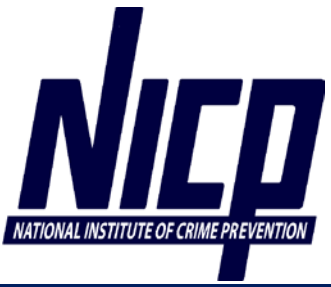
CPTED uses various tools to evaluate environmental conditions and utilize intervention methods to control human / criminal behavior and reduce the fear of crime.



Crime Prevention Through Environmental Design

We understand the arrangement and design of buildings and open spaces can encourage or discourage undesirable behavior and criminal activity.





Crime Prevention Through Environmental Design

School Districts throughout the country are adopting CPTED standards requiring site plan reviews with crime prevention and safety in mind.



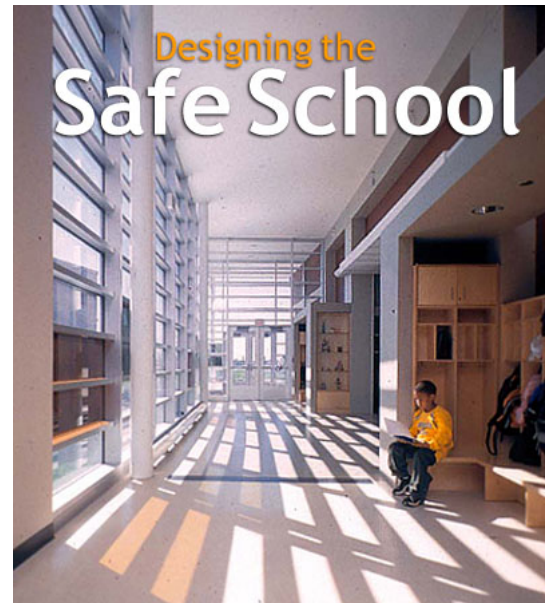


Crime Prevention Through Environmental Design



CPTED DESIGN ELEMENTS

CONTROLLED ENTRY ACCESS
CENTRAL POINT OF CONTROL, DOORS, CARD ACCESS



CPTED DESIGN ELEMENTS

SECURED SITE PERIMETER
FENCING, GATES, LANDSCAPING





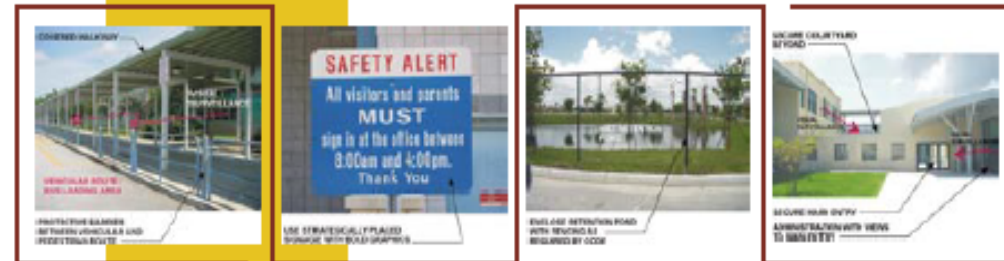
Crime Prevention Through Environmental Design

Crime Prevention Through Environmental Design (CPTED) School Assessment (CSA)



Florida Safe School Design Guidelines

Strategies to Enhance Security and Reduce Vandalism



Florida Department of Education • 2003

Crime Prevention Through Environmental Design

CPTED is a multi-disciplinary approach to deterring criminal behavior. CPTED incorporates principles from:

- Planning
- Architecture
- Landscape Architecture
- Law Enforcement
- Engineers
- Security



Crime Prevention Through Environmental Design

CPTED is based on these key overlapping concepts.

1. Natural surveillance
2. Natural access control
3. Territorial reinforcement
4. Maintenance



Natural Surveillance

Natural Surveillance increases the threat of apprehension by taking steps to increase the perception that people can be seen.



Natural Surveillance

- Improving visibility with lighting or transparent building materials.
- Avoid the creation of building entrapment areas.
- Designing landscapes that allow clear, unobstructed views of surrounding areas.





Poor Natural Surveillance



Poor Natural Surveillance



Poor Natural Surveillance

Natural Surveillance



Natural Access Control

Natural access control means controlling access to a site. People are physically guided through a space by the strategic design of streets, sidewalks, building entrances, and landscaping.

It can be achieved by:



Natural Access Control

- Ensuring that entrances are visible, well lit and overlooked by windows.
- Clearly defining entryways and by controlling other points of access to a site.
- Highlighting main entrance.
- Clearly mark public walkways and paths.
- Comprehensive wayfinding system.



