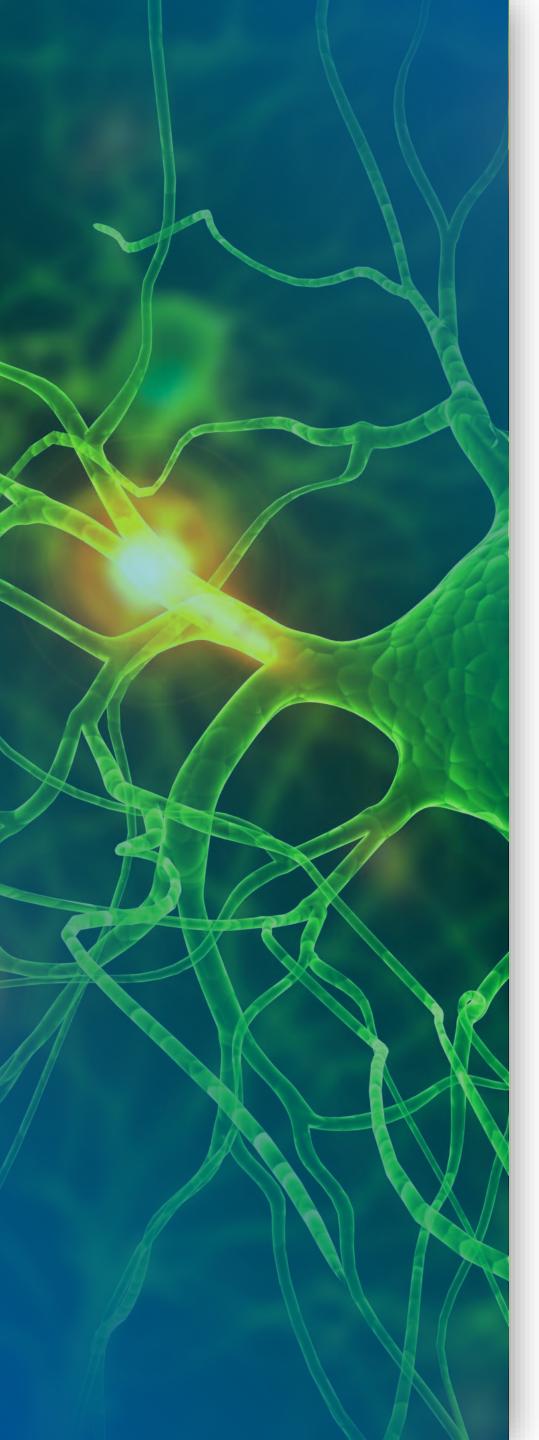




Brain-Based Science + Your Curriculum:Helping Our Students Prevent Drug Misuse



Agenda

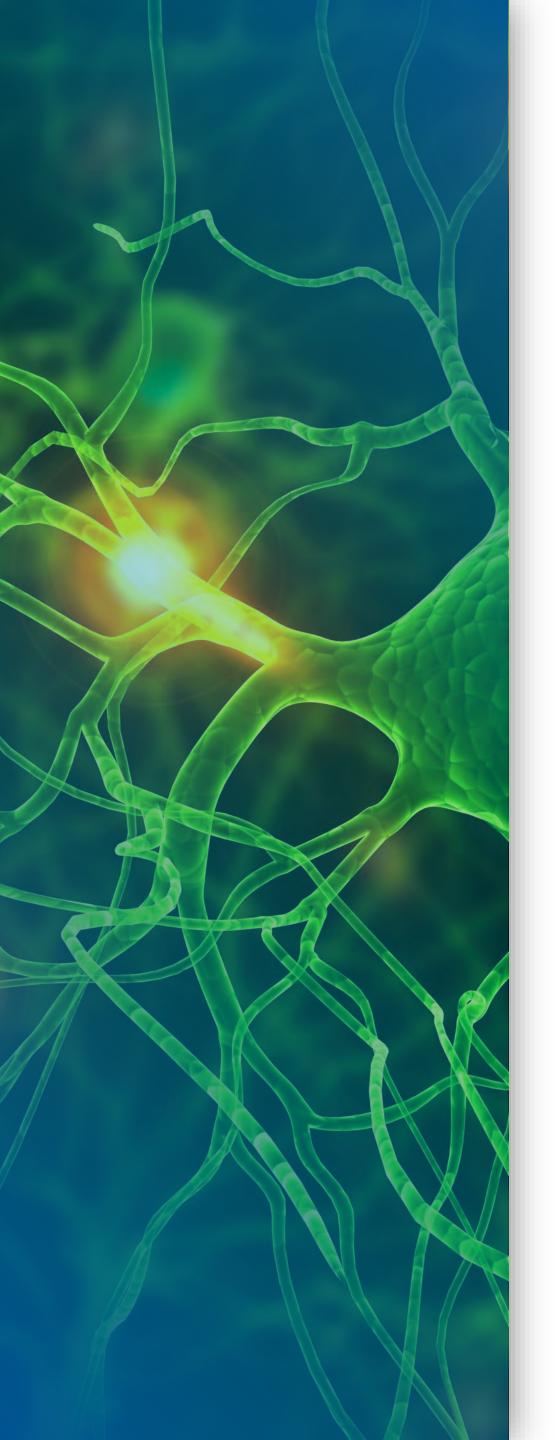
Introduction

Refresher

What's New?

- Your Host
- Your Need
- What is Operation Prevention
- Digital Lessons
- VFTs
- Student Videos
- Self-Paced Module
- Multi-Drug Prevention Resources
- Video Topic Series, Activities + Educator Guide
- American Indian + Native Alaskan Resources

Questions?

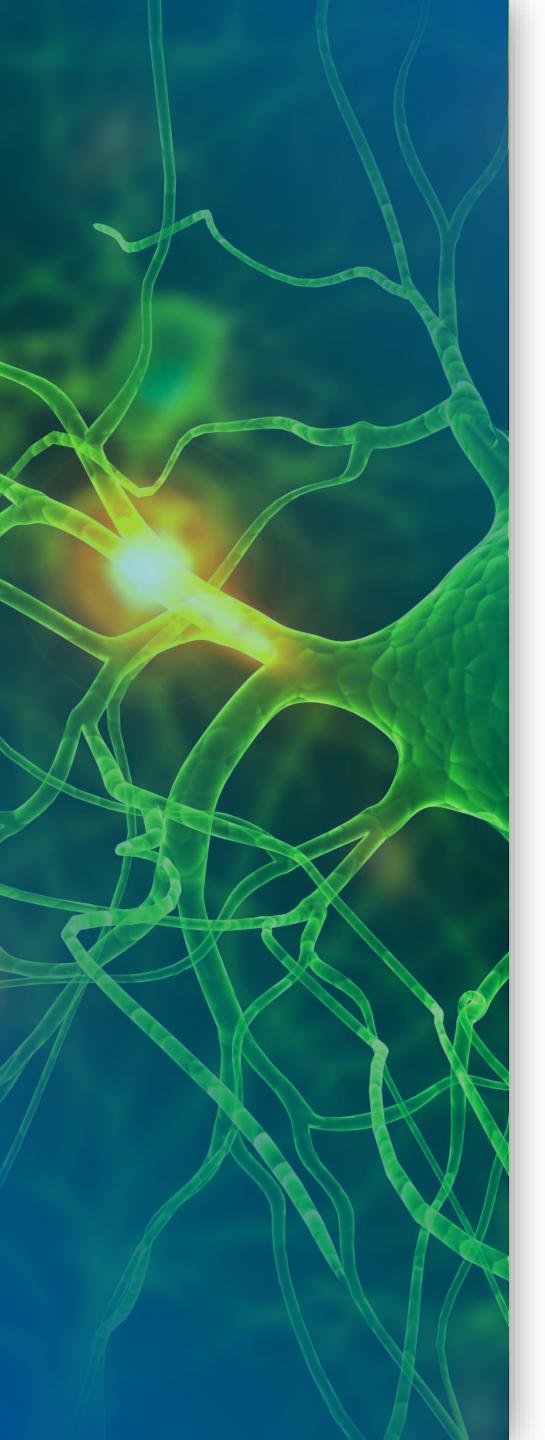


Your Host



Catie Drew, M.A.T.

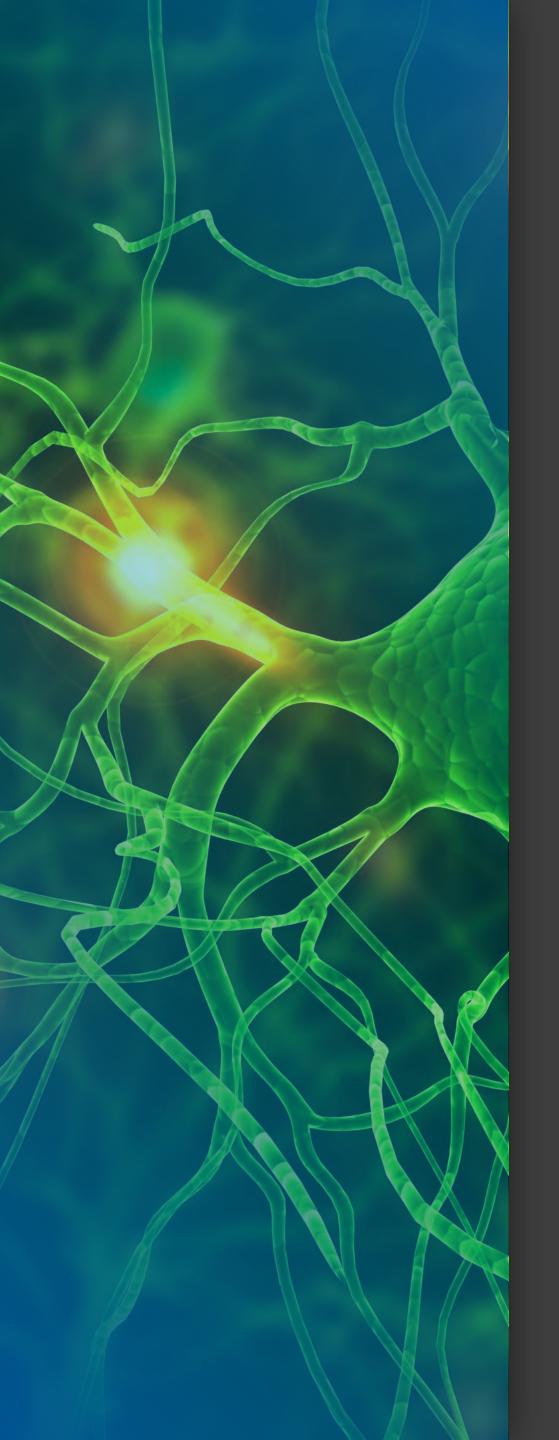
Sr. Prevention Program Manager
Drug Enforcement Administration - DEA
Cathleen.R.Drew@usdoj.gov



The Partnership



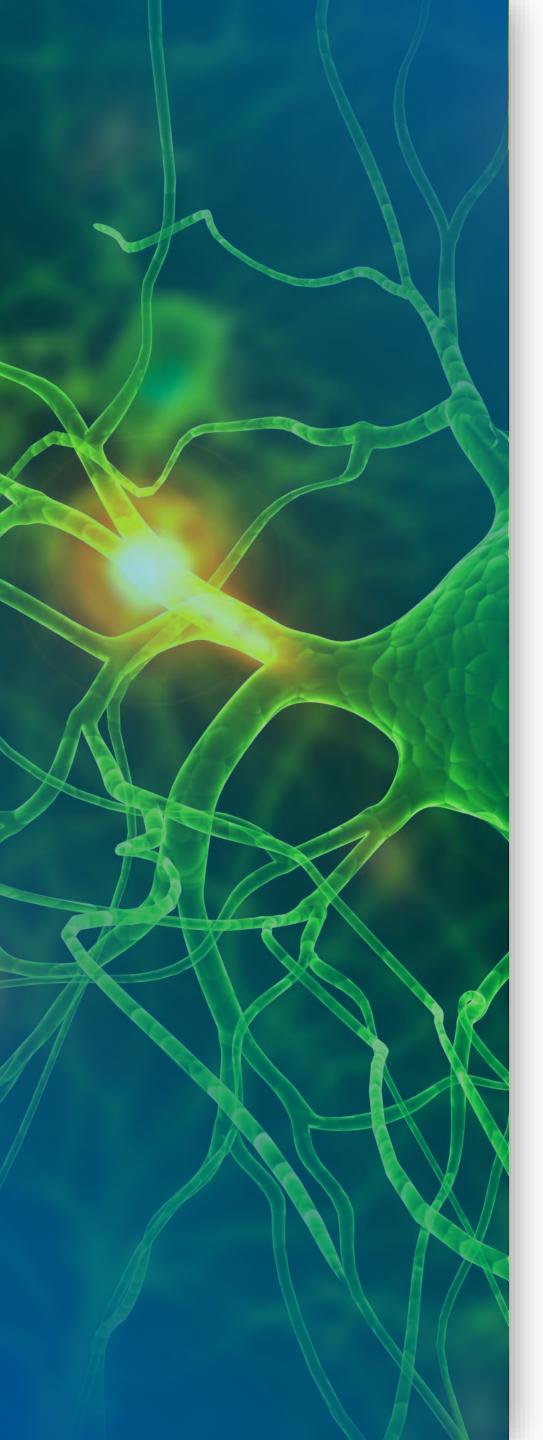
- Began as a program aimed at combatting a growing epidemic of prescription opioid misuse and heroin use nationwide and has expanded to include prevention resources for all drug categories.
- Content sourced from National Institute of Drug Abuse (NIDA) and the Substance Abuse & Mental Health Services Administration (SAMHSA) Center for Substance Abuse Prevention
- Workplace resources and turn-key resources for elementary, middle, and high school classrooms
- O No cost



Your Need

- Make a list.
- Be as specific as possible.
- In your experience, which topics need better resources?
- Anything else you can think of?

