Problem-Solving TOOS



Center for Problem-Oriented Policing

September 12-14, 2024 Baltimore, Maryland



PROBLEM-SOLVING THINKING TOOLS

INTRODUCTION Why Use Thinking Tools?

THINKING TOOL LESSONS

Focus on the few worst

Change environments

Block opportunities

Go beyond the offender

Uncover the crime process

Build comprehensive approaches

WHO WE ARE





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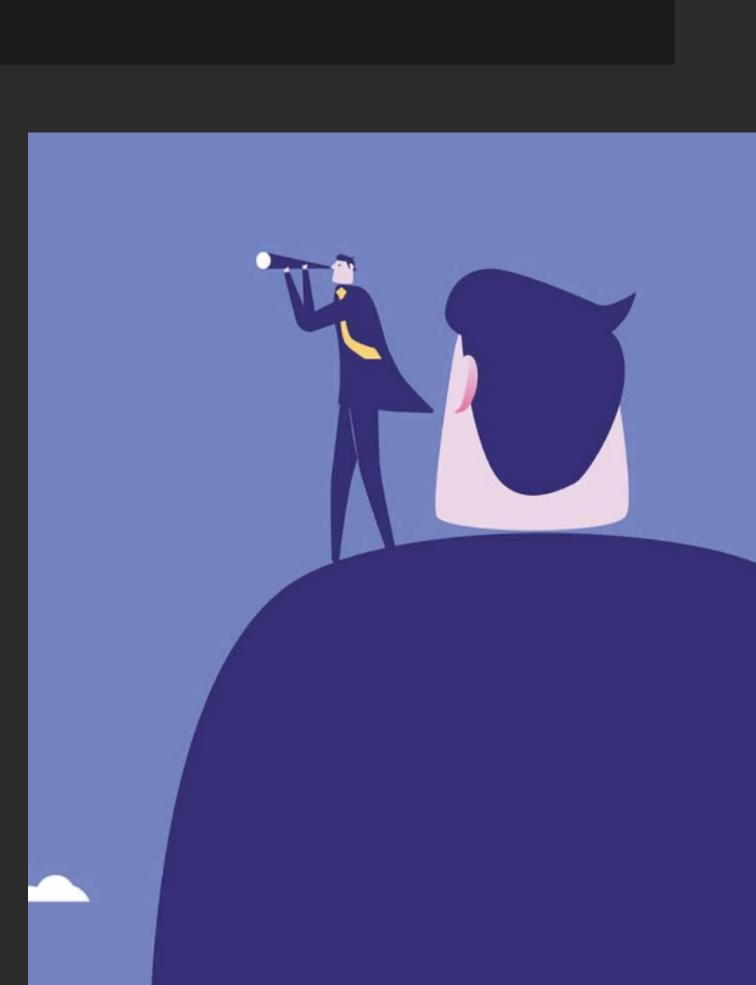
WHY USE THINKING TOOLS?

"If I have seen further, it is by standing on the shoulders of giants."

~ Isaac Newton

"A problem well-define is a problem half-solved."

~ Albert Einstein



FOCUS ON THE FEW WORST

TOOL #1: The J-Curve

WHAT THIS TOOL DOES

• Focuses your energy.