Natural Access Control





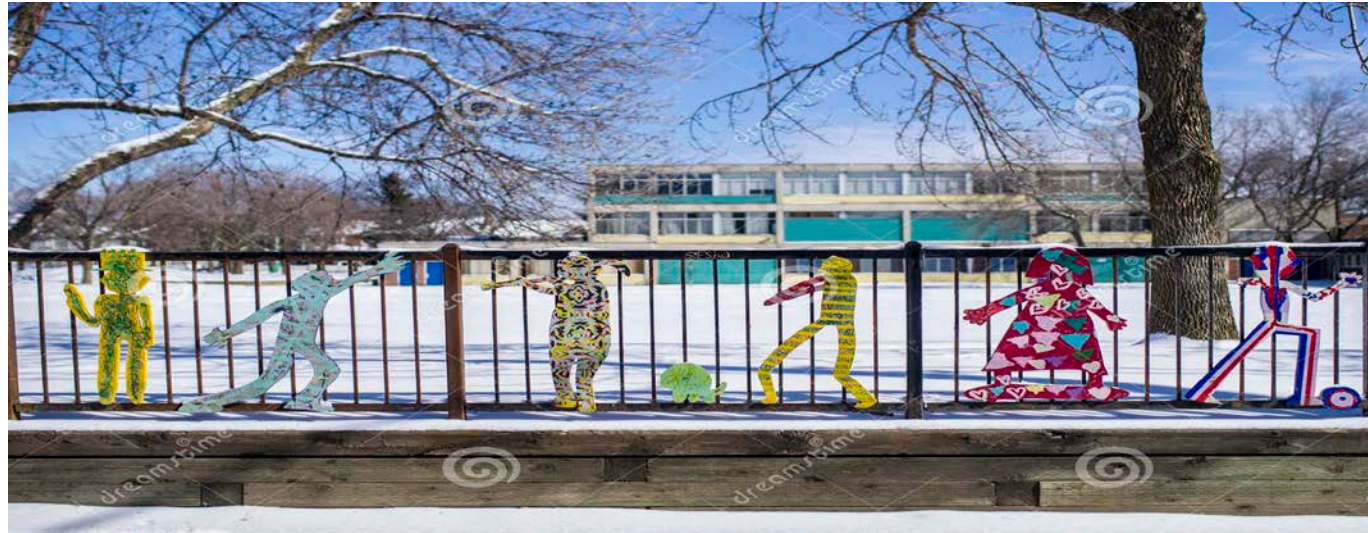
Courtesy KCBA Architects

Natural Access Control



Territorial Reinforcement

Territorial reinforcement is the use of physical attributes that express ownership such as fencing, pavement treatments, signage, and landscaping.



Territorial Reinforcement



Allows for the continued use of a space for its intended purpose. Serves as an additional expression of ownership. Prevents reduction of visibility from landscaping overgrowth and obstructed or inoperative lighting.



SCHOOL MAINTENANCE & CONSTRUCTION



NICP Maintenance

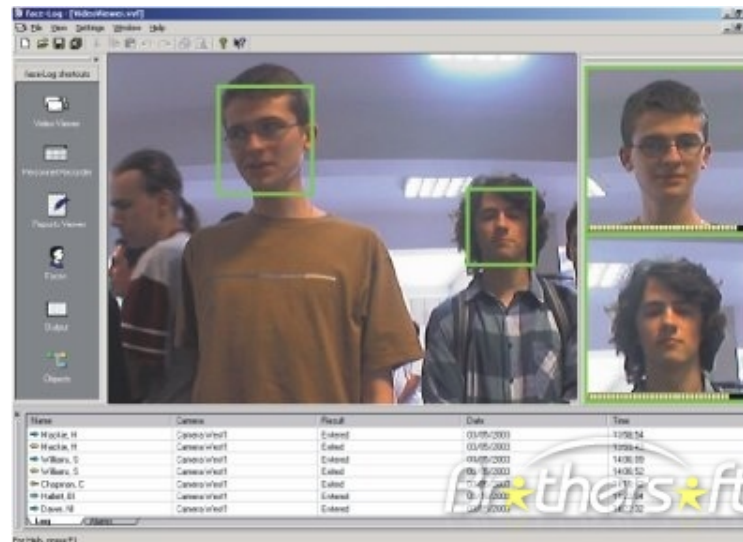
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Target Hardening / Physical Security

- One of the most obvious and prevalent means to prevent crime.
- Tries to make crime targets physically difficult to penetrate.
- Includes locks, reinforced walls, fortified doors, bars, laminated glass.
- Related to urban fortress model.
Makes no attempt to deal with street crime.





School Design

School design impacts the safety and security of a building in many different features including;

- Stairs and ramp design
- Parking lot design and lighting
- Interior and exterior lighting





Stairs and ramp design





Stairs and ramp
design





Parking lot design and lighting



Interior and exterior lighting

- Elevators
- Doors and windows
- Blind spots or ambush points





Panoramic View Elevators



Mirrors





Door & window design





Blind spots or ambush points



- School Restrooms / Comfort Stations
- Building circulation patterns
- Common areas





School Restrooms / Comfort Stations



School Restrooms / Comfort Stations



Building Circulation - Parking Lot







Common areas



CPTED Strategies?

Main Entrance



School Receptionist Office Natural Surveillance?

NICP CPTED Strategies

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School Receptionist Office
Natural Surveillance?



Implementing a CPTED Program

There are six ways to incorporate CPTED into your schools safety and security program:

1. CPTED principles will be incorporated in all school security / safety assessments. These assessments should be conducted every two years.
2. The CPTED assessment will be conducted by person(s) who have received and maintained the Florida CPTED Practitioner Designation (FCP) through the Florida Attorney General's Office or a similar CPTED designation program.

Implementing a CPTED Program

There are six ways to incorporate CPTED into your school safety and security program:

3. All CPTED recommendations will be implemented within a set period of time and maintained.
4. CPTED design guidelines / standards for schools will be established at a State level.

Implementing a CPTED Program

There are six ways to incorporate CPTED into your school safety and security program:

5. On all new construction or major renovations a member of the bidding design team must have earned the Florida CPTED Practitioner Designation or similar CPTED designation in order to bid on school projects.
6. All proposed design changes will be reviewed and approved by the CPTED Design Team. Those team members will have earned and maintained the Florida CPTED Practitioner Designation (FCP) or similar CPTED designation program.



National Institute of Crime Prevention



A Global Training Company
www.CPTEDTraining.net

Florida Crime Prevention Training Institute

www.fcpti.com

Florida Design Out Crime Association

www.fldoca.com

Florida Crime Prevention Association

www.floridacrimeprevention.org