

# Threat Assessment and Leakage: Utilizing Digital Data to Enhance Your Behavioral Threat Assessment & Management Process

Theresa Campbell, CEO and President  
Dr. Greg Gerber, Trainer and Senior Consultant



SAFER  
SCHOOLS  
TOGETHER





SAFER  
SCHOOLS  
TOGETHER

A little bit about us...

USING TODAY FOR A SAFER TOMORROW



Canadian &  
US Offices  
(Vancouver, BC)  
(CA & WA)



24/7 on call  
assistance  
available



Digital Threat  
Assessment  
Training



Worrisome  
Online  
Behavior™  
(WOB) Reports



Social Media  
& Safe  
Schools  
Presentations



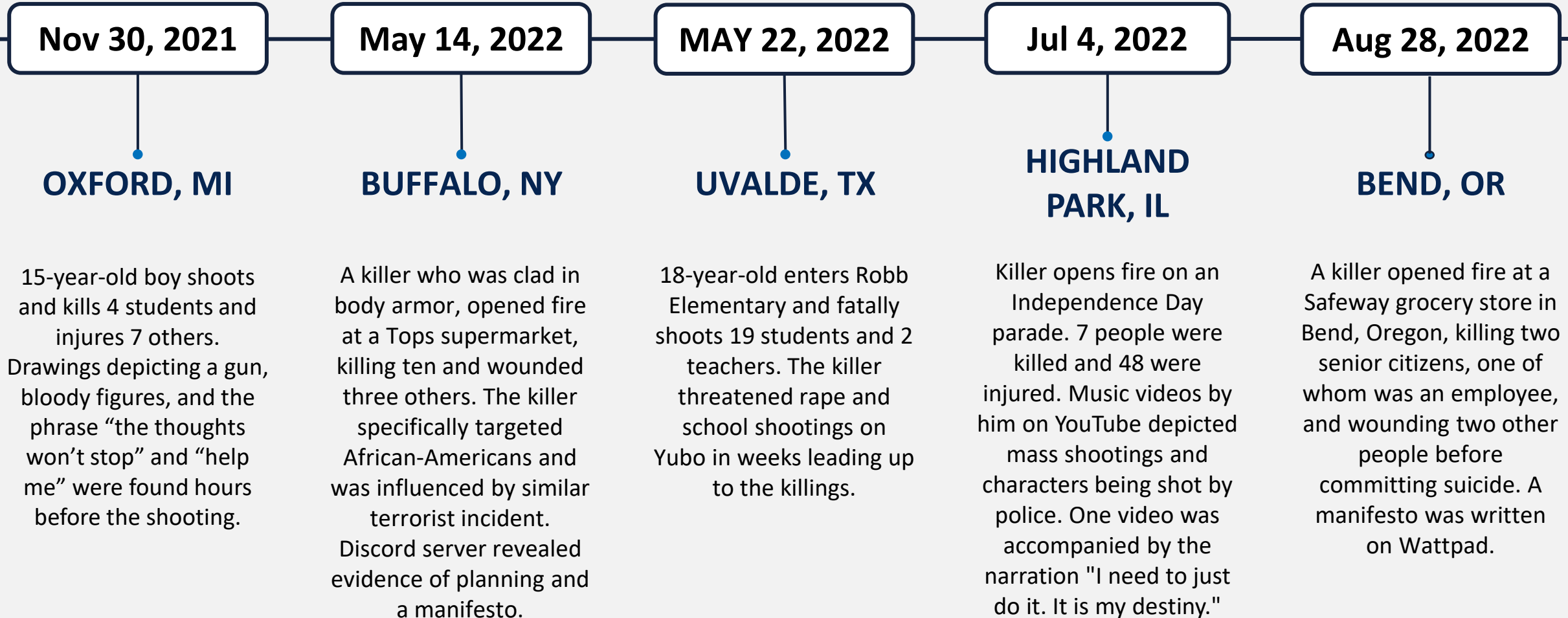
PSSTWorld  
Award  
Winning  
Online  
Anonymous  
Reporting Tool  
for students