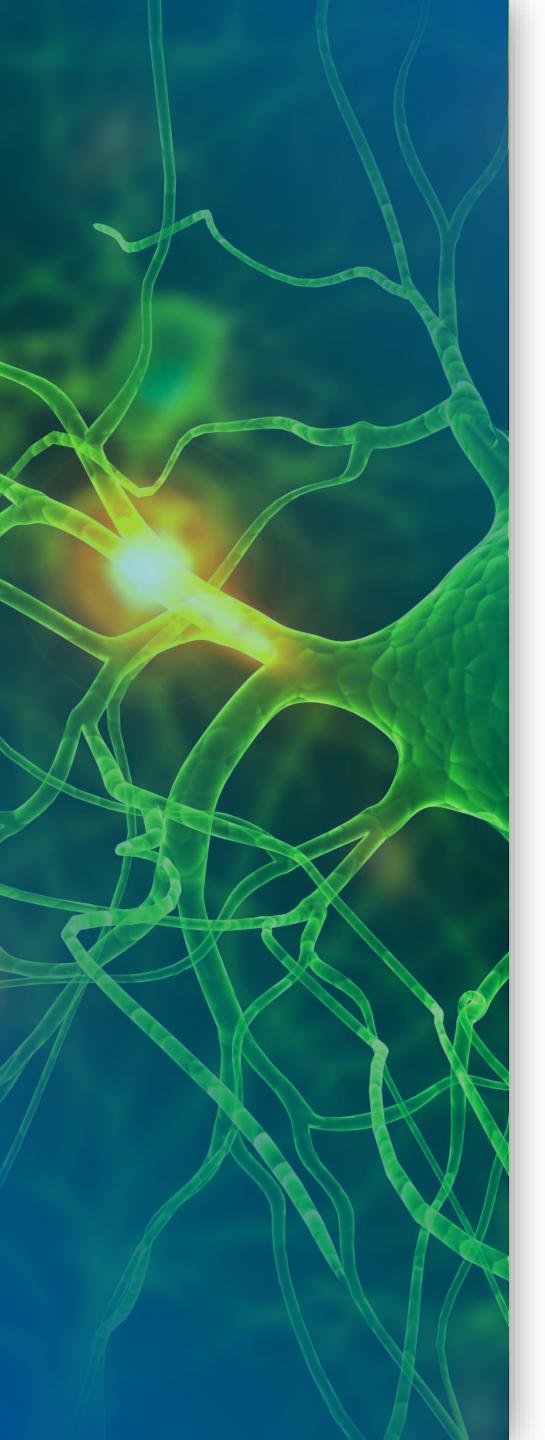




Opioid Misuse Prevention Resources—Refresher

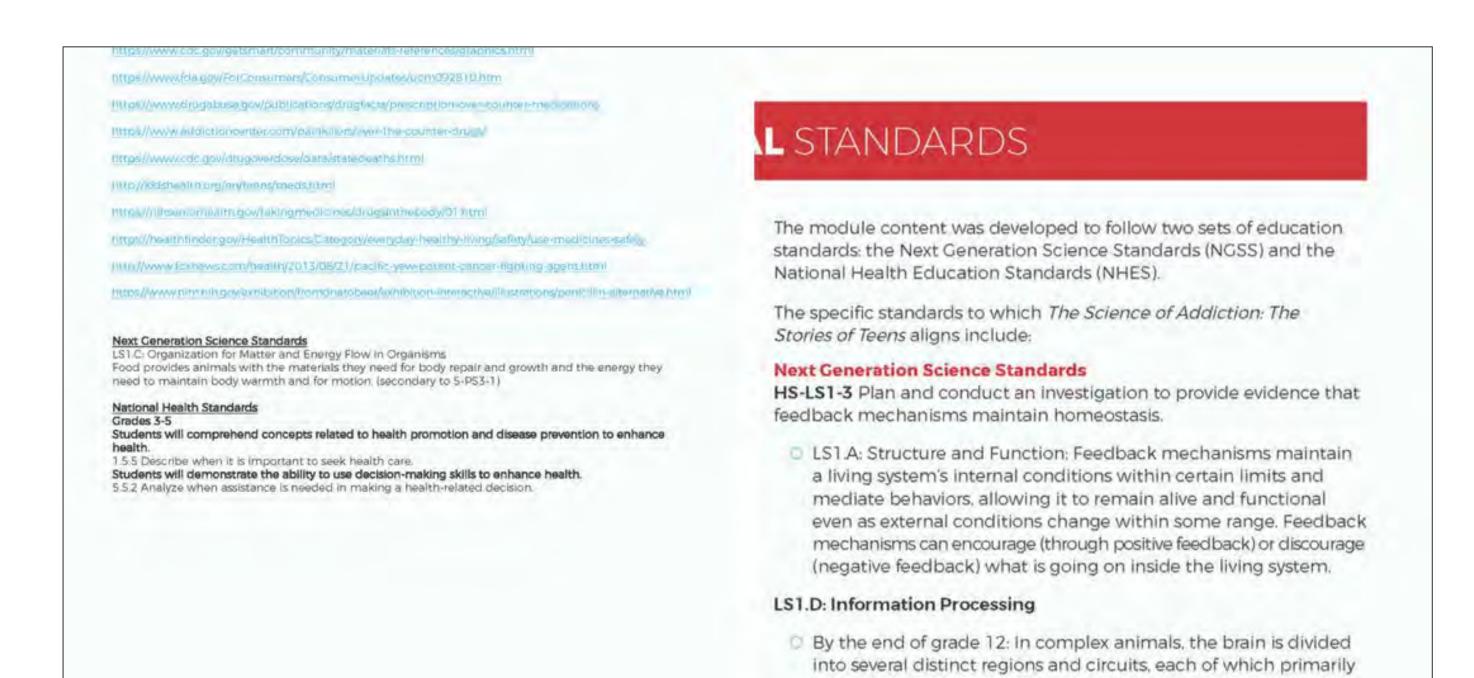
- Interdisciplinary Lessons (Elementary School)
- O Digital Lesson Bundles (Middle & High School)
- O Virtual Field Trip Series
- Student Videos
- Self-Paced e-learning Module*
- O Parent Resource Toolkit*
- O Educator Webinar (On-Demand)

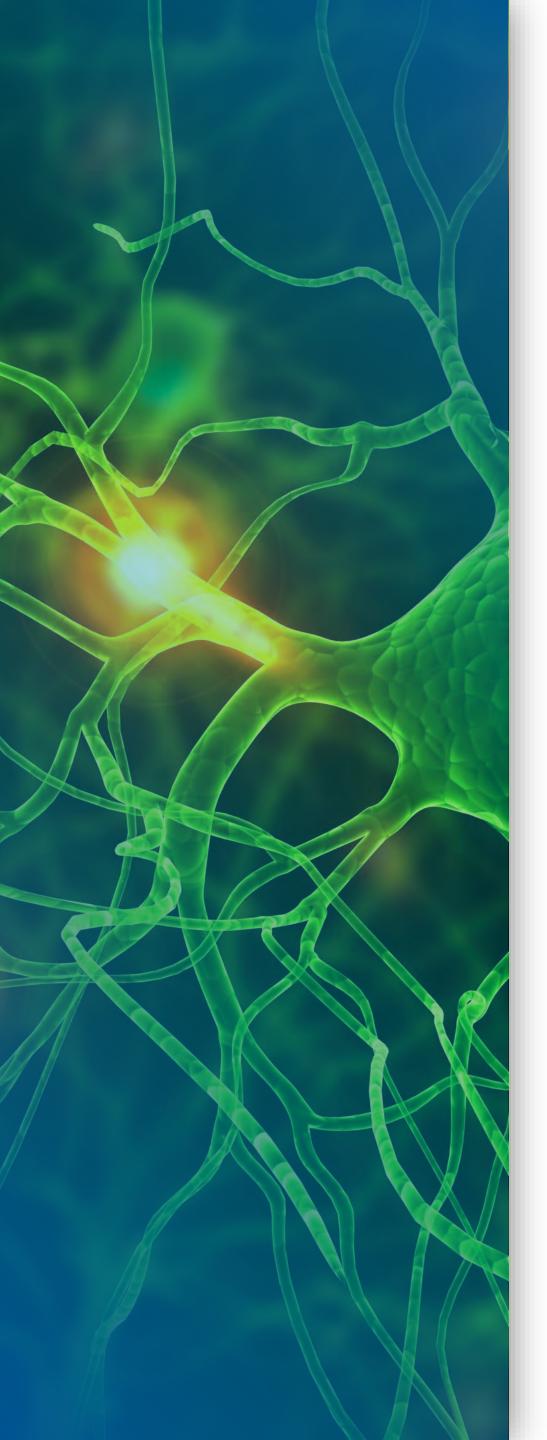
*offered in English and Spanish



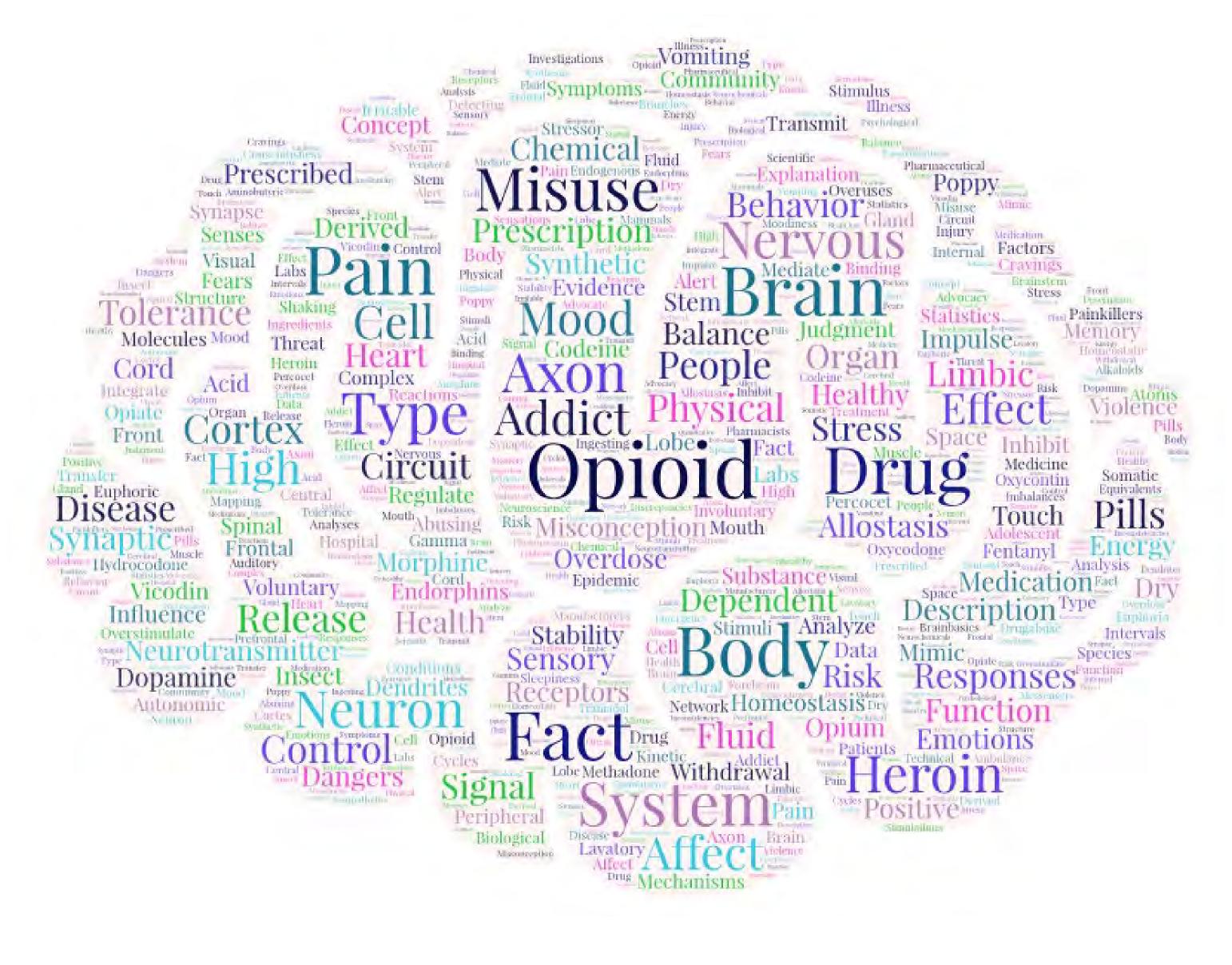
Standards-Based

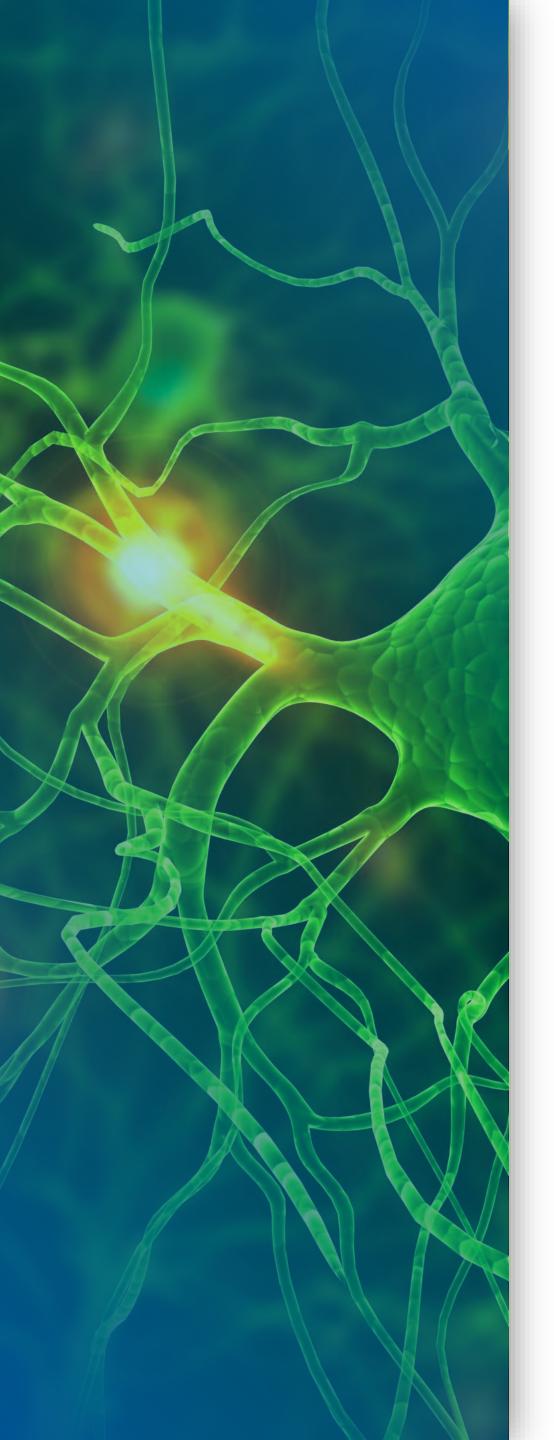
- O Next Generation Science Standards
- O Social & Emotional Learning Standards
- O CCSS English language arts
- National Health Education Standards