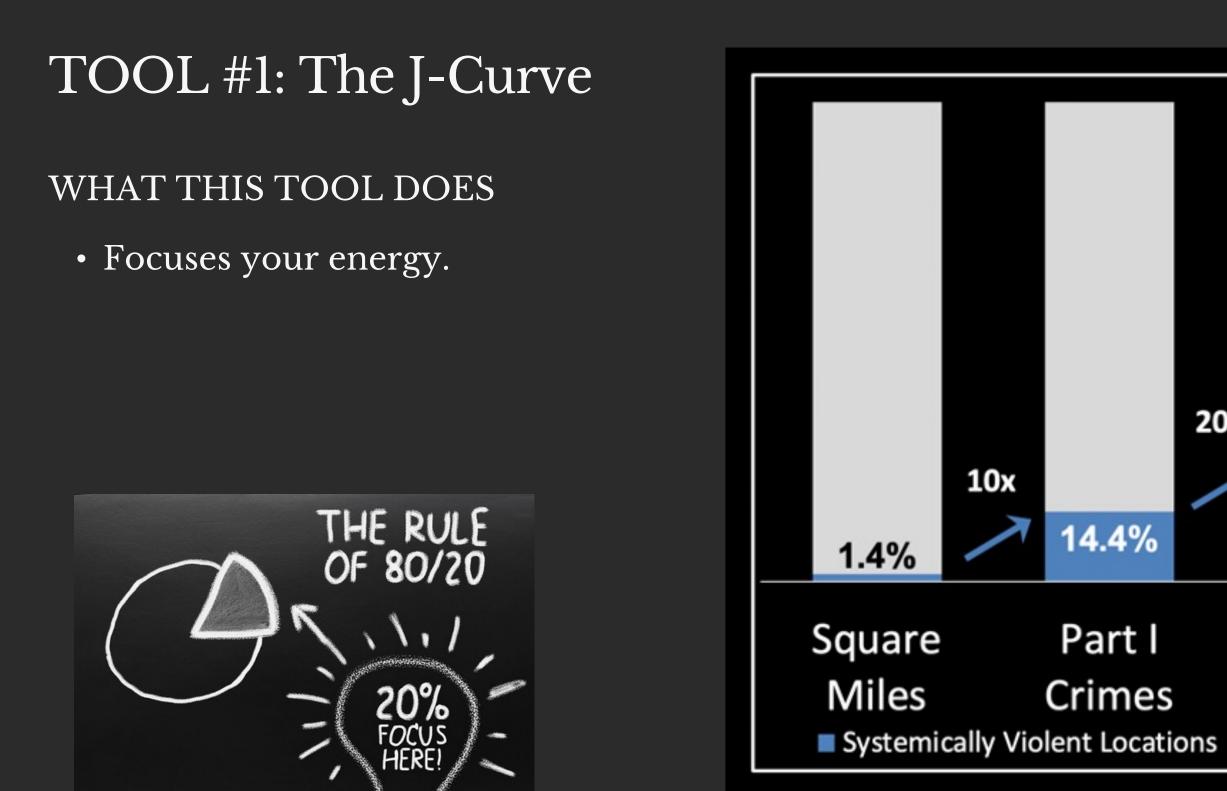
PLACES & CRIME A few have ^Frequency of Crime most of the crime Some have a modest amount of crime Most places have little or no crime 0

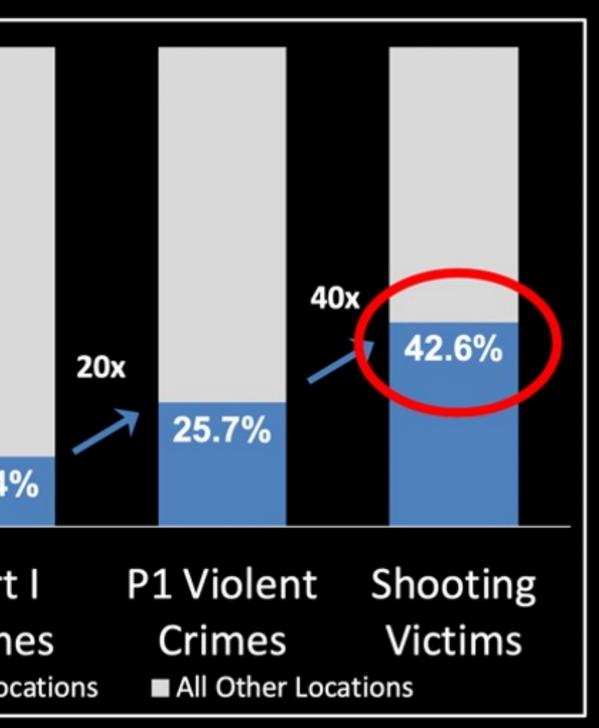
Most Crime

Most results come from a few things

No Crime

FOCUS ON THE FEW WORST





CHANGE ENVIRONMENTS

TOOL #2: Crime Prevention Through Environmental Design

WHAT THIS TOOL DOES

- Helps us design crimedeterring places.
- Encourages "space activation" to improve lives and keep crime away.