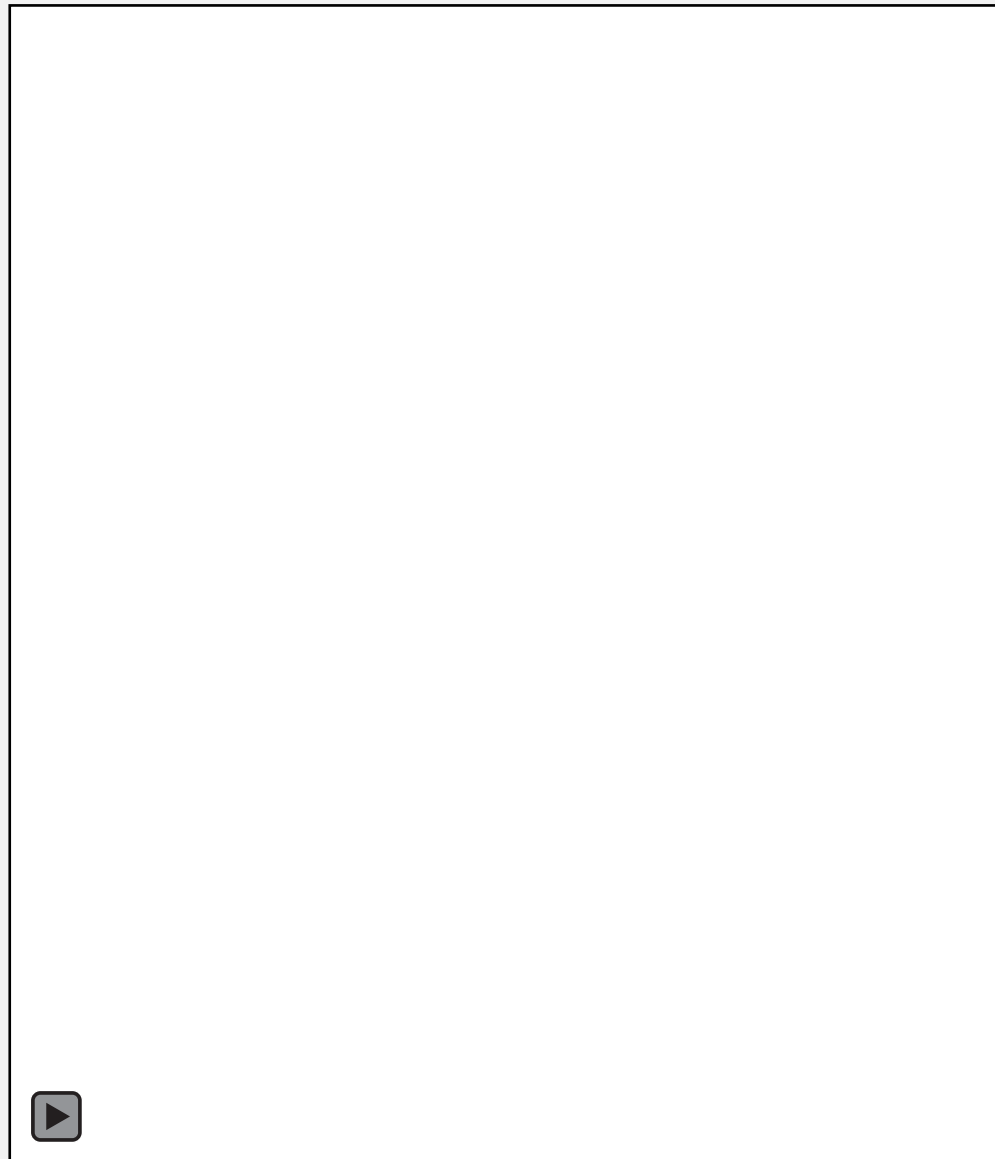
**Growing Up...**



**Tech in the 70's & 80's**

# Timeline of Recent Tragic Events





SAFER  
SCHOOLS  
TOGETHER

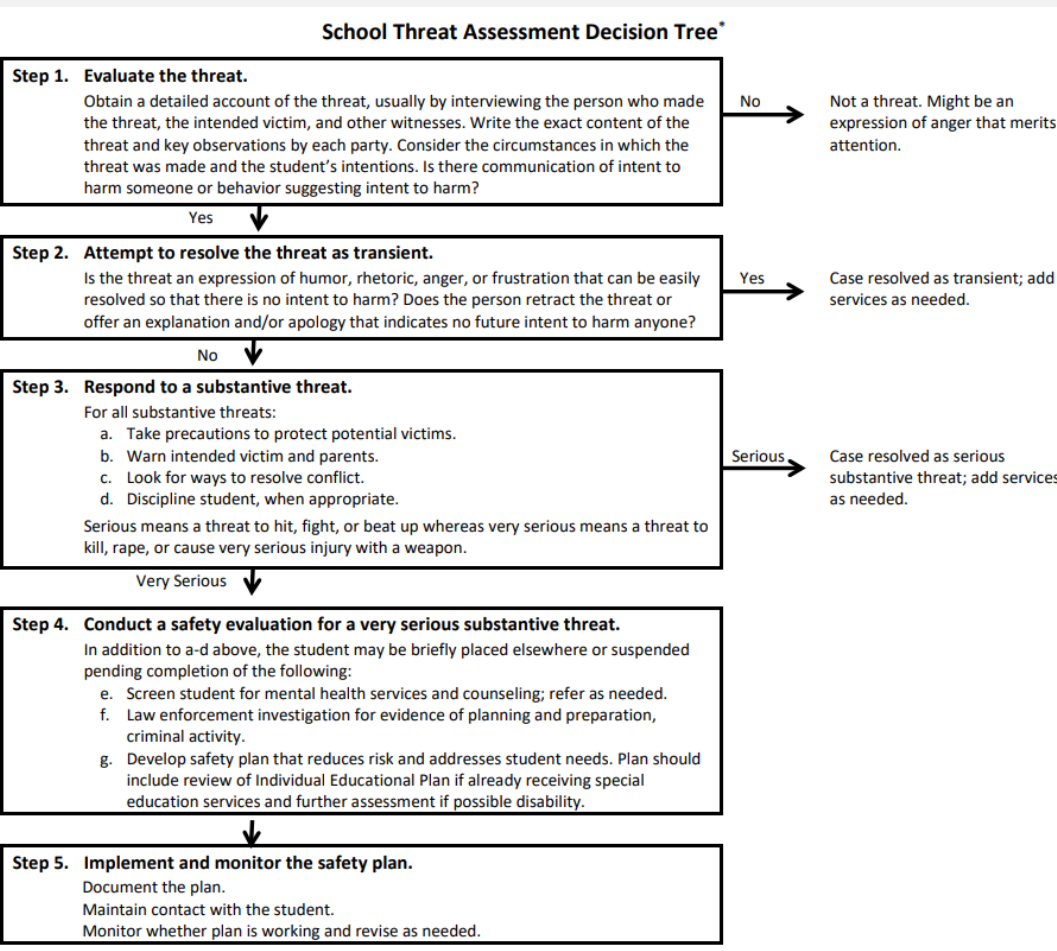


# The Pathway to Violence



# Digital Threat Assessment<sup>®</sup>

## The Missing Link





# Which Behaviors Have We Seen Increase Since the Pandemic?



# Culture, Climate, and Connectedness Before Programs



**School Climate**



**School Culture**



**Classroom Climate**



**Classroom Culture**



SAFER  
SCHOOLS  
TOGETHER





# Worrisome Behavior

Do all staff in your schools know what worrisome behavior is?

Do students know where to report worrisome behavior?

Do all staff know what worrisome behavior looks like?



SAFER  
SCHOOLS  
TOGETHER



**+ SST Intake Form: New record has been created**

by Anonymous on Tuesday, February 14, 02:16 PM

**Submission Date:**

February 14, 2023

**Is this an urgent request?:**

Yes

**Name of Caller / Position Title:**

Cst. S. [REDACTED]

**School District:**

[REDACTED]

**Email Address:**

[REDACTED]

**Phone Number:**

[REDACTED]

**Provide details of the incident / situation that has occurred.:**

SOC threw knife at another student, threatened to kill student, attempted to throw a chair at a student, threatened to shoot up the school

**If a threat or threat-related behavior has occurred, please provide the exact language of the threat below. If screenshots are available please include.:**

"I'm going to shoot up the school."

**Date of incident?:**

2023-02-09

**Have you initiated a Threat Assessment (TA)?:**

Yes

**Are law enforcement involved?:**

Yes

**How did this come to your attention? (If screenshots are included, who originally provided them?):**

Behaviour and words used toward students and school during school time.