Inquiry-Based Science





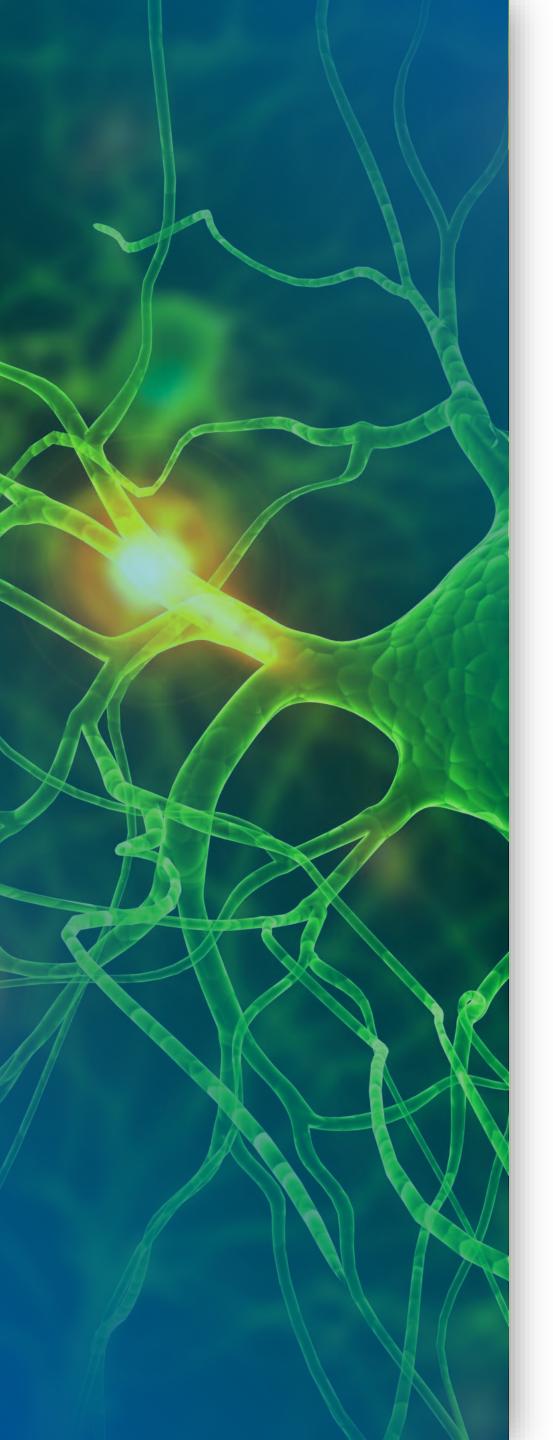
Elaborate:Trauma-Informed Care

- An approach that recognizes the impact of trauma on the body, mind, and relationships
- Creating a space where students feel safe and supported in talking about substance abuse at home or with themselves
- Focuses on overall wellness
- Helps students create buffers from the trauma
- O Practices self-regulation skills
- Self-care for those working with students living with trauma

Operation Prevention Teacher Self-Care



#OPERATIONPREVENTION



Digital Lessons

Elementary School



Proactive Prevention

Over-the-Counter and Prescription
Medications: How do medications
work in our bodies, and why is it so
important to use them responsibly?
Follow medication on a path
through the body to investigate how
they make us feel better with
responsible use.

Download Digital Lesson

Download Educator Guide



Malachi's Medication

In this activity, students will identify and explain the dosage instructions included on a prescription label and conduct an experiment to understand the importance of accurately measuring medication dosage.



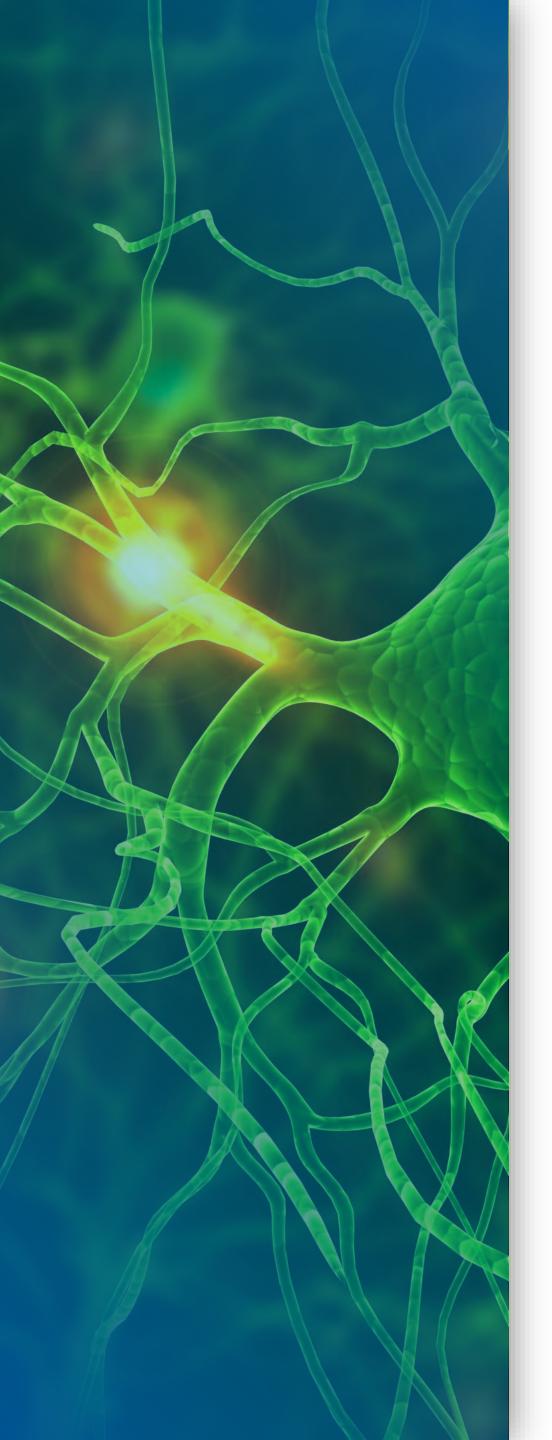




Sarah's Sister

In this activity, students will meet
Sarah and her younger sister who
has gotten hold of medication that
was not properly stored, to
understand the importance of
storing medication safely.

Download Activity



MALACHI'S MEDICATION INVESTIGATION

AME:	
ATE:	

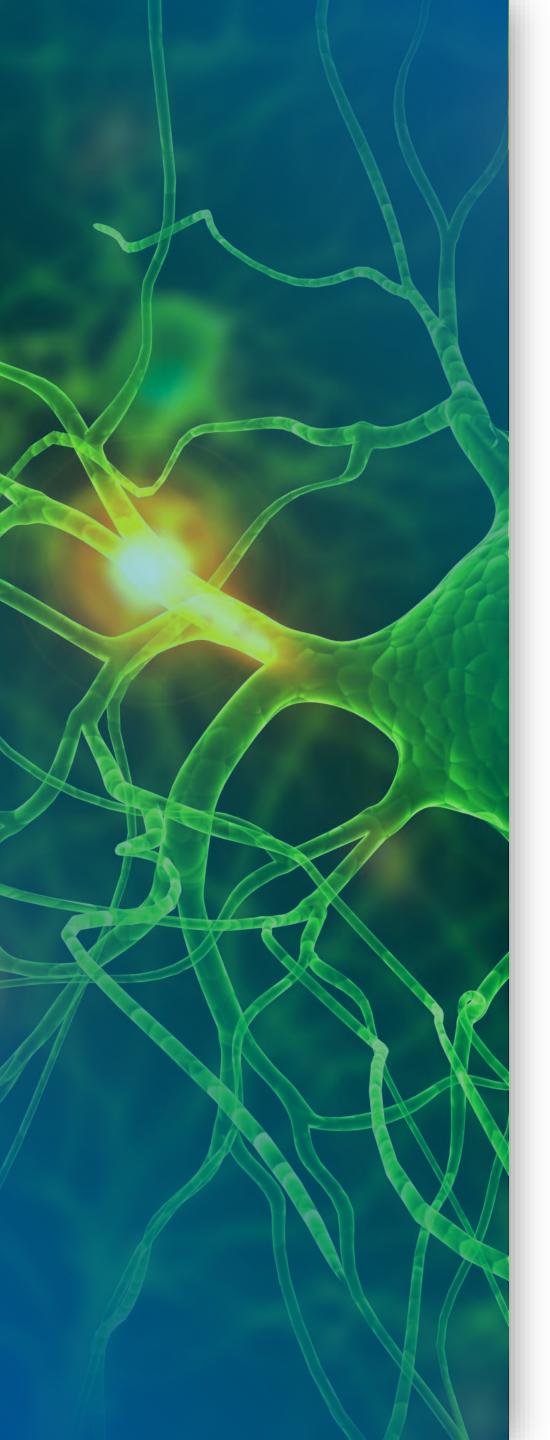
Read the Scenario:

Malachi's doctor prescribed him a medication to treat his strep throat. He is supposed to take 5mL twice a day for ten days. His doctor told his grandfather to use the measuring device provided with his medication, but Malachi doesn't understand why the doctor made a big deal about which measuring device he should use. Your job is to convince Malachi why it is so important to use the proper device to measure his medication.

Make a Prediction:

Circle the device you think Malachi's grandfather should use to most accurately measure Malachi's dosage. Explain why you think he should use this device.





Digital Lessons

Middle School



Our Brain and Body on Opioids

How do addiction and withdrawal affect the body's many systems? Students examine how drug use alters the mind and body and reinforces their understanding by creating a peer-to-peer social media campaign.

- Download Digital Lesson
- Download Educator Guide



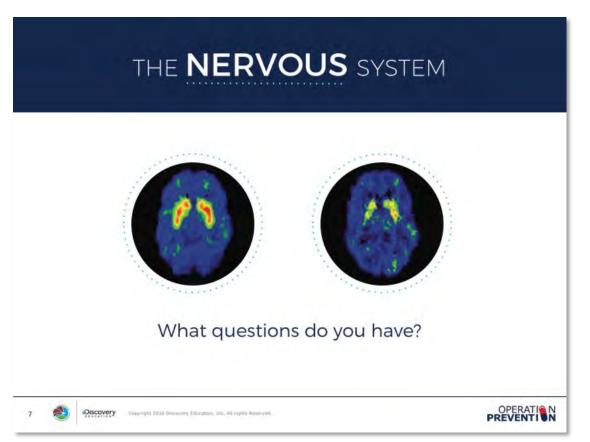
Is our Community Influenced by the Opioid Epidemic?

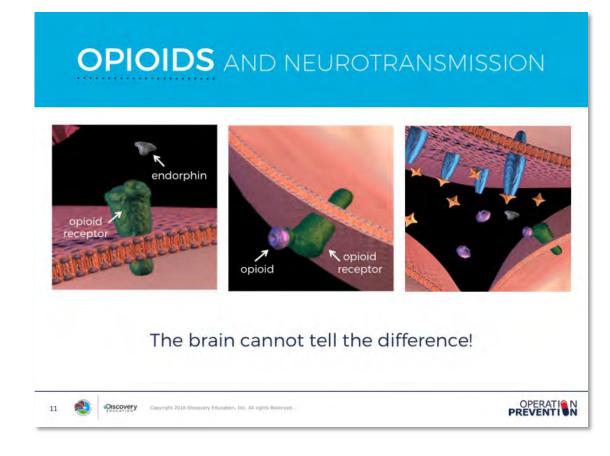
Students will examine why people turn to opioids and act as investigative reporters to consider the who, what, when, where, why, and how of opioid use and misuse.

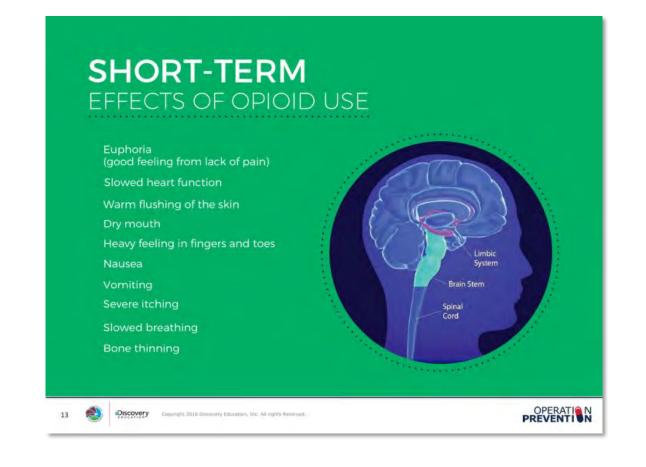
- Download Digital Lesson
- Download Educator Guide