Gregory Saville gregorysaville@gmail.com

CPTED1 Messages to the Offender Territorial Control

- "you can't do that here" Natural Surveillance
- "we see you"
- Access Control "you're entering our space"
- Image "clean it, manage it"

- Cohesion
- Connectivity
- Culture

CPTED's Evolution

CPTED 2 Engaging **Community**

"we work together"

"no one is an island"

"we play together"

• Capacity - Land Use "tipping points"

CPTED 3 Sustaining Change

- Economic "local businesses, farmers markets"
- Public Health "mental health, physical activity"
- Environmental "green spaces, remove heat islands"
- Social "livability academies"

CHANGE ENVIRONMENTS

TOOL #2: CPTED

CPTED 1 Messages to the Offender

- Territorial Control "you can't do that here"
- Natural Surveillance "we see you"
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Thought Experiment



BLOCK OPPORTUNITIES

TOOL #3: Situational Crime Prevention

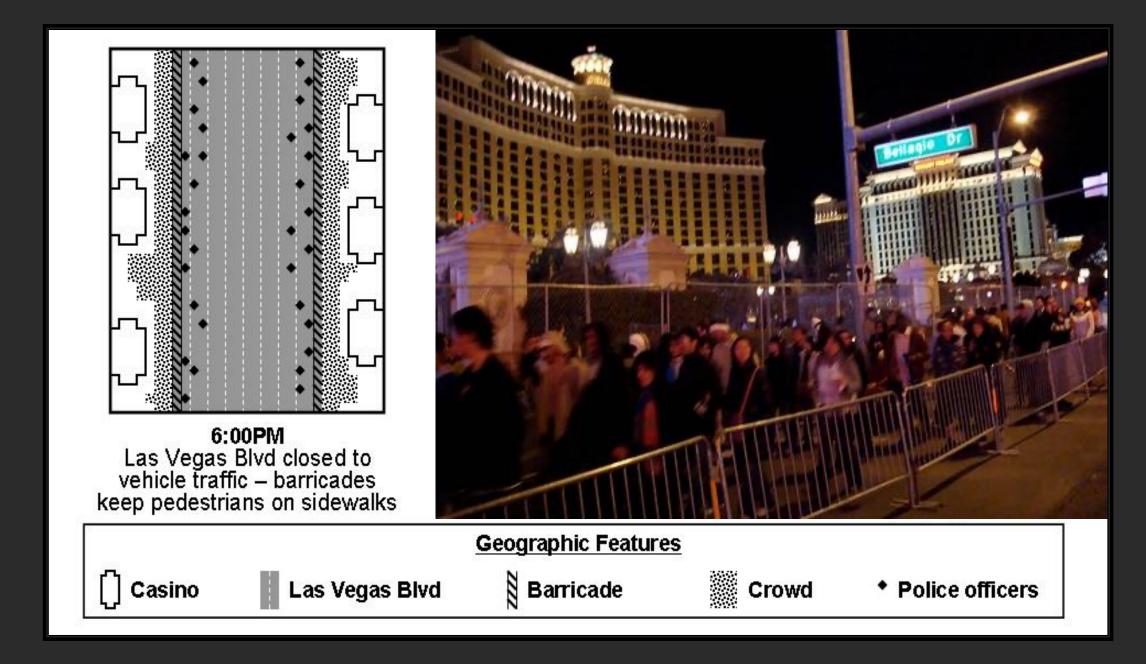
WHAT THIS TOOL DOES

• Offers 25 ways to block crime opportunities.



BLOCK OPPORTUNITIES

TOOL #3: Situational Crime Prevention



EFFORT

- Protects officers from crowd
- Plastic cup distribution

RISK

Officer surveillance

REWARD

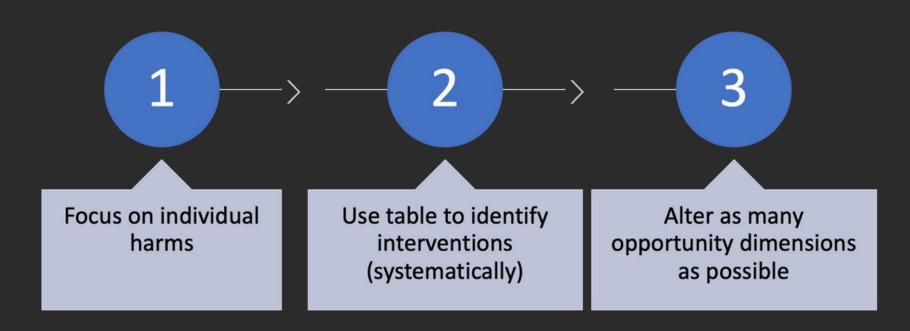
- Trash bins secured
- PROVOCATIONS
 - Manage crowd density