**Please provide the name(s) of the Subjects of Concern (SOCs) involved (first and last names, nicknames, or aliases).:**

[REDACTED]

**Current school and previous school(s), if known.:**

[REDACTED]

**Grade(s) of the Subjects of Concern (SOCs):**

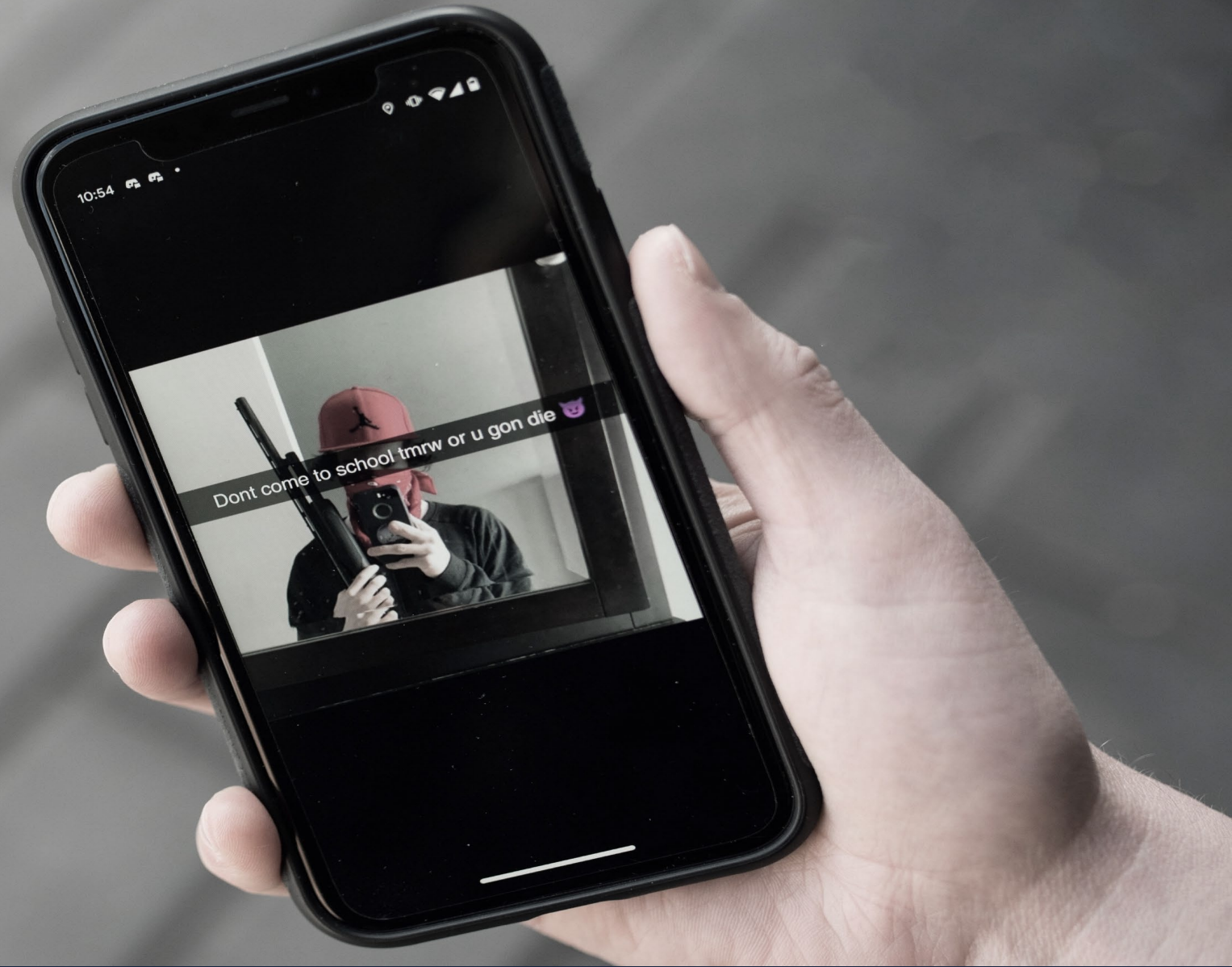
**EXAMPLE**



SAFER  
SCHOOLS  
TOGETHER



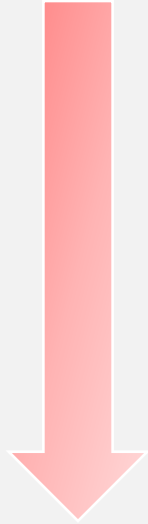
# ASSESSING ONLINE THREATS



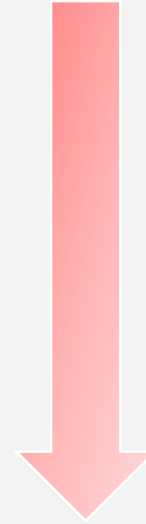
SAFER  
SCHOOLS  
TOGETHER



**The Lower the Data**



**The Lower the Risk**



# PSBA

- Plausibility
- Specificity
- Baseline
- Attack Related Behaviors/Attempt to  
Access



SAFER  
SCHOOLS  
TOGETHER



who think your better then me and  
think you have more power over me. I  
will kill anyone who thinks that i will  
kill I will shot it upat my school  
because maybe it will get messy at  
my school like really fucking messy  
I'll kill you I will find where you live  
and I will kill everybody at my school  
I hate you and I had already plans  
that I was going to do before I meet  
you and know I am going to kick it up  
to now the same thing at my school I  
hope you see me on the news. I'm  
going to do something so horrible it  
will shock you to your core

# Analyzing Language

Terms of Commitment vs Terms Lacking Commitment

General vs Inordinate Knowledge


Hard Language vs. Soft Language



SAFER  
SCHOOLS  
TOGETHER







Once you initiate any **threat assessment process, social media MUST be examined**



SAFER  
SCHOOLS  
TOGETHER



International Center for  
Digital Threat Assessment

Safer Schools Together  
**GOLDEN TICKET**  
GREETINGS TO YOU, THE LUCKY FINDER OF THIS

**BDTA™**

*In your wildest dreams you could not imagine the marvelous SURPRISES  
that await YOU!*



SAFER  
SCHOOLS  
TOGETHER



International Center for  
Digital Threat Assessment

# Assessing Anonymous Threats



SAFER  
SCHOOLS  
TOGETHER



International Center for  
Digital Threat Assessment

What Do We See Here?

What Do We Not See?

What Social Media Platform Did this Originate From?