USING OUR BRAIN AND BODY ON OPIOIDS

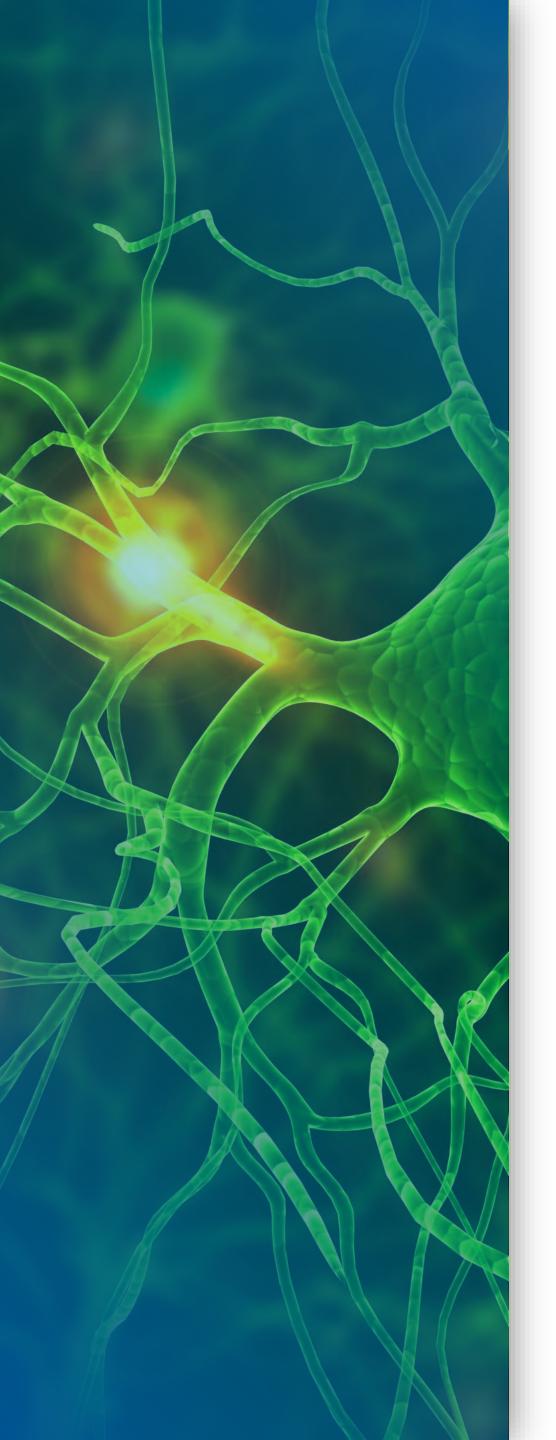












Digital Lessons

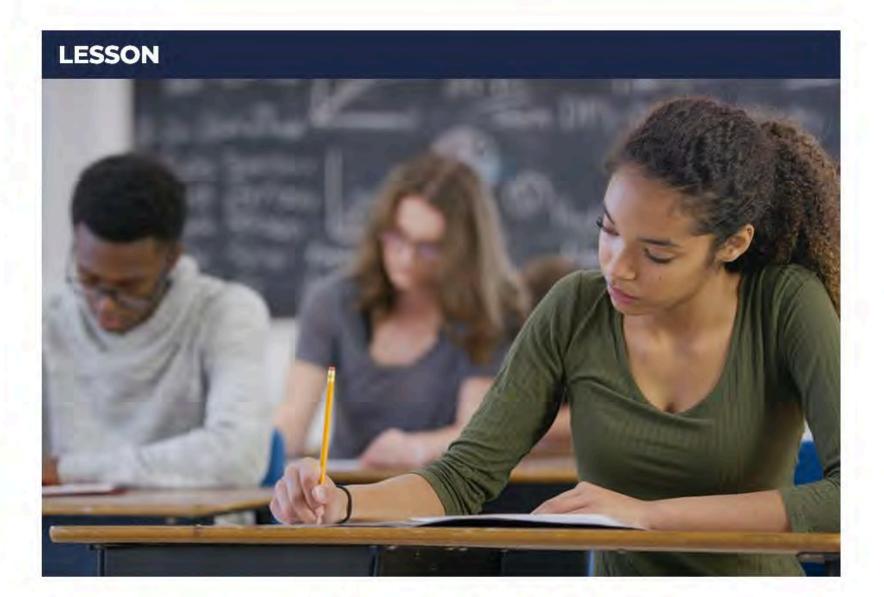
High School



Opioid Use: The Signs. The Symptoms. The Science

Separate fact from fiction with this classroom-ready digital lesson. Through investigation and hands-on activities, students learn the science behind prescription opioid and heroin addiction, overdose, and withdrawal.

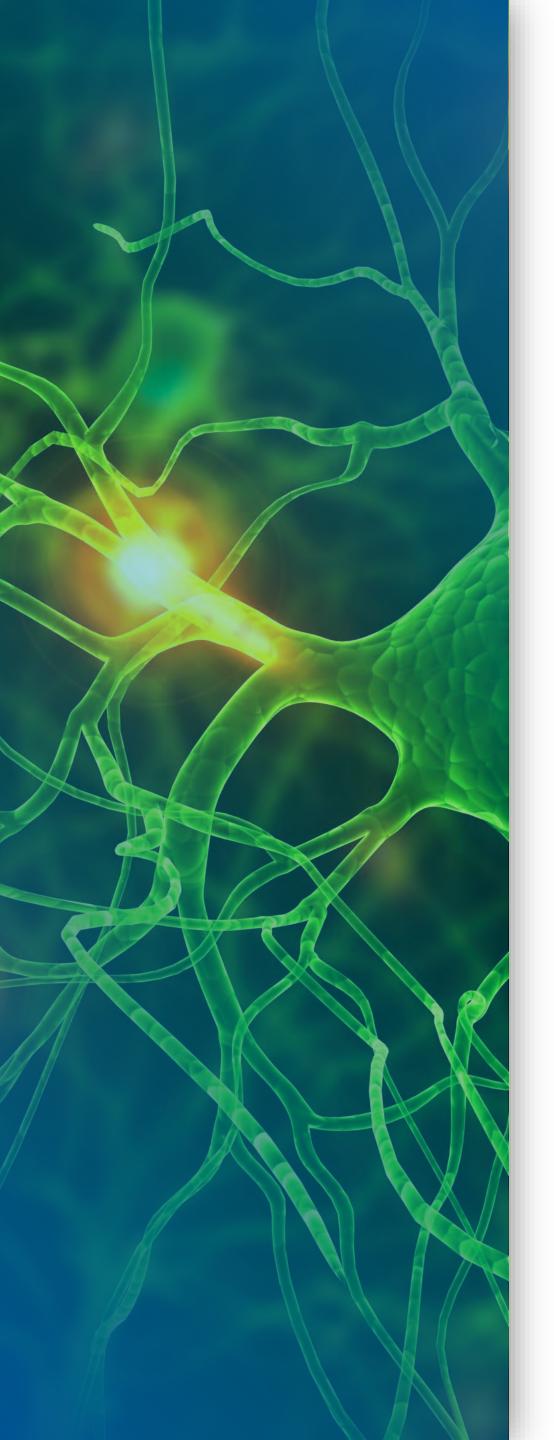
- Download Digital Lesson
- Download Educator Guide



Reporting on a Public Health Crisis: Opioids in the Community

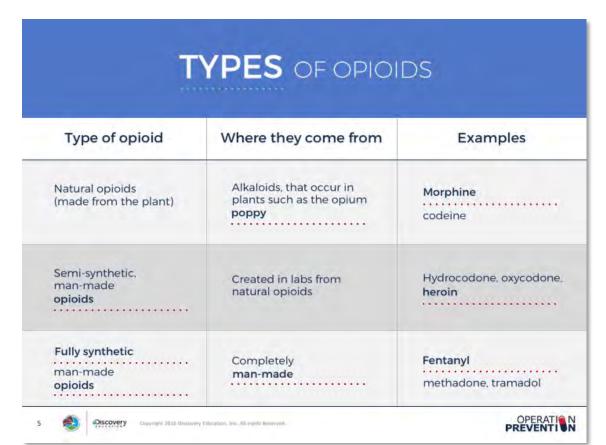
Students will investigate how the opioid epidemic impacts their community acting as investigative reporters to investigate the who, what, when, where, why, and how of opioid use and misuse.

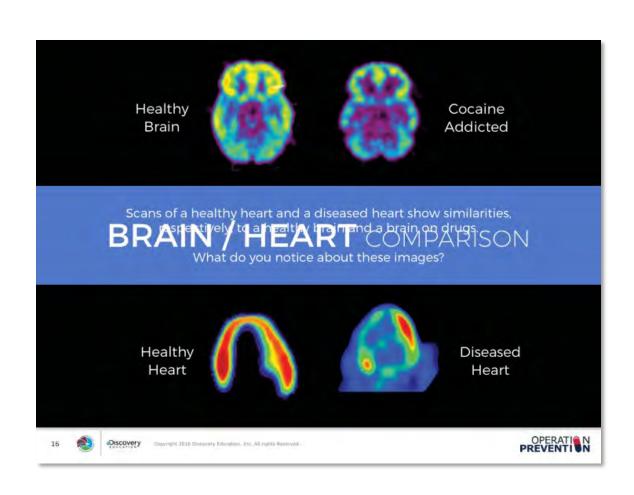
- Download Digital Lesson
- Download Educator Guide



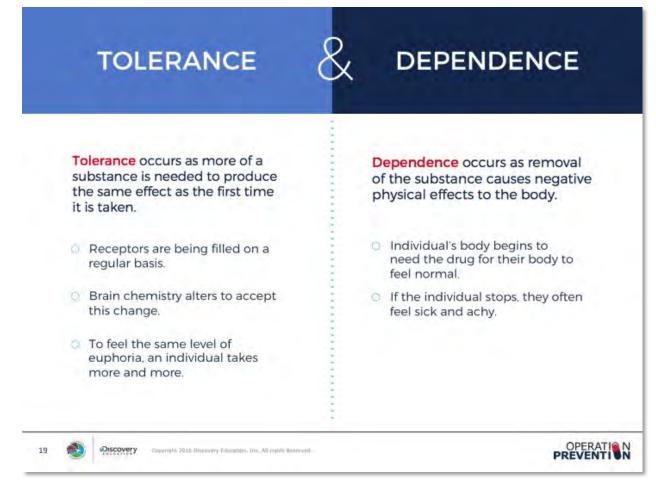
USING OPIOID USE: The Signs. The Symptoms. The Science.

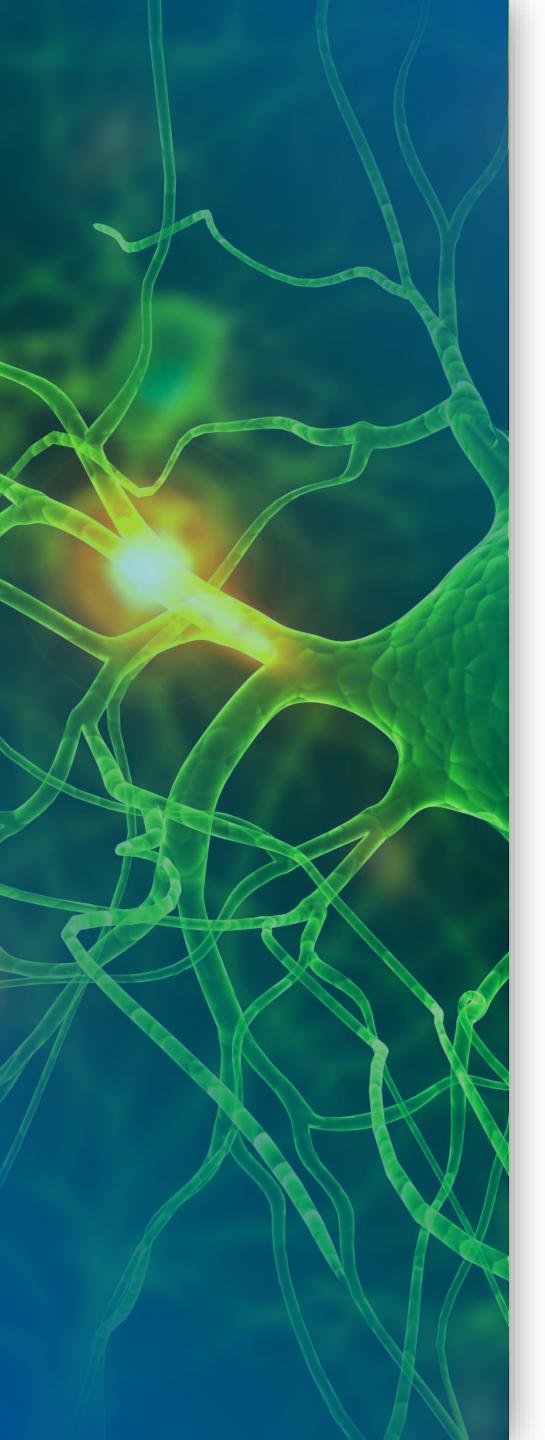












Virtual Field Trips

The Science Behind Opioid Addiction



Full Length 47 minutes
Intro 03:51
A Special Agent's Take 05:28
Chemistry 05:58
Neuroscience 08:14
Brain Functions 04:10
Personal Experiences 11:09
Moving Forward 04:52

On the Frontlines: A Community Fighting Back

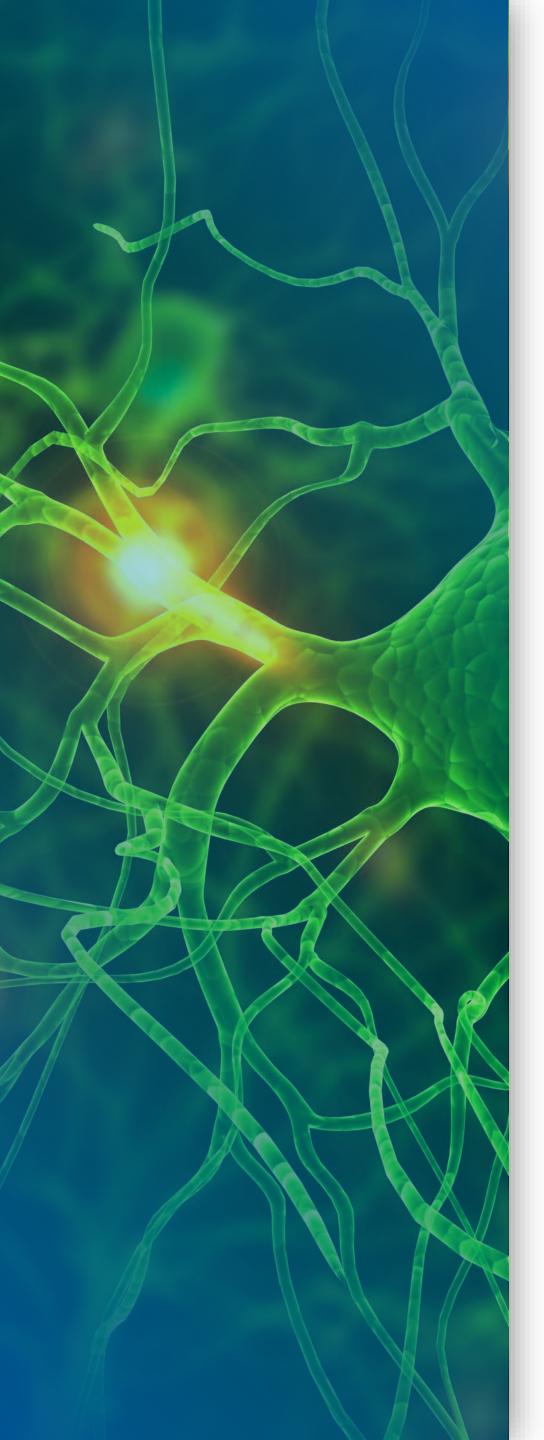


Full Length 47 minutes 03:51 Intro A Special Agent's Take 05:28 Chemistry 05:58 Neuroscience 08:14 **Brain Functions** 04:10 **Personal Experiences** 11:09 **Moving Forward** 04:52

Opioids: Real People. Real Stories. Real Science



Full Length 33 minutes
Donna's Story 05:33
Levi & Lyle's Story 09:43
Angie's Story 06:45
Carl's Story 11:27



Student Videos



Competition Archives

Check out the finalists and winners from previous years' Video Challenges! These incredible videos were selected from hundreds of entries for their creativity and impactful messages about the dangers of prescription opioid misuse and heroin use. Congratulations to the winners and finalists.