EXCUSES

• Officer visibility/availability

BLOCK OPPORTUNITIES

TOOL #3: Situational Crime Prevention



Increase the Effort	Increase the Risks	Reduce the Rewards	Reduce Provocations	Remove Excuses
Harden targets Steering column locks and immobilisers Anti-robbery screens Tamper-proof packaging 	Extend guardianship • Take routine precautions: go out in group at night, leave signs of occupancy, carry phone • "Cocoon" neighborhood watch	Conceal targets Off-street parking Gender-neutral phone directories Unmarked bullion trucks 	Reduce frustrations and stress • Efficient queues and polite service • Expanded seating • Soothing music/muted lights	Set rules • Rental agreements • Harassment codes • Hotel registration
Control access to facilities • Entry phones • Electronic card access Baggage screening	Assist natural surveillance • Improved street lighting • Defensible space design • Support whistleblowers	Remove targets • Removable car radio • Women's refuges • Pre-paid cards for pay phones	Avoid disputes • Separate enclosures for rival soccer fans • Reduce crowding in pubs • Fixed cab fares	Post instructions • "No Parking" • "Private Property" • "Extinguish camp fires"
Screen exits • Ticket needed for exit • Export documents • Electronic merchandise tags	Reduce anonymity • Taxi driver IDs • "How's my driving?" decals • School uniforms	Identify property • Property marking • Vehicle licensing and parts marking • Cattle branding	Reduce emotional arousal • Controls on violent pornography • Enforce good behavior on soccer field • Prohibit racial slurs	Alert conscience • Roadside speed display boards • Signatures for customs declarations • "Shoplifting is stealing"
Deflect offenders Street closures Separate bathrooms for women Disperse pubs 	Utilize place managers • CCTV for double-deck buses • Two clerks for convenience stores • Reward vigilance	 Disrupt markets Monitor pawn shops Controls on classified ads. License street vendors 	Neutralize peer pressure • "Idiots drink and drive" • "It's OK to say No" • Disperse troublemakers at school	Assist compliance • Easy library checkout • Public lavatories • Litter bins
Control tools/ weapons • "Smart" guns • Disabling stolen cell phones • Restrict spray paint sales to juveniles	Strengthen formal surveillance • Red light cameras • Burglar alarms • Security guards	Deny benefits • Ink merchandise tags • Graffiti cleaning • Speed humps	Discourage imitation • Rapid repair of vandalism • V-chips in TVs • Censor details of modus operandi	Control drugs and alcohol • Breathalyzers in pubs • Server intervention • Alcohol-free events

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GO BEYOND THE OFFENDER

TOOL #4: The Problem Triangle

WHAT THIS TOOL DOES

- Shows who is involved.
- Reveals three types of solutions.

3 Elements of a Problem



Place

GO BEYOND THE OFFENDER

TOOL #4: The Problem Triangle

WHAT THIS TOOL DOES

- Shows others who should be involved.
- Reveals three more types of solutions.