# REVERSE IMAGE SEARCH TECHNIQUES & TOOLS

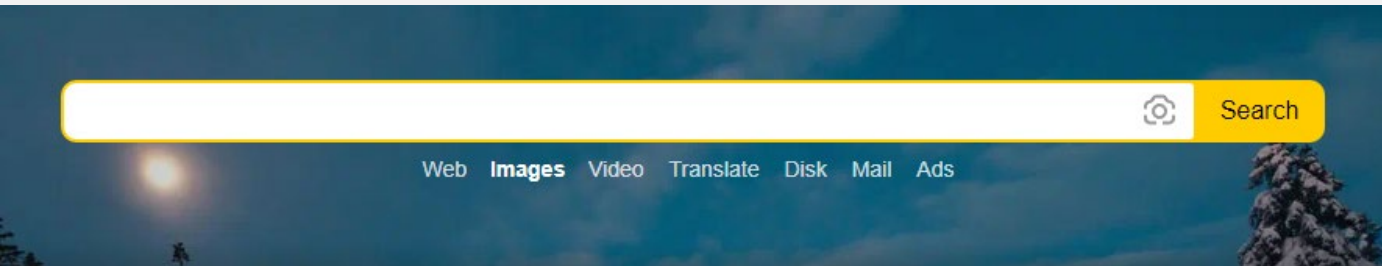
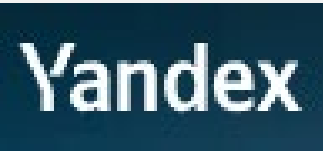


SAFER  
SCHOOLS  
TOGETHER



International Center for  
Digital Threat Assessment

# Reverse Image Search





Search any image with Google Lens




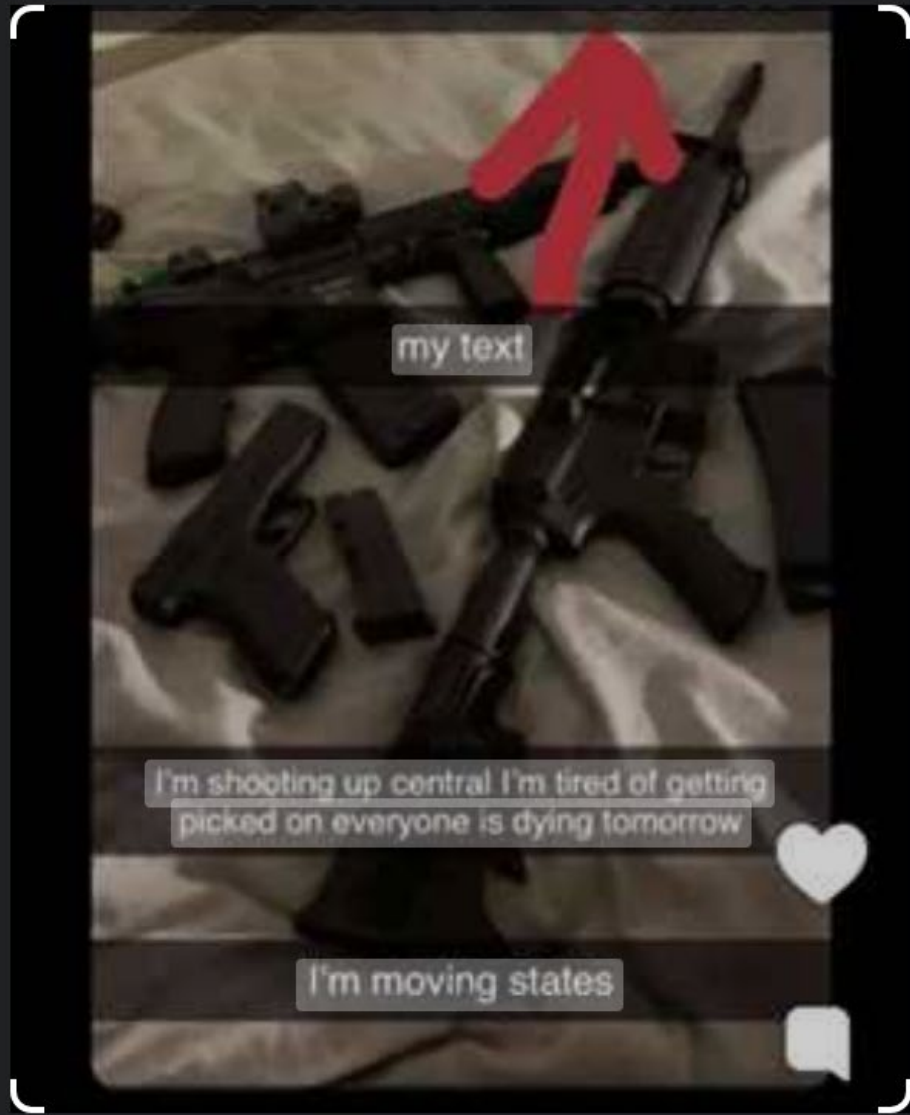
Drag an image here or [upload a file](#)

OR

Paste image link

Search

 Find image source



Search

Text

Translate



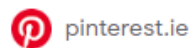
← Find image source



Pinterest

Gang\$ta

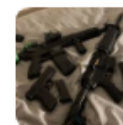
236x419



pinterest.ie

Guns

550x1021



Pinterest

Quick Saves

646x1200



Pinterest

iLxditz !! (ughLxditz) - Profile | Pinterest

720x1280



Pinterest

900 ideas de Fotos tumblr e imagenes en 2023 | fotos tumblr, foto, fotos tumblr

236x314



Pinterest

Aggeliki Grigoriadi (aggelikigrigoriadi) - Profile | Pinterest

720x1280

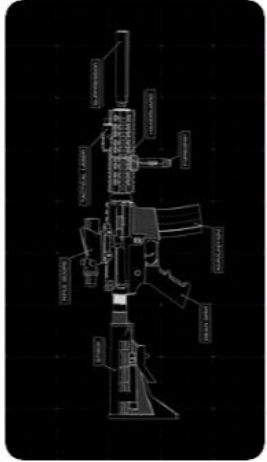


# Guns ...



° Darwin Waterson ▣

Share





Save



lefty  
110 followers

Follow

### Comments



bellator I like it very much I want

1y Reply 3 ...



rt soft

1y Reply ...



rt soft

1y Reply ...

3 comments

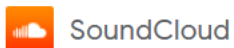


C

Add a comment



Exact matches



Stream [FREE] Arabic Trap Beat 2023 - AK 47 by prod. by mistic | Listen online for free on SoundCloud

Apr 10, 2023 · 500x500



Did you find these results useful?