2019

2018 2017



GRAND PRIZE AND PEOPLE'S CHOICE WINNER

2019

Dalton S., Jackson H., Yanely L., Brian W. in Manchester, TN



2ND PLACE
2019
Aria K. in Worcester, MA



3RD PLACE
2019

Jake S. in Cody, WY



FINALIST
2019
Sebastian N. in Middletown, CT



FINALIST

2019

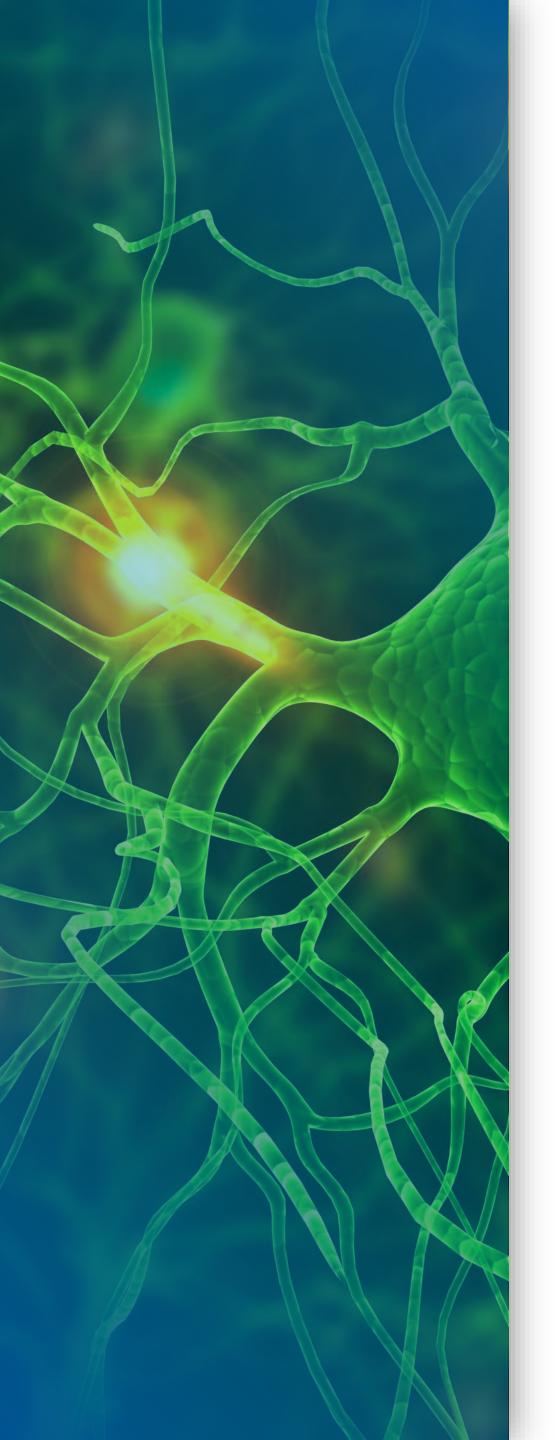
Olivia H. in Darien, GA



FINALIST

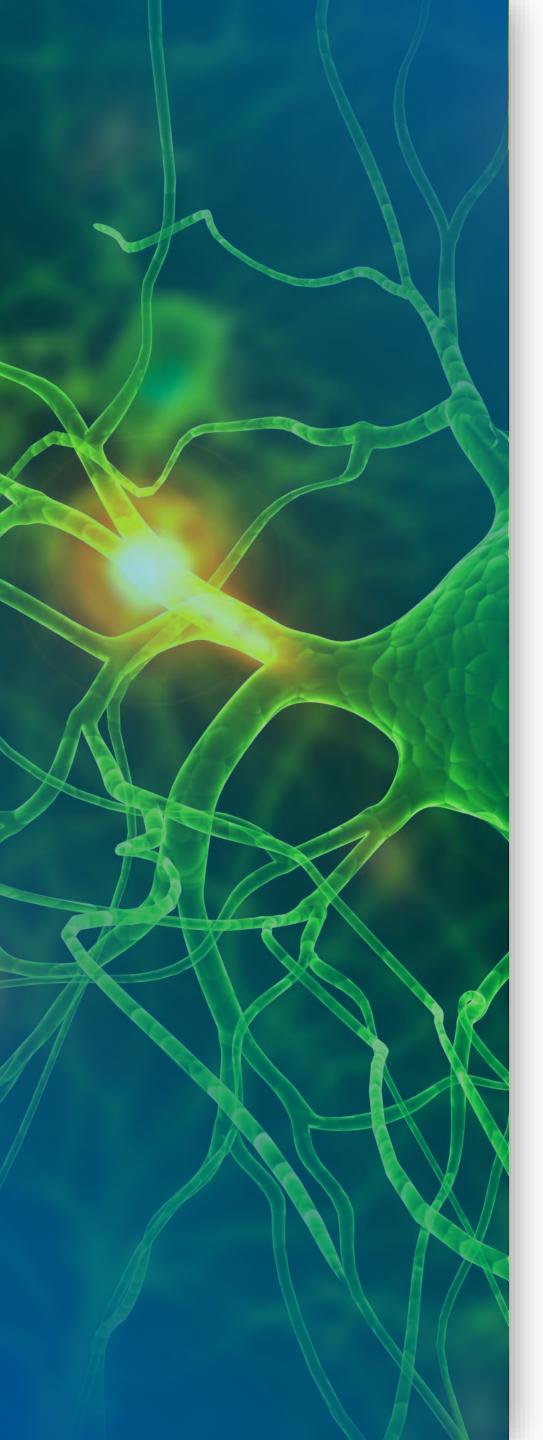
2019

Mia L., Ava L. in Blacksburg, VA



Self-Paced Module





Parent Tool Kit

SECTION 2 START THE DISCUSSION



DISCUSSION STARTERS

You may want to have a discussion with your child about this important issue but aren't quite sure where to start. Keep the lines of communication open by engaging in regular conversations. One-on-one conversations may not always yield the results you would like. Be patient and keep initiating conversations.

Here are some possible conversation starters:

There's a lot in the news lately about teens who are misusing prescription drugs. How much do you know about this? Do you know if kids at your school are taking prescription drugs like OxyContin® and Percocet® that were not prescribed for them?

O Sometimes teens will try to opt out of this conversation because they don't want to share specific information about friends or peers. In this case, you can be ready with a story about your own teenage years and someone you knew or something that happened pertaining to drug use during that time. Talk about how you felt, and then ask what they would have thought had they experienced something similar. This is also an opportunity to talk about why this behavior is so dangerous.

I just heard a report about drug use by teenagers, and I wanted to talk to you about what it said...

Briefly summarize the report and talk honestly about how it makes you feel. Your child may be reluctant to talk about specific people they know, so make it clear that you are not fishing for information to get someone in trouble.



There is so much on the news today about people misusing prescription drugs. Are you aware of what can happen when people misuse medicine prescribed by doctors?

If your child is not presently taking any medication, they may question the need to discuss this issue. Explain that people who misuse prescription drugs often don't have a prescription. Friends and family can supply the drugs—intentionally or inadvertently, when people leave old prescriptions in their medicine cabinets.

I see that your school has been taking part in a drug prevention program. There is so much in the news right now, and I am not sure I understand all of it. What have you learned from this program?

This approach can be useful for children who are reluctant to talk about their personal feelings or relationships. Get the conversation started by asking your child to explain factual or scientific knowledge for example, how opioids relieve pain and cause addiction—and listen for opportunities to ask follow-up questions.

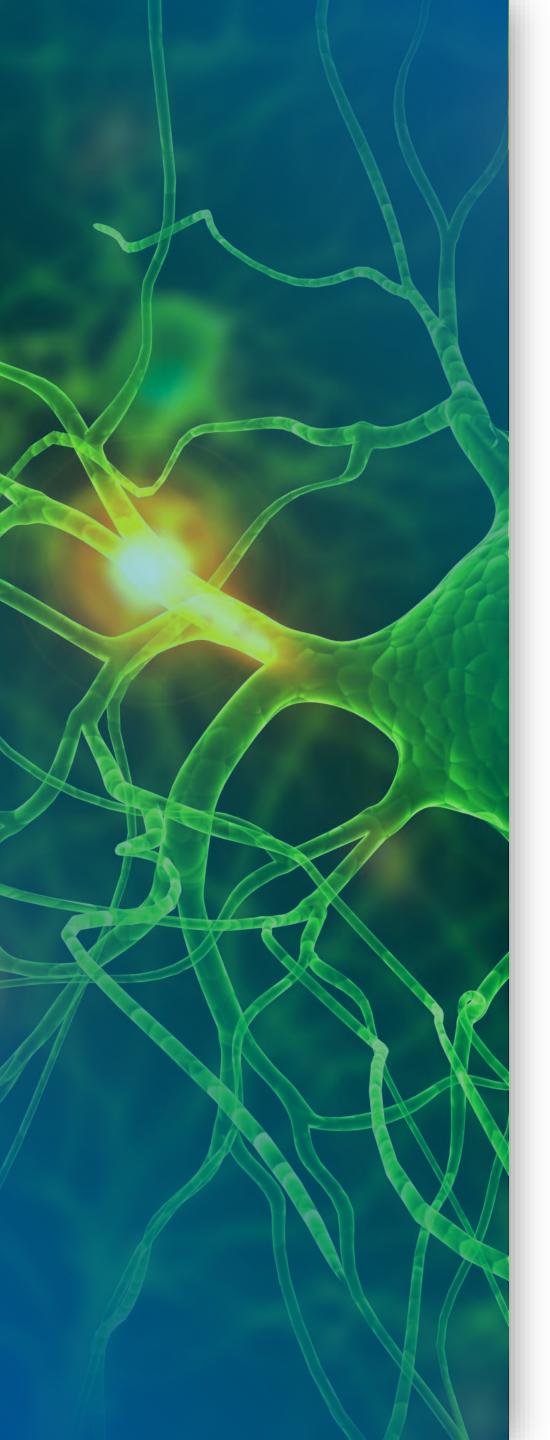
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page 6

PDF resource available for download from website

- Signs and effects of opioid misuse
- Discussion points
- Role-playing guides
- Myths and misconceptions
- Refusal techniques
- Available in Spanish

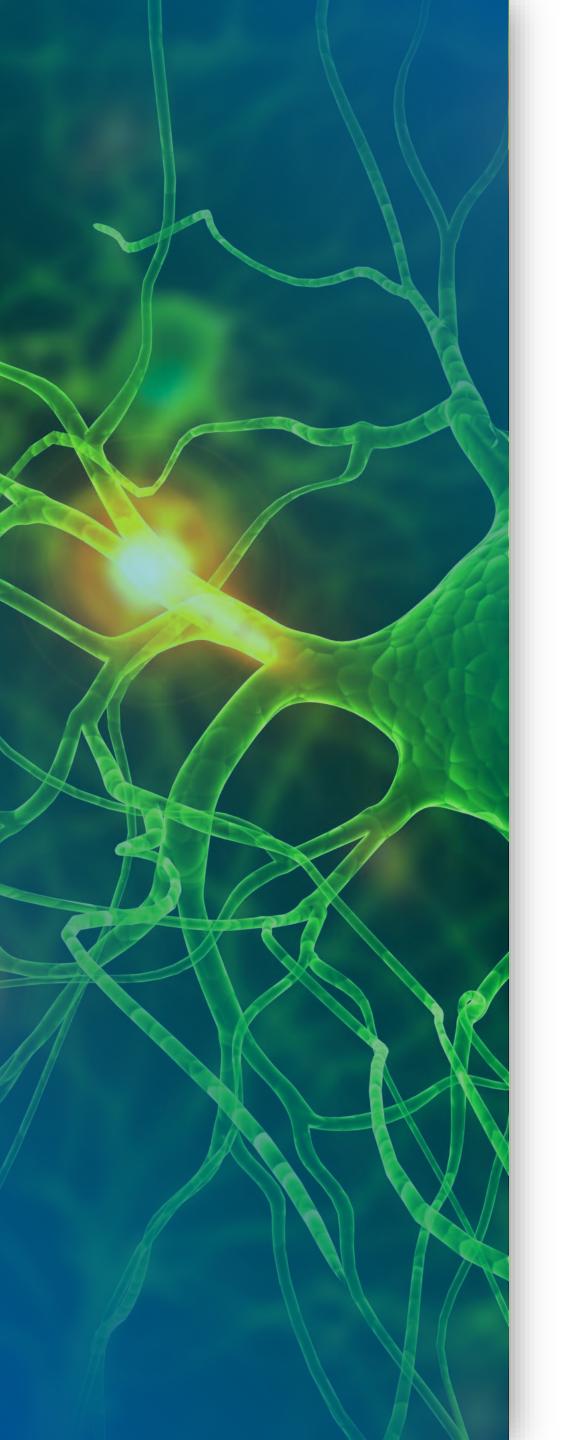
For hard copies email: Cathleen.R.Drew@usdoj.gov



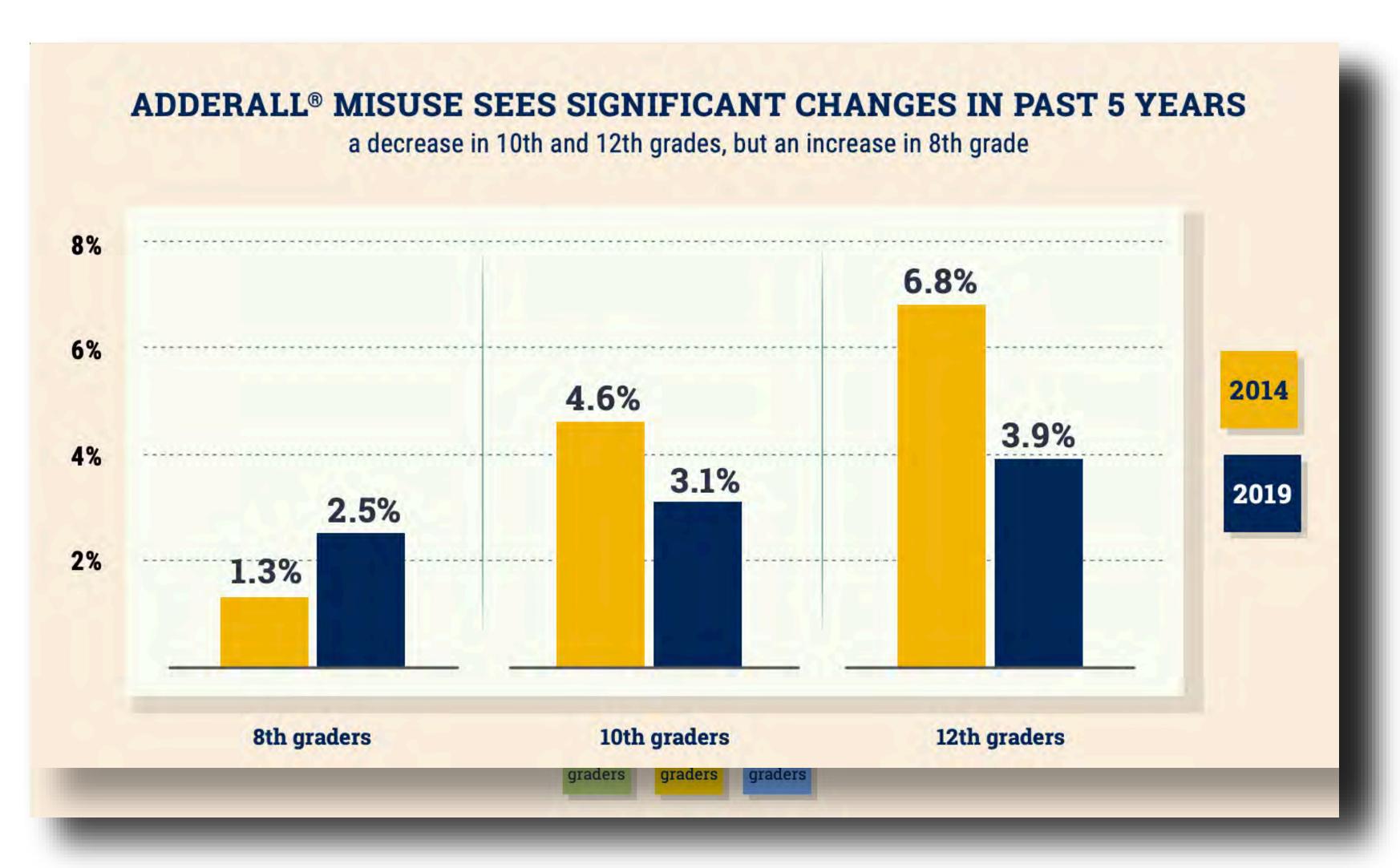
Multi-Drug Misuse Prevention Resources

Why?