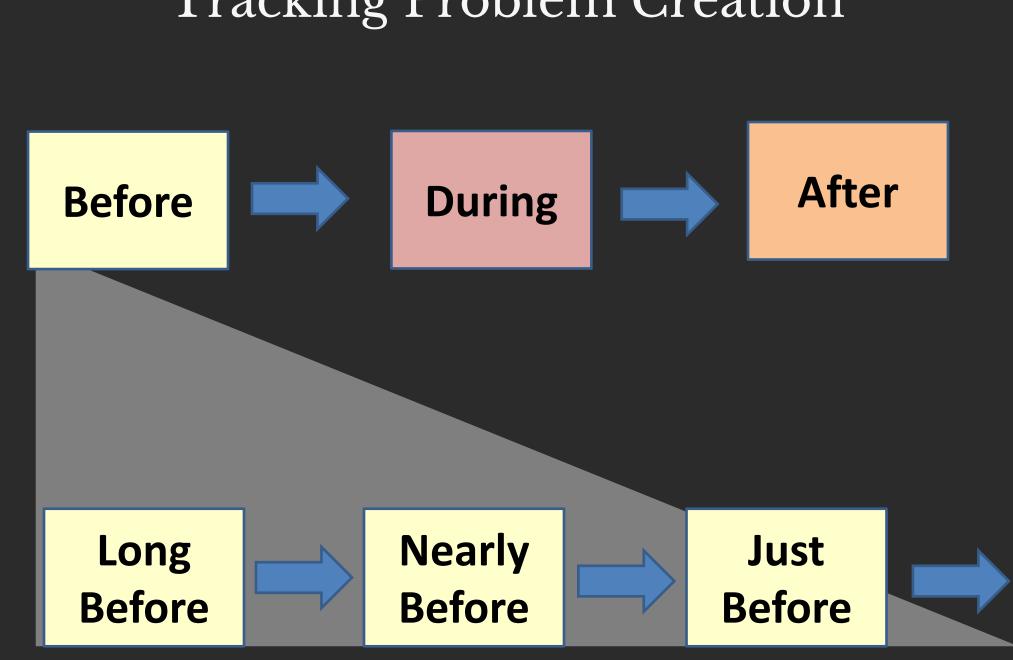
Offender **Problem** Place Manager

UNCOVER THE CRIME PROCESS

TOOL #5: Crime Scripts

WHAT THIS TOOL DOES

- Shows the problem's time course.
- Increases solution options.

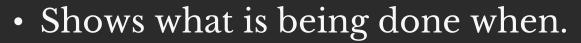


Tracking Problem Creation

BUILD COMPREHENSIVE APPROACHES

TOOL #6: General Problem Solving Matrix (GPSM) WHAT THIS TOOL DOES

• Provides a template for a plan.



During

Before

After



Offender

* Pronounced "gypsum." Not General Probabilistic Semantic Model, nor Global Penguin Seeking Monster



FargetPlaceGuardianManager

TOOL #6: General Problem Solving Matrix (GPSM)

A draft application to **Patient on Staff Hospital Violence**

By Karim Vellani Threat Analysis Group

GPSM for Workplace Violence Type 2 in Healthcare Environments	Offender (For WV Type 2, Offender is a Patient)	Handler	Target/Victim (For WV Type 2, Victim is a Clinical Staff Member)	Guardian	Place	Manager
Before	At-Risk Patient Identification via evidence-based tool	Parent/Companion provides medical history	Awareness of Patient's At-Risk Status	Security Officer Patrols	Calm Environment	Threat Assessment Team
	Red Flag in Medical Records	EMS staff alert hospital to concerns about patient being transported	De-Escalation Training	1:1 Observation by Trained Patient Sitter	Patient Room near nurses station or Dedicated Behavioral Health Rooms	Workplace Violence Policy
	At-Risk Patient Screening (remove contraband and gown/scrubs)			Clinical Staff completes Environmental Hazard Checklist	Workplace Violence Signage	Weapons Detection System/Process
During		Parent/Companion stays in room	Emergency Code (e.g. Code Silver) Activation	Security Officer Response - Verbal and/or Physical De- Escalation	Mass Notification and Overhead Paging System	Provide all necessary resources to effectively intervene
			Use of Personal Protection Equipment	Behavioral Emergency Response Team (BERT)	Personal Protection Equipment Availability	
			Wearable Duress Alarm		Duress Alarms	
After	Behavioral Contract		Report Incident via Security/Risk Reporting System	Security Officer(s) participate in Root Cause Analysis	Install additional Behavioral Health Treatment Rooms	Provide Victim with Medical Care
	Ban / Trespass		Victim(s) participate in Root Cause Analysis		Build Secure Behavioral Health Treatment Area	Root Cause Analysis (post-incident debrief)
						Implement physical and procedural corrective measures in the Place

PROBLEM-SOLVING THINKING TOOLS

Summing Things Up

Problem-Solving Thinking Tools	Their Les
The J-Curve	Focus on t
Crime Prevention Through Environmental Design (CPTED)	Change er
Situational Crime Prevention	Block opp
The Problem Triangle	Go beyond
Crime Scripts	Uncover t
General Problem Solving Matrix (GPSM)	Build com



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www.popcenter.org



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