Yes No

Inspector Console Debugger Network Style Editor Performance Memory Storage Accessibility Application

Filter URLs

Status	Method	Domain	File	Initiator	Type	Transferred	Size	Headers	Cookies	Request	Response	Timings	Stack Trace	Security	
200	GET	encrypted-tb...	images?q=tbn:ANd9GcTowu1M3MS5IF1_VZcR7X...	m=ws9Tlc,n73q...	jpeg	12.21 kB	11.43 ...	Filter Headers						Block Resend	
200	GET	encrypted-tb...	images?q=tbn:ANd9GcSa_VbwGrrF49c8liX0CRW...	m=ws9Tlc,n73q...	jpeg	11.05 kB	10.27 ...	cross-origin-resource-policy: cross-origin							
200	GET	encrypted-tb...	images?q=tbn:ANd9GcSWQVvyqjCzkjCcpVv-M5pl...	/:206 (img)	jpeg	10.77 kB	9.96 kB	date: Wed, 25 Oct 2023 02:40:05 GMT							
200	GET	encrypted-tb...	images?q=tbn:ANd9GcRspnkaLtf9O0q2SrM_Ch3l...	/:206 (img)	jpeg	9.25 kB	8.45 kB	expires: Thu, 24 Oct 2024 02:40:05 GMT							
200	GET	encrypted-tbn2....	images?q=tbn:ANd9GcSefjt85QYX9SNcq2dIN6i...	img	jpeg	cached	8.32 kB	last-modified: Thu, 06 Feb 2020 07:13:07 GMT							
200	GET	encrvoted-tbn3....	images?q=tbn:ANd9GcThwailP8nGiO8la1J8ikbTl...	ima	inea	cached	8.32 kB	report-to: {"group":"images-tbn","max_age":2592000,"endpoints":[{"url":"https://csp.withgoogle.com/csp/report-to/images-tbn"}]}							
54 requests   403.14 kB / 368.55 kB transferred   Finish: 1.07 min   DOMContentLoaded: 1.26 s   load: 2.15 s							server: sffe								

# Google

🔍 How to utilize google while gathering data for your threat assessment ✕

Google Search

I'm Feeling Lucky



SAFER  
SCHOOLS  
TOGETHER







# Google Search Basics

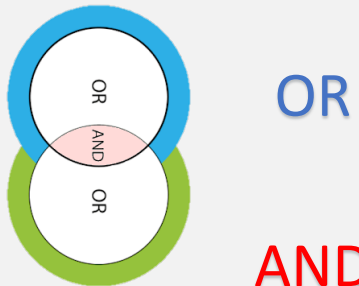




## Basic Training recap:

- Google is the world's fastest and broad-ranging search engine.
- Boolean operators allow an investigator to refine search results in powerfully important ways.
- We explored some basic operators




	<input type="text" user@domain.com\""="" value="\"/>		<input california"="" john="" smith\"="" type="text" value="\"/>
	<input 515.652.4895\""="" type="text" value="\"/>		<input \"@gmail.com\""="" john="" smith\"="" type="text" value="\"/>



	<input media\""="" social="" type="text" value="school OR threats OR \"/>		<input media\""="" social="" type="text" value="school   threats   \"/>
---	---	---	---

AND

	<input \"florida\""="" \"school\"="" stabbing\"="" type="text" value="\"/>
---	--



NOT

	<input -florida"="" john="" smith\"="" type="text" value="\"/>	 International Center for Digital Threat Assessment		<input -\"social="" media\""="" school="" threat\"="" type="text" value="\"/>
---	--	--	---	---

Google

"I'm shooting up central I'm tired of getting pick

Q All Images Videos News



2 days ago

News Channel 5  
threatening to shoot up a high school ...



2 days ago

Facebook  
Richmond Police Depart...



3 days ago

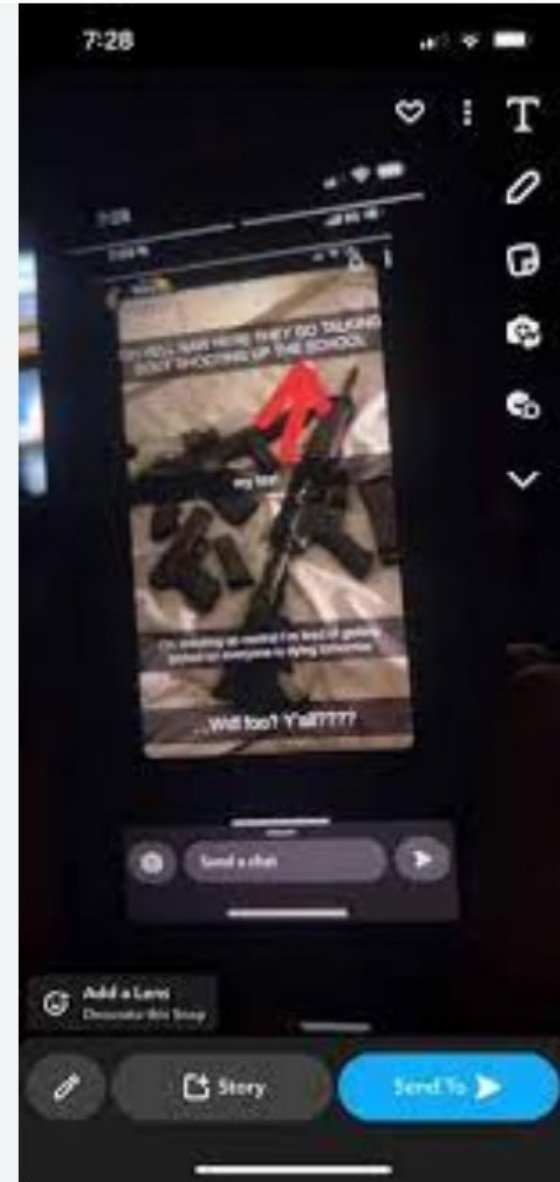
Facebook  
Free YOUR Children



Facebook  
Richmond Police Departme...