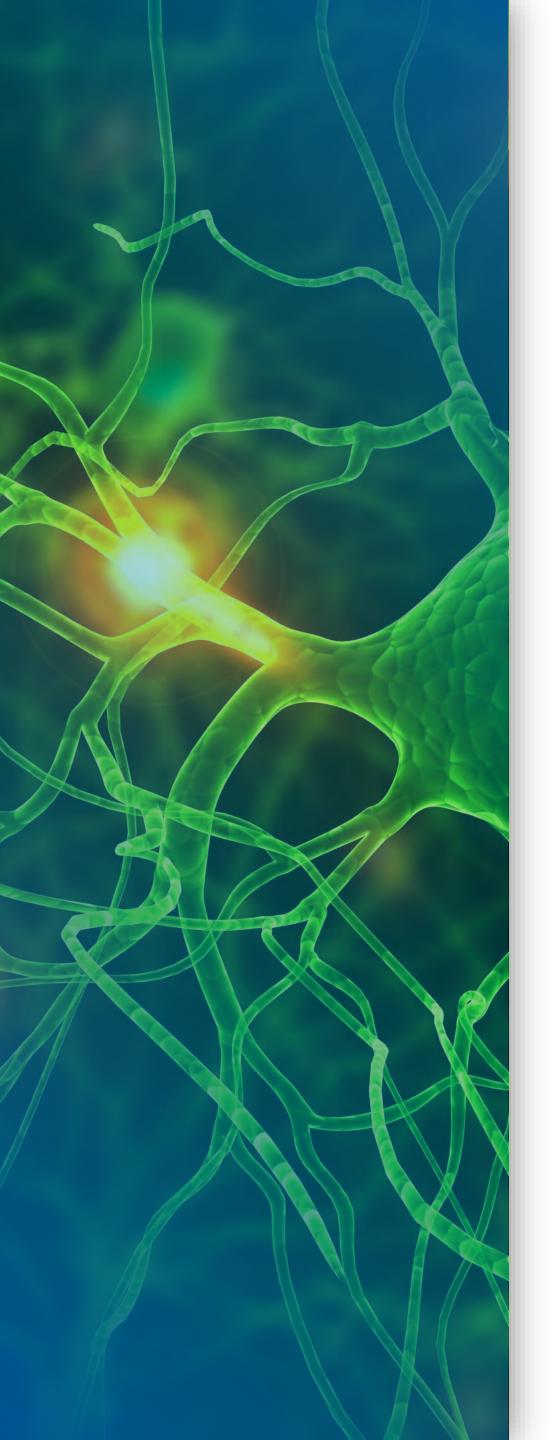
It's not just an opioid problem



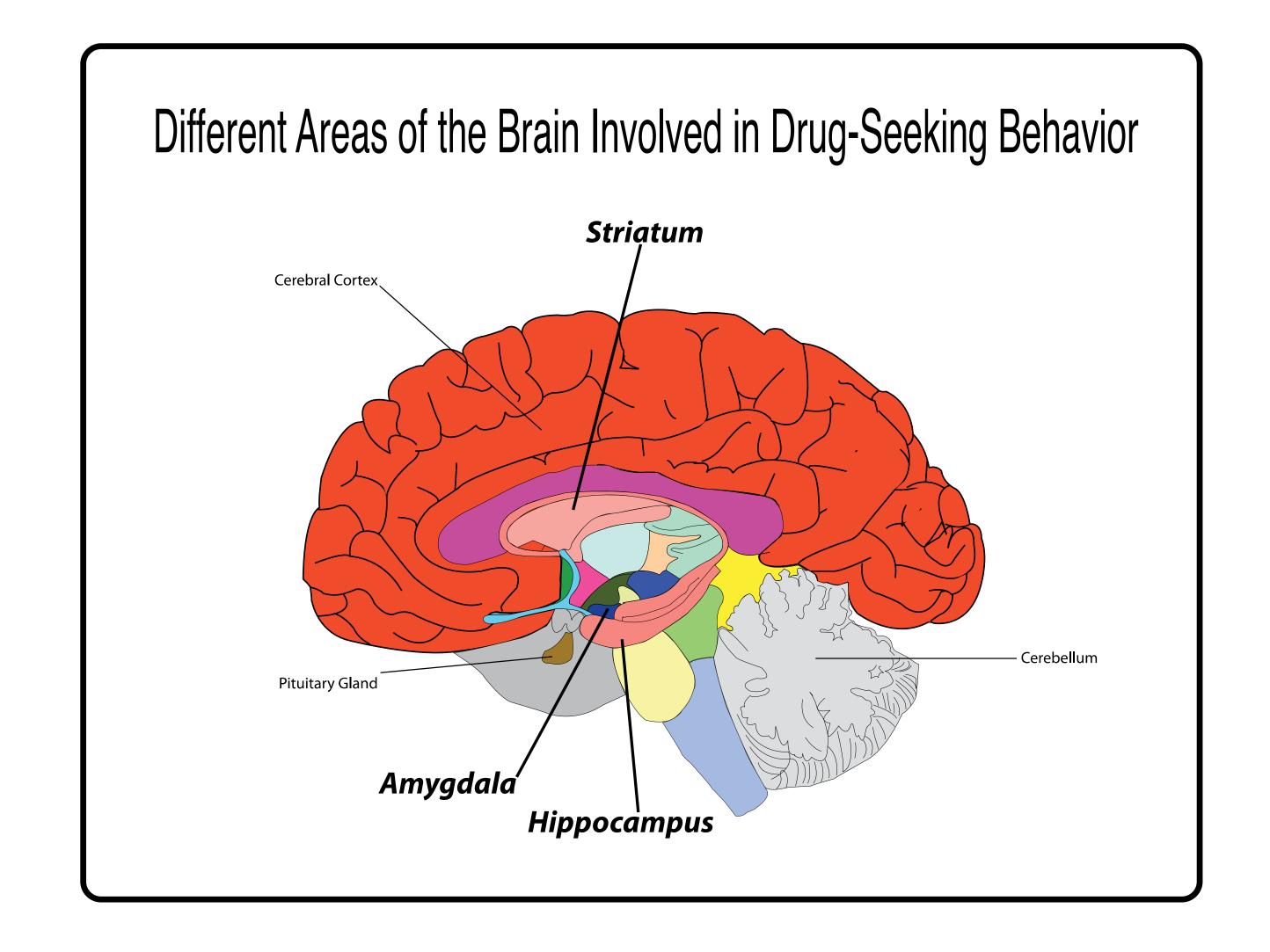
Usage Trends

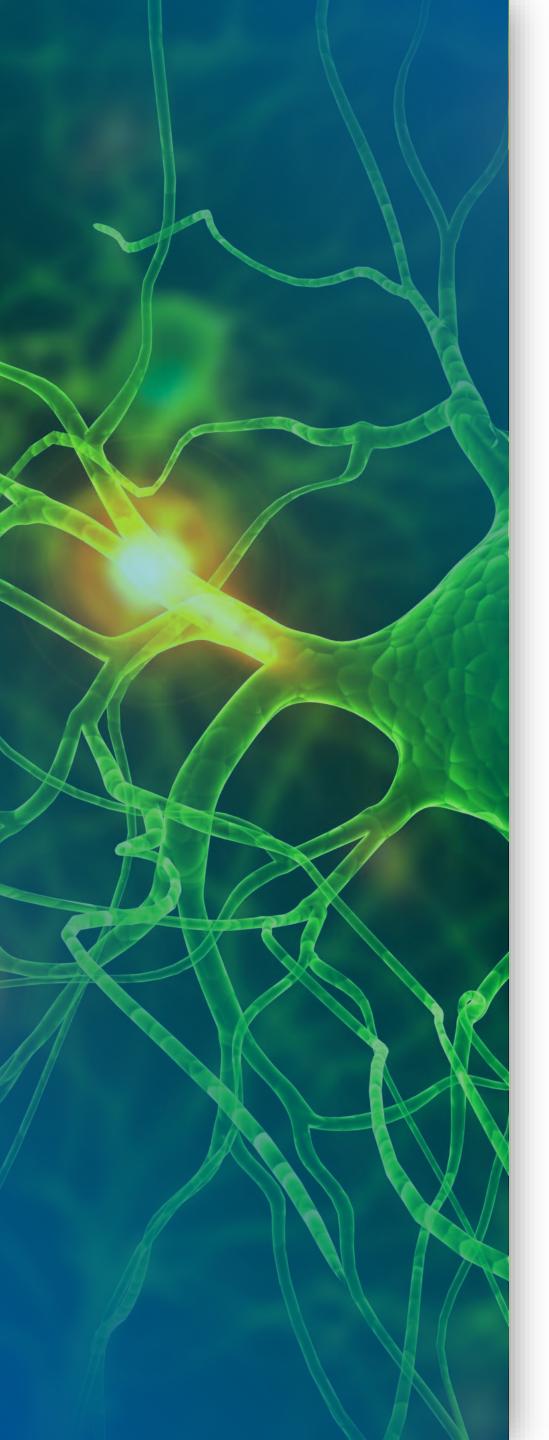


Monitoring the Future 2019 Survey Results (NIDA)



Multi-Drug Misuse Prevention Resources Why? It's brain science!

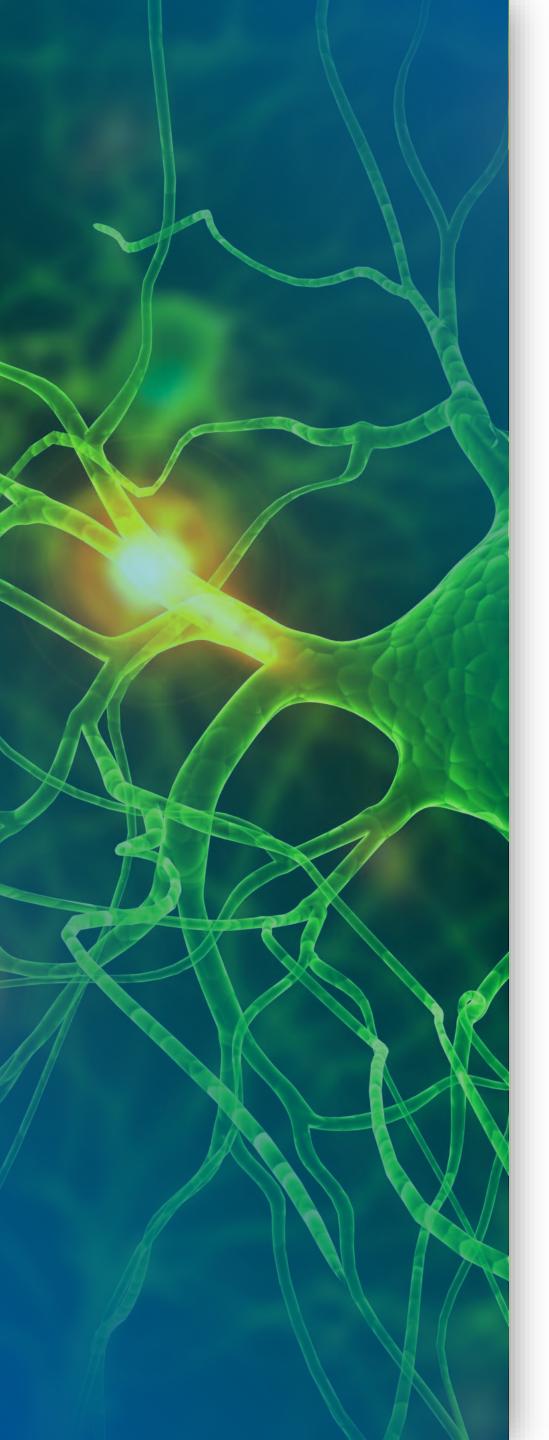




Multi-Drug Misuse Prevention Resources

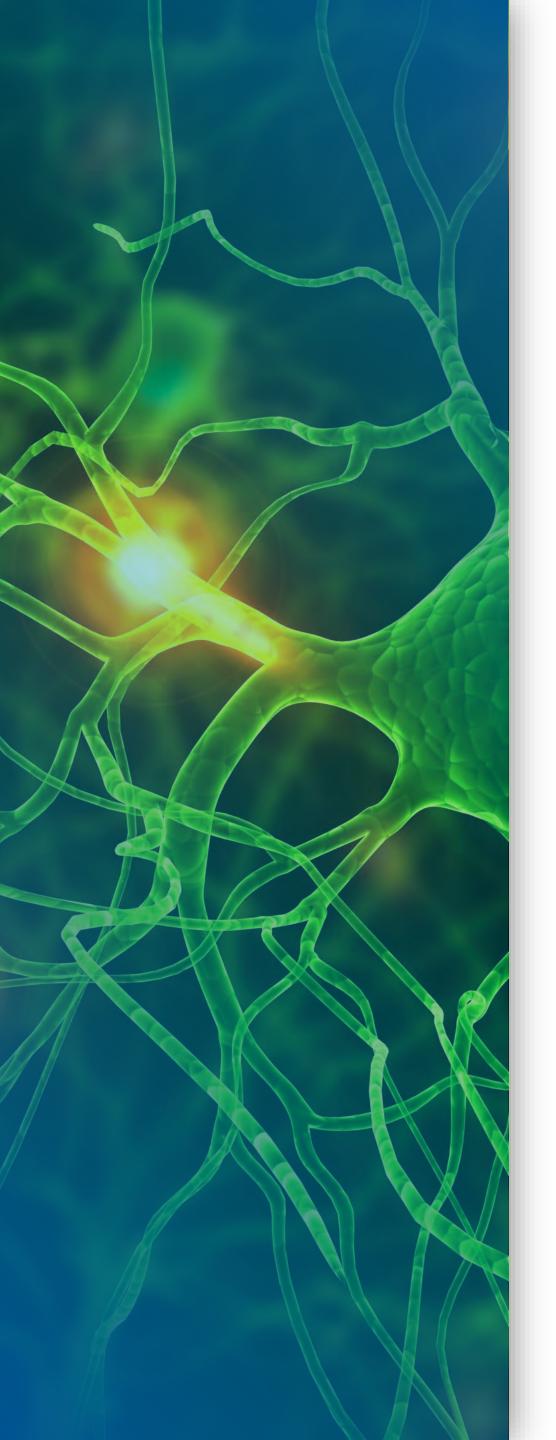
What's available?