Facebook  
Richmond Police



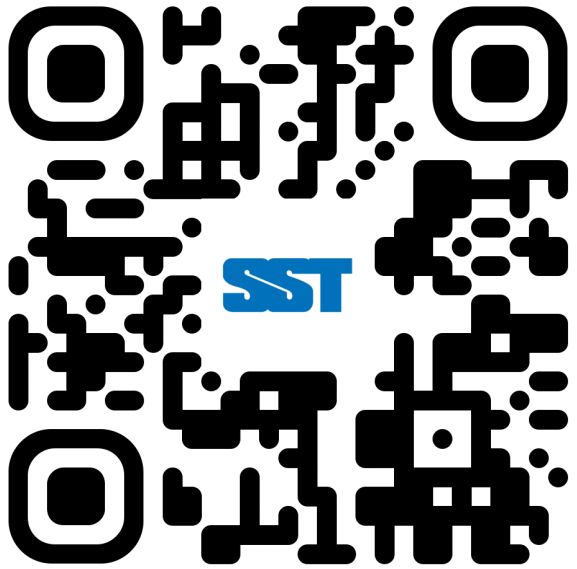
Free YOUR Children

Visit >

Images may be subject to copyright. [Learn More](#)

Yellow needs to be edited to fit your circumstances. Delete this upon completion.

## Search Warrant Language Template



Google Images ([images.google.com](https://images.google.com)) allow a user to search the internet for images (versus searching for words). A google image search allows google to look for images that appear identical or similar in nature to the searched-for image. Conversely, a “reverse image search” can be done which does the opposite by starting with an image and cross referencing it against every image in its massive Google database. The current combined database of images between Google and TinEye.com is well over 30+ Billion Images. This reverse image search technique essentially allows a verification to be completed on whether an image in question is unique (i.e. **original, possibly just taken**) or whether it was downloaded or sourced from the internet (i.e. **a stock image**).

This search isn’t dependent on something as exacting as hash values or resolution of the image; if low resolution image of object X is entered as the query, it will result in all version of the image found by google across the internet. TinEye.com is another website that allows for reverse image searches. I have tested both of these sites by searching various terms (e.g. Steinway piano), selecting an image from the response, compressing the image (to remove resolution), and then performing a reverse image search on my newly created image. The result of that search was 162 different places where the image of the piano was found. I also used a photograph I took in my office; the result of that search was that no images that matched my picture were found as the image was unique.



SAFER  
SCHOOLS  
TOGETHER







In this investigation, police/school officials received information that a concerning post was located on <SOCIAL MEDIA SITE>. I received a copy of the post from X and extracted from that post the image of the firearm shown below. I used that image to perform a reverse image search via images.google.com and tineye.com. As a result of my search, the program(s) were unable to locate an image across all of Google's indexed sites or those searched by Tineye. This means that it is reasonable to believe that the poster created the below image versus downloading or saving an image of this firearm from somewhere on the internet. Because neither site returned a result for the image, I assert that it is reasonable to believe that the poster created the image by having access to the weapon depicted in the picture.

INSERT PICTURE OF CONCERN

As a result of our exigent request to <SOCIAL MEDIA SITE>, we learned that the concerning post was created by someone using IP address 123.456.789.012. Our request to Comcast revealed that the address of the subscriber whose internet connection was used to upload the concerning post is 1234 Main Street, Anytown, USA. Police drove by that house and it looks like:

INSERT PICTURE.

This warrant is to enter the home and search for: (1) internet-enabled devices capable of accessing <SOCIAL MEDIA>; (2) all digital devices that could contain the image uploaded by account X on <SOCIAL MEDIA SITE>; and (3) the weapon and any ammunition shown in the photograph attached to concerning post.

## USEFUL SEARCH EXAMPLES

**SITE:** Finds content specific to the site

**INURL:** Search for keyword or phrases in the page URL

**INTEXT:** Search for keywords or phrases in the text of a web page (not in the title or URL)

**FILETYPE: or EXT:** search for specified filetype formats

**INTITLE:** contains title specified phrase on the page

✓ *“Vanity Name”* **site:**youtube.com

✓ *“Search term”* **site:**(instagram.com **OR** tiktok.com **OR** facebook.com **OR** vsco.co)

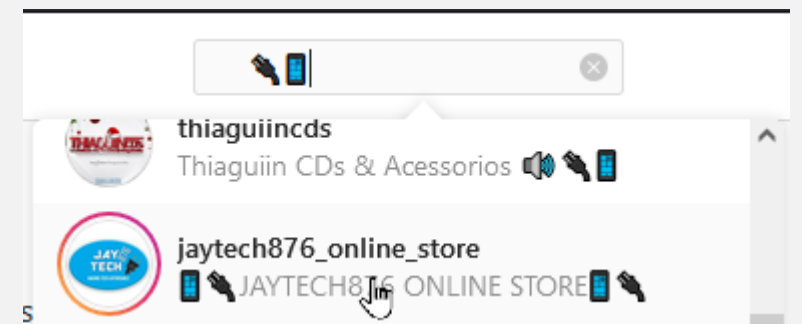
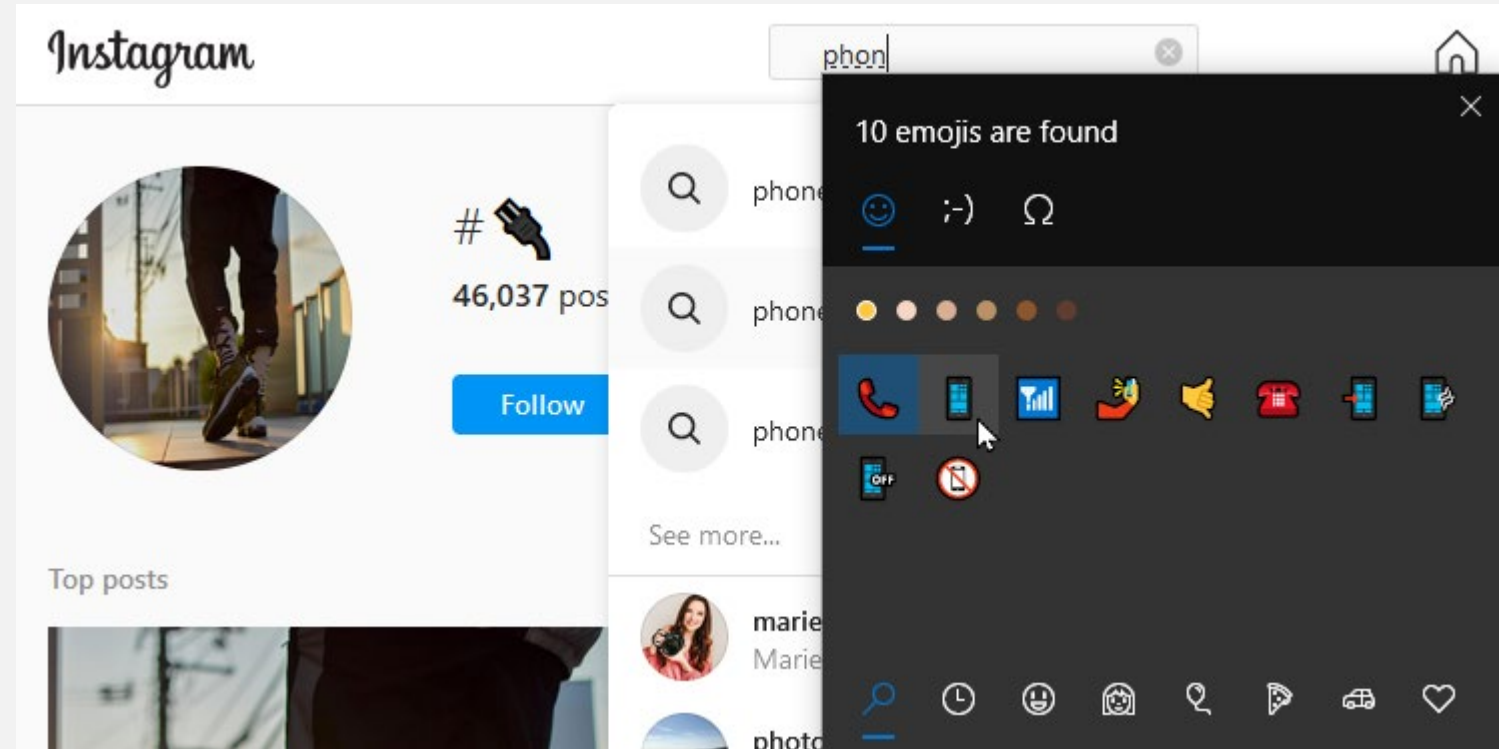
✓ **inurl:***“username”*

✓ **intext:***username* (or trend, etc.)

✓ **intext:**"

# SEARCH BY EMOTICON

- Click in the Search field
- Press Windows + period (PC) or Ctrl + CMD + Space (mac) to open the emoticon keyboard.
- Type the emoticon keyword
- Select the desired icon(s)



# **Emoticons Commonly Used by Gangs:**

**SITE:** Finds content specific to the site

**INURL:** Search for keyword or phrases in the page URL

**INTEXT:** Search for keywords or phrases in the text of a web page (not in the title or URL)

**FILETYPE: or EXT:** search for specified filetype formats

**INTITLE:** contains title specified phrase on the page

## USEFUL EXAMPLES

- ✓ *"Vanity Name"* **site:**youtube.com
- ✓ *"Search term"* **site:**(instagram.com **OR** tiktok.com **OR** facebook.com **OR** vsco.co)
- ✓ **inurl:***"username"*
- ✓ **intext:***username* (or trend, etc.)
- ✓ **intext:**"

# Reverse Video Search?



SAFER  
SCHOOLS  
TOGETHER



# Who Else Knows About it?

## Who Else is Involved?



SAFER  
SCHOOLS  
TOGETHER



# Reverse Video Search

The screenshot shows a social media profile for 'HipHop And Events' with 66 posts, 534 followers, and 580 following. The profile bio includes 'We follow back! DM CREDIT/REMOVAL @hip\_hooked'. The main post features a video player with a play button and a title: 'n another school threatens kids with backstory in comments'. Below the video is a grid of related images. One image shows a table with purple and black items, with text overlay: '6 PEOPLE DIE A DAY FROM TOXIC DRUGS IN BC SO FAR THIS YEAR'. Another image shows a child on a go-kart with text: 'NANAIMO HUB CITY SOAP BOX RACE IS COMING BACK'. A large blue arrow points from the right side of the grid towards the top-right corner of the video player.



SAFER  
SCHOOLS  
TOGETHER







Q All Books News Shopping Maps Images More Tools

About 40 results (0.22 seconds)



Image size:  
540 × 960

No other sizes of this image found.

Tip: Try entering a descriptive word in the search box.

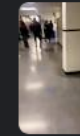
### Pages that include matching images



Reddit  
<https://www.reddit.com> › VictoriaBC ▾

#### Victoria, BC - Reddit

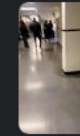
1282 × 2275 — r/VictoriaBC: Welcome to r/VictoriaBC! This subreddit is for residents of Victoria, BC, Canada and the Capital Regional District. Please take a ...



Reddit  
<https://www.reddit.com> › VictoriaBC › comments › nana...

#### Nanaimo... : r/VictoriaBC - Reddit

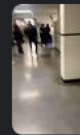
1282 × 2275 · 21 hours ago — That is a large bowie knife, but it still inflicts damage, just like a machete. I don't understand kids or anyone else nowadays.



Twitter  
<https://twitter.com> › krus\_vs\_insta ▾

#### DewastacjaTicTok (@krus\_vs\_insta) / Twitter

406 × 658 — Kierowca autobusu zachowuje się arogancko po tym, jak został okradziony i zostaje śmiertelnie postrzelony w płuca przez uciekającego podejrzanego. Oplacanie ...



Reddit  
<https://www.reddit.com> › soccercirclejerk ▾

#### Tomorrow's chip wrapper of the internet - Reddit

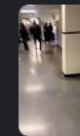
140 × 140 — r/socccirclejerk: Everything you need to know about the blooterful game. We make fun of arsocca hot takes and shitposts.



Reddit  
<https://www.reddit.com> › PublicFreakout ▾

#### /r/PublicFreakout - Reddit

1282 × 2275 — r/PublicFreakout: A subreddit dedicated to people freaking out, melting down, losing their cool, or being weird in public.



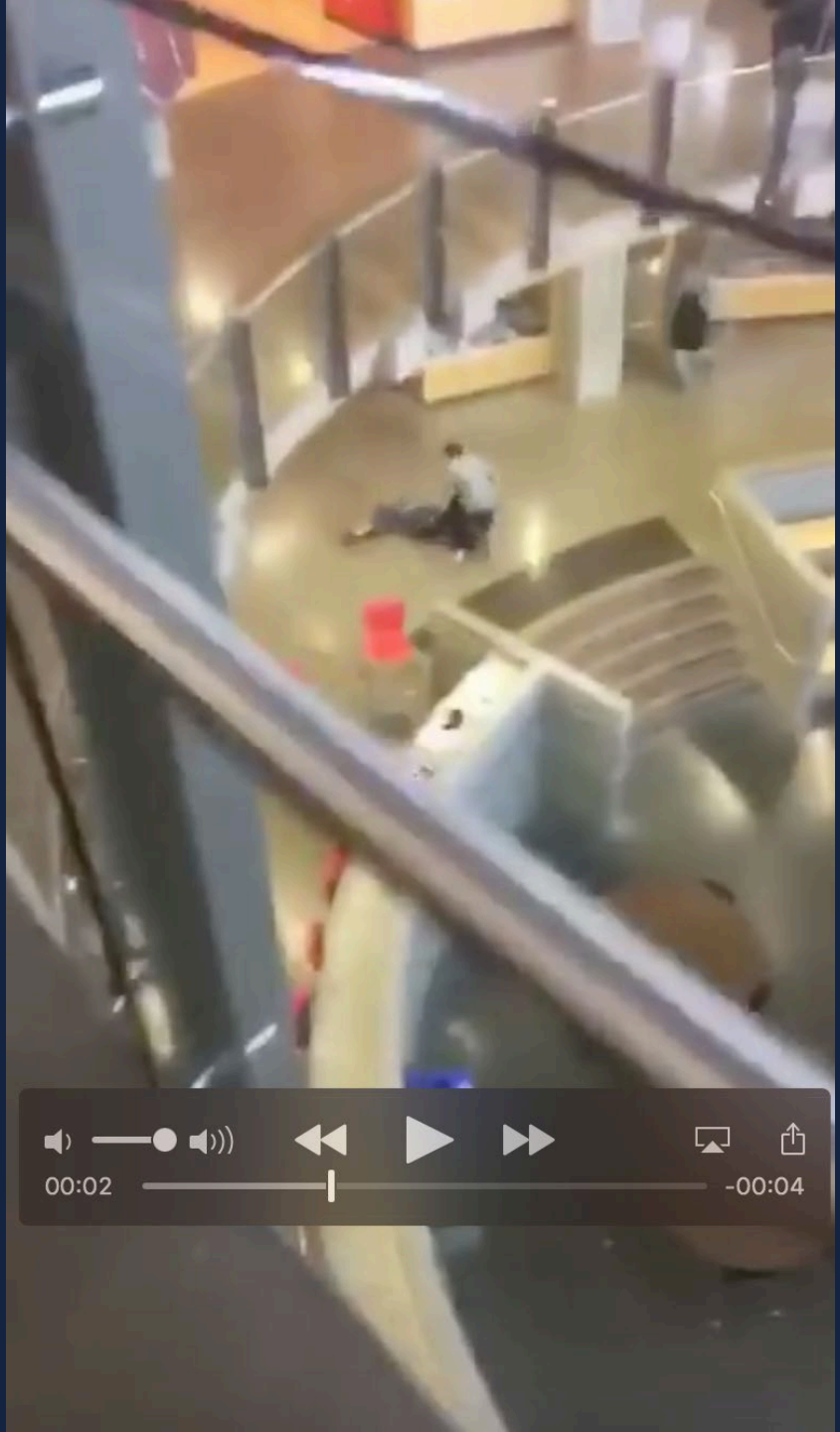
# Digital Millennium Copyright Act (DMCA)









SAFER  
SCHOOLS  
TOGETHER



International Center for  
Digital Threat Assessment



00:02       -00:04



# THE DIGITAL MILLENNIUM COPYRIGHT ACT OF 1998

## U.S. Copyright Office Summary



**December 1998**

### INTRODUCTION

The Digital Millennium Copyright Act (DMCA)<sup>1</sup> was signed into law by President Clinton on October 28, 1998. The legislation implements two 1996 World Intellectual Property Organization (WIPO) treaties: the WIPO Copyright Treaty and the WIPO Performances and Phonograms Treaty. The DMCA also addresses a number of other significant copyright-related issues.

The DMCA is divided into five titles:

- Title I, the “**WIPO Copyright and Performances and Phonograms Treaties Implementation Act of 1998**,” implements the WIPO treaties.
- Title II, the “**Online Copyright Infringement Liability Limitation Act**,” creates limitations on the liability of online service providers for copyright infringement when engaging in certain types of activities.



Search

## YouTube Help

Copyright and rights management

# Submit a

If you believe your **copyright** infringement notification before you submit. This is on the owner's behalf.

The fastest and simplest way to use on a desktop or laptop.

**SUBMIT A COPYRIGHT**

If you choose to request initiating a legal process

## Copyright Infringement Notification

### What is the issue?

- Inappropriate content (Nudity, violence, etc.)
- I appear in this video without permission
- Abuse/Harassment (Someone is attacking me)
- Privacy (Someone is using my image)
- Trademark infringement (Someone is using my trademark)
- Copyright infringement (Someone copied my creation)
- Other legal issue (including the circumvention of technological measures, such as providing keygens or serial numbers)

### Copyright infringement - Who is affected?

- I am!
- My company, organization, or client
- Another copyright owner

### Videos to be removed

\* URL of allegedly infringing video to be removed:

Describe the work allegedly infringed:

\* Please select one:

+ Add another video

# Copyright Transfer

Date:

I, [Redacted] [Redacted]  
(Name) (Signature)

and legal guardian

[Redacted] [Redacted]  
(Name) (Signature)

certify that I willingly assign the copyright of my video that I recorded on November 1<sup>st</sup>, 2016 (Date) from my iPhone 6s (Device)

"Stabbing at a Abbo..." This video is no longer available due to a copyright claim by Safer Schools Together.

Sorry about that.



### Copyright Transfer

I, \_\_\_\_\_  
**(Name)** **\_\_\_\_\_(Signature)**

and legal guardian

\_\_\_\_\_  
**(Name)** **\_\_\_\_\_(Signature)**

Certify that I willingly assign the copyright of my video that I recorded on \_\_\_\_\_  
**(Date)**

from my \_\_\_\_\_ with the filename \_\_\_\_\_  
**(Device)** **\_\_\_\_\_(File Name)**

To:

\_\_\_\_\_ and agents acting on its behalf

**\_\_\_\_\_(Organization)**

Namely:

Date:

\_\_\_\_\_

and

Date:

\_\_\_\_\_

The conveyance of this agreement entitles the recipient organization to full ownership and legal rights of the video.



# RAISING DIGITALLY RESPONSIBLE YOUTH

## A PARENT'S GUIDE

---

This guide will equip you with the knowledge you need to stay in the loop about the most popular applications and trends.



SAFER  
SCHOOLS  
TOGETHER



Free Parent / Caregiver  
Resource Available for  
Download.



International Center for  
Digital Threat Assessment