- Video Topic Series
- Topic Series Activities
- Educator Guide



Video Topic Series





Topic Series Activities

- Grades 3–8
- 30–45 min.
- Standards (ELA, NHS)

- Elementary school materials
- Middle school materials



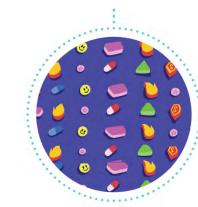
Depressants



Marijuana



Hallucinogens



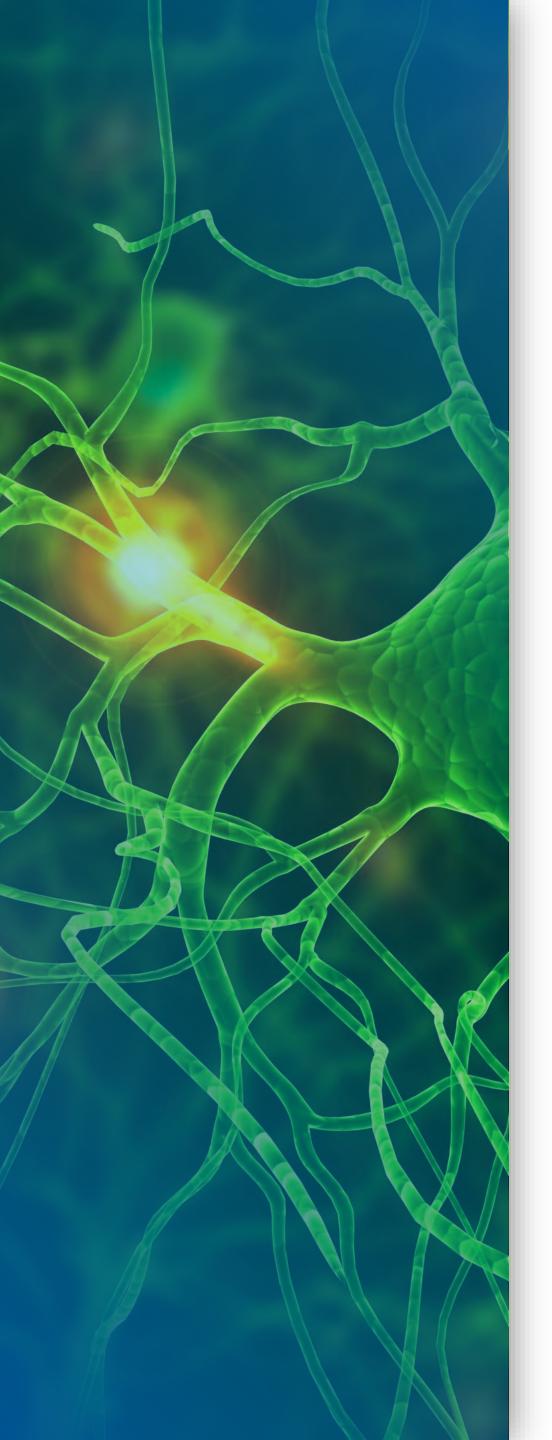
Stimulants



Inhalants



Steroids



Topic Series Activities



Depressants

- Analyze sources and synthesize information on depressants' impact on the brain and the body
- Create a summary paragraph to explain the impact of depressants on the body and the brain



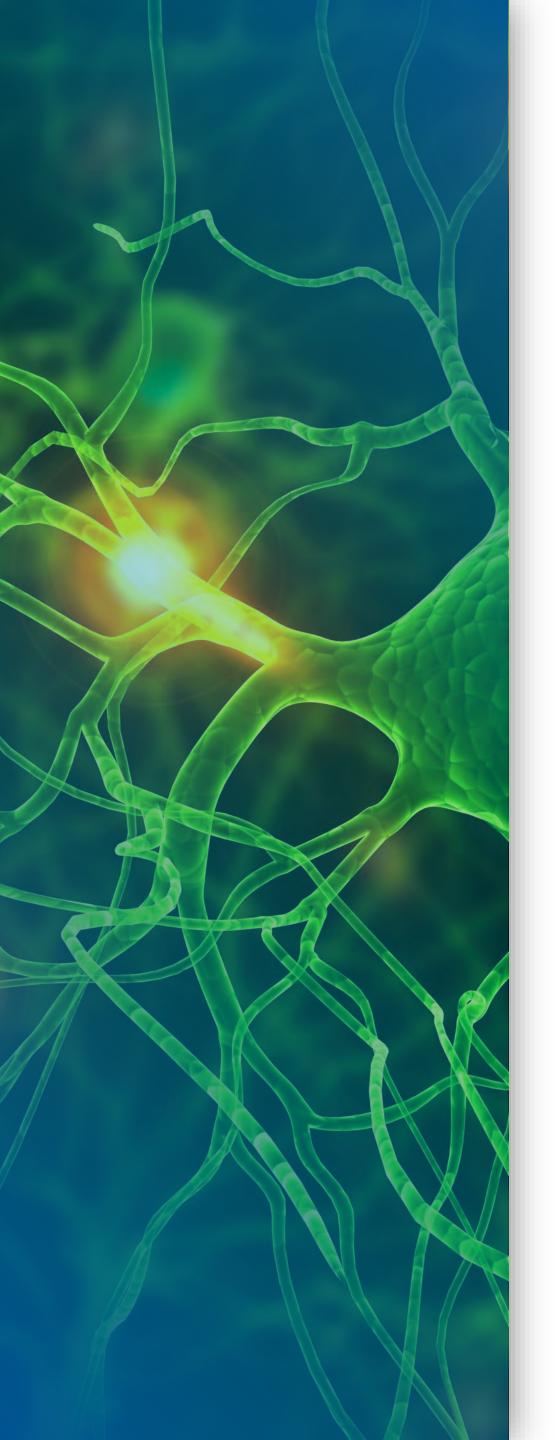
Hallucinogens

- Research hallucinogens and create an infographic poster highlighting the impact on the brain and body
- Synthesize informational text by using a close reading protocol



Inhalants

- Use creative writing to explain how inhalants impact the brain and the body
- Synthesize information from sources

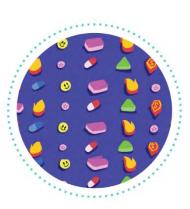


Topic Series Activities



Marijuana

- Analyze the impact of marijuana by using info text to chart how THC affects the brain
- Create their own questions about the impact of marijuana on the brain and the body to drive engagement



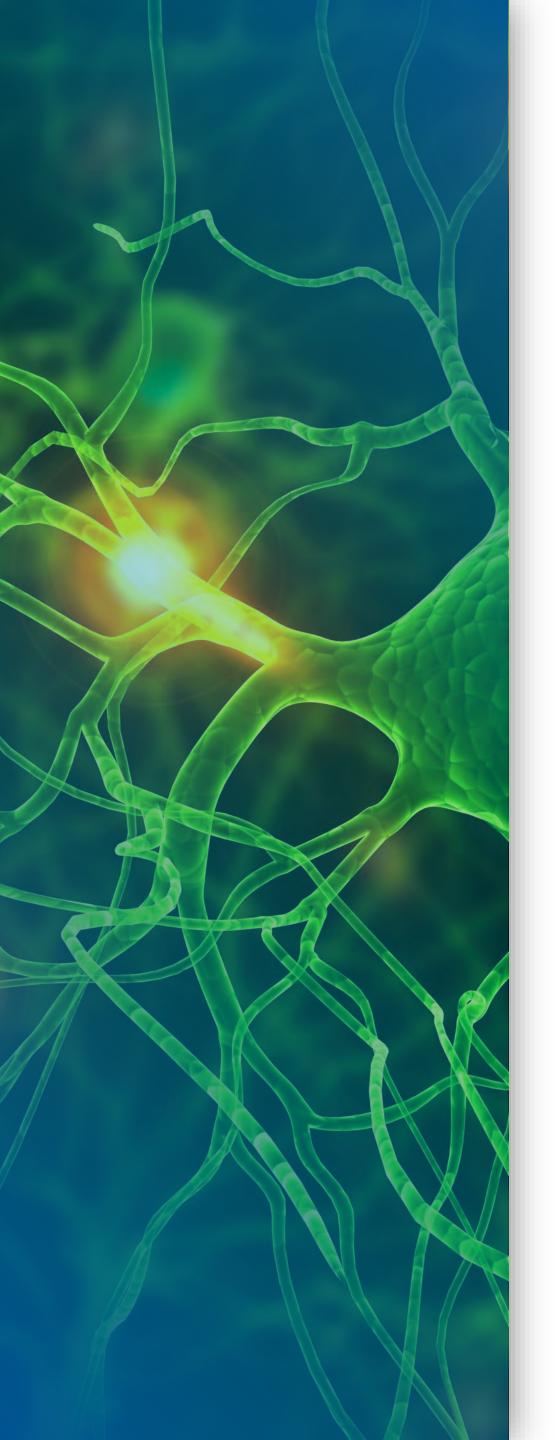
Stimulants

- Create refusal skits that highlight strategies for avoiding health risks like the use of stimulants
- Develop questions that help engage in learning about stimulants

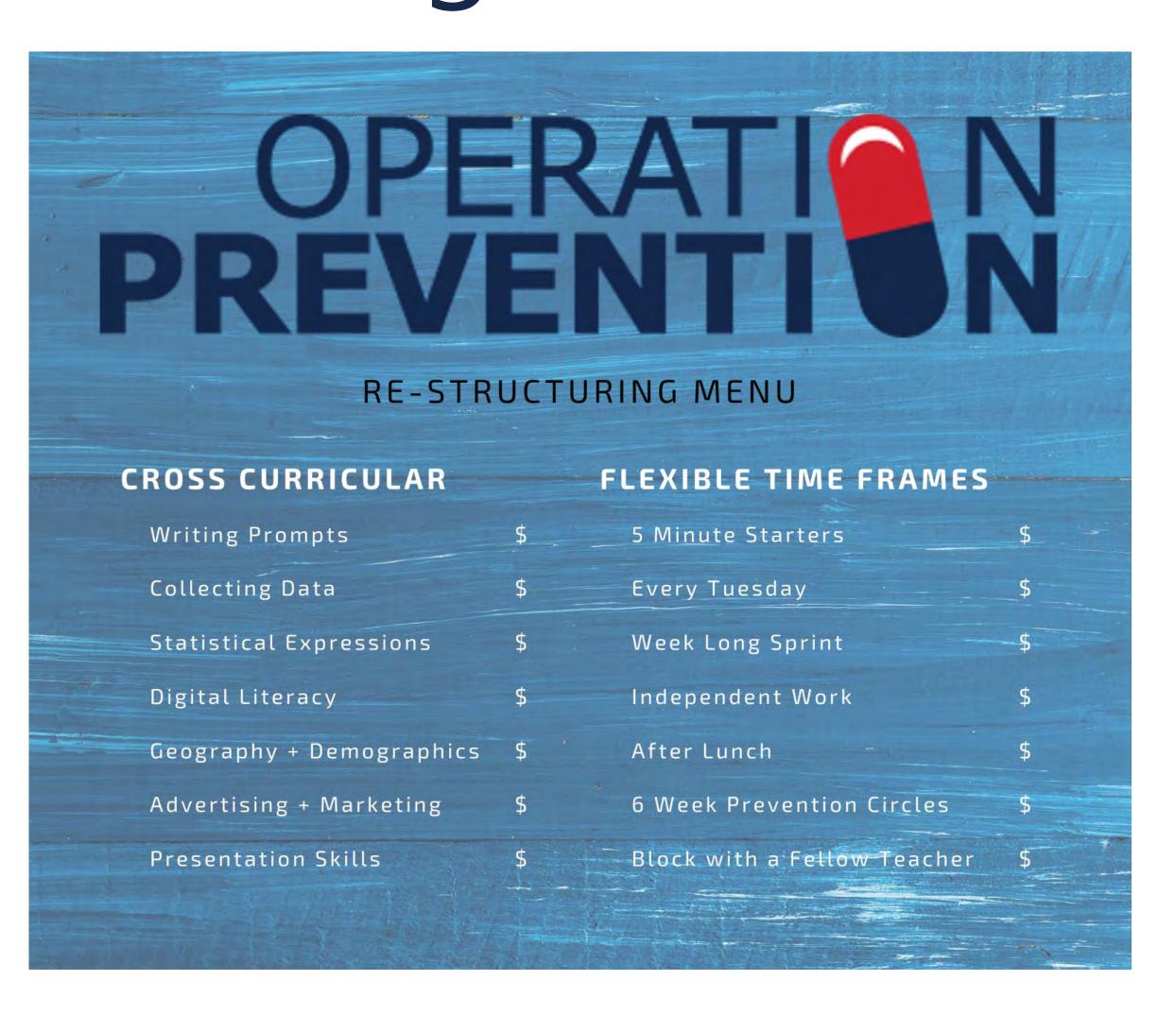


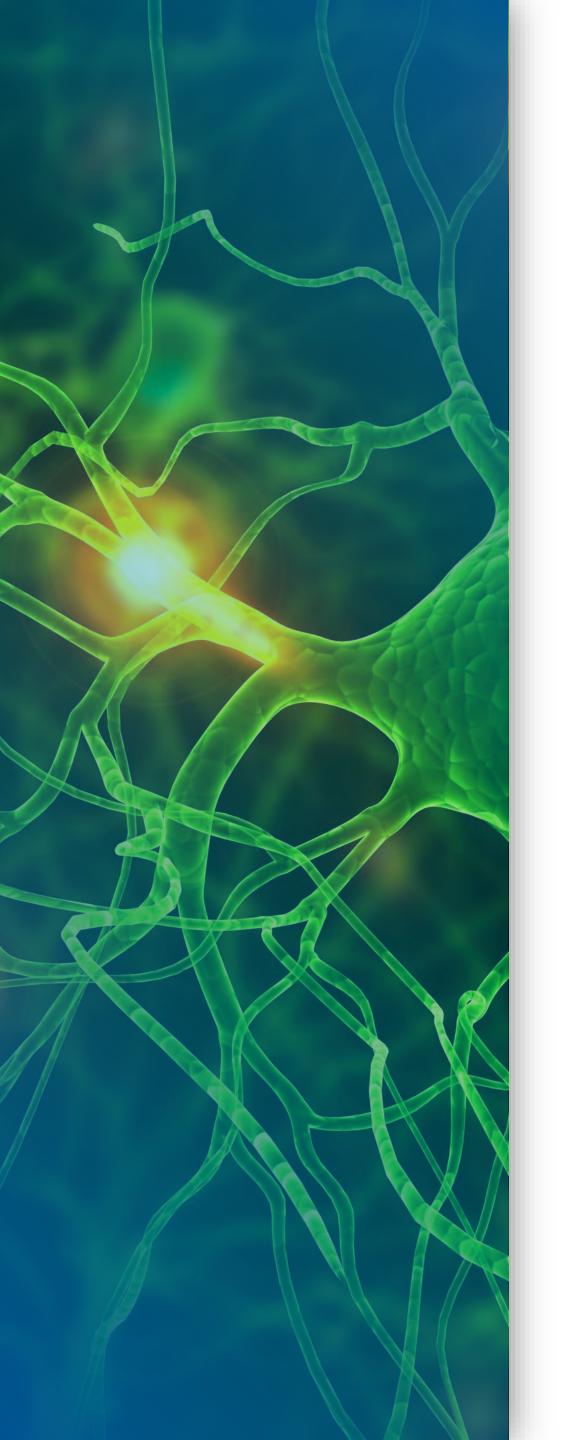
Steroids

- Evaluate the impact of steroids on the brain and the body by investigating current information in their reporter's notebook
- Use informational text to write an editorial on the impact of steroids on the brain and body

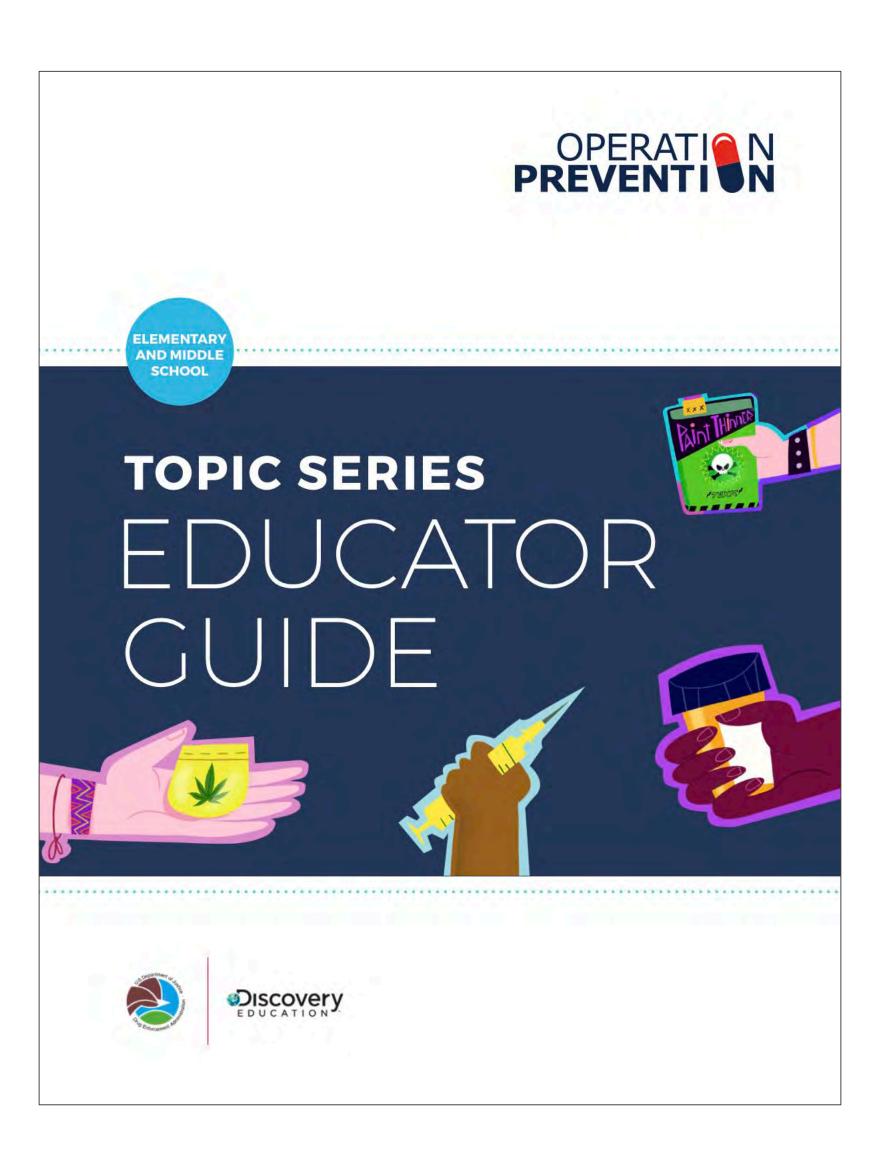


Re-Structuring Menu for Remote Learning

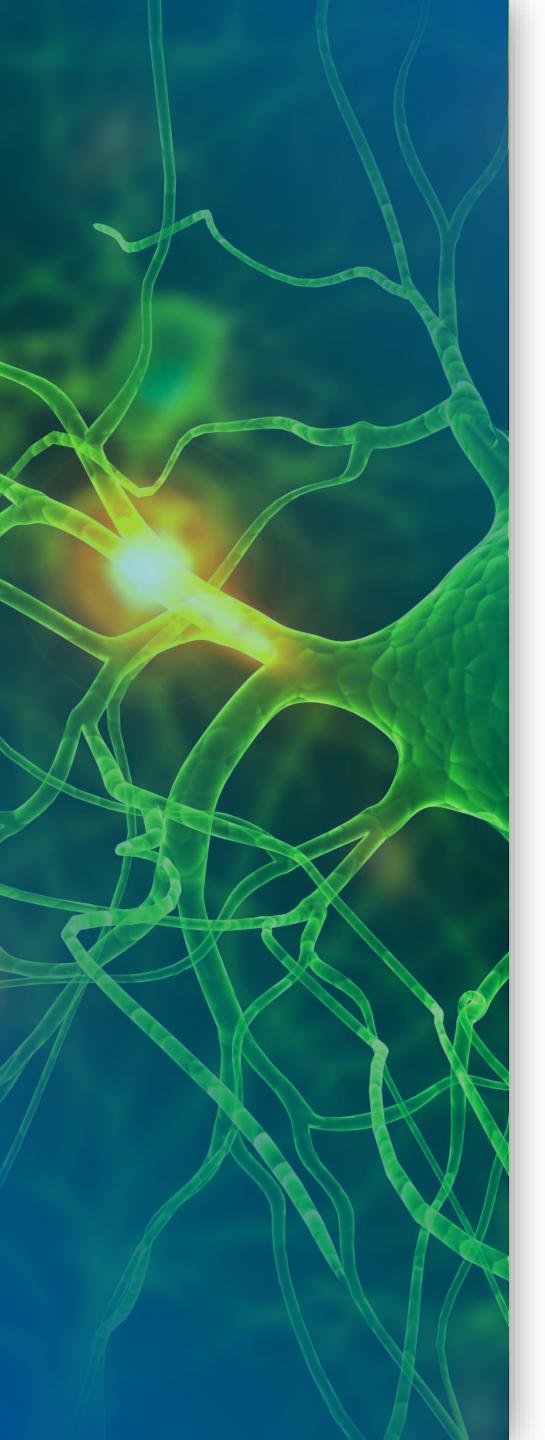




Educator Guide



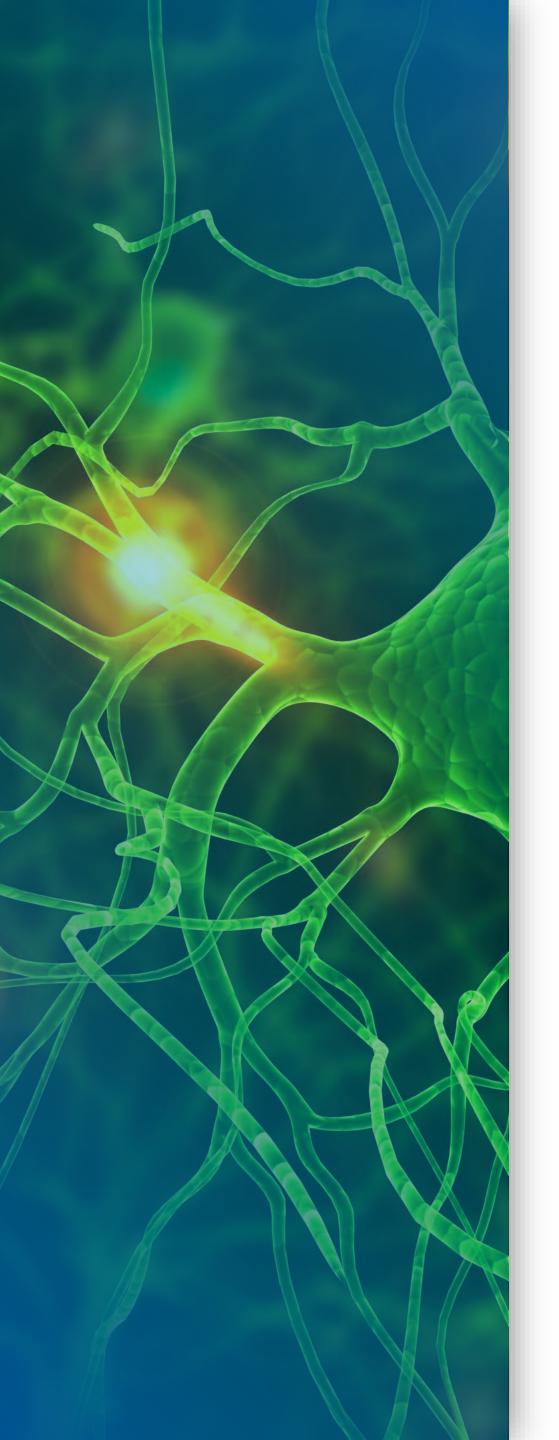
- Overviews, including a brain science background video from NIDA
- Key Outcomes:
 Student will be able to...
- Key Takeaways:
 Most important facts to know.



Coming Spring 2021!

American Indian/Alaska NativeDrug Misuse Prevention Resources

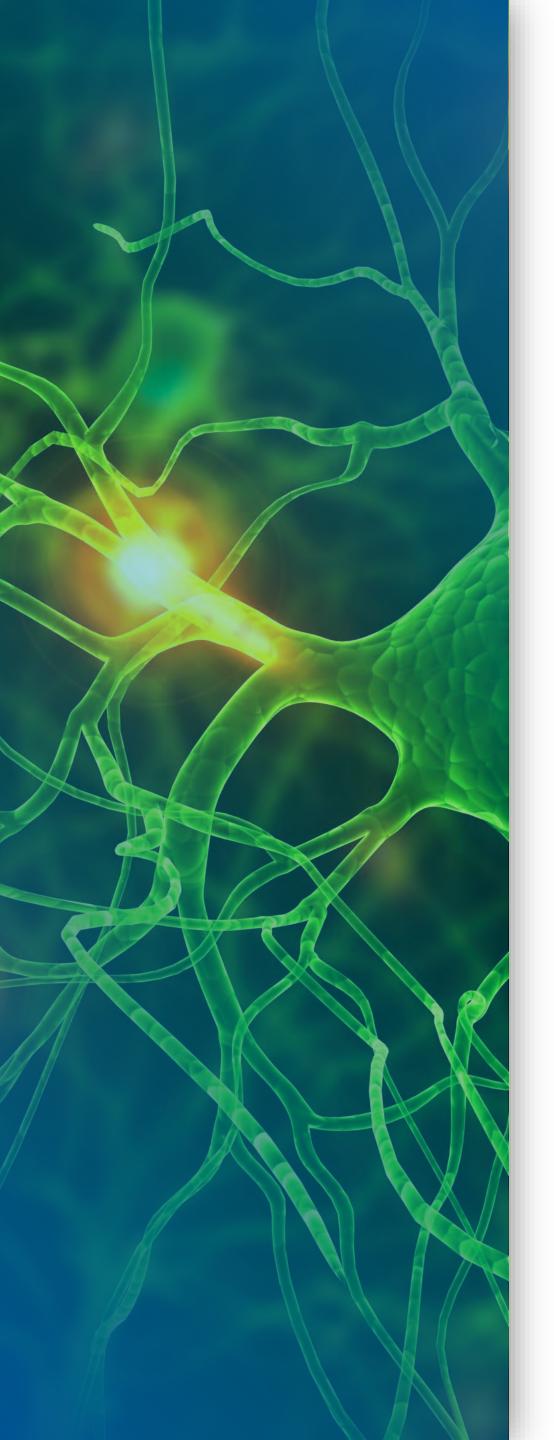
- Digital Lessons
- Classroom Activities
- Master Class Video Series to Guide Implementation



EVALUATION: Your Need

- Revisit your list from earlier of your needs.
- Thus far, can you identify any resources from Operation Prevention that may meet these needs?
- What resource do you want to dive deeper into?
- Why? What do you hope to find?





Questions, Ideas, & Classroom Implementation Stories?

Catie Drew, M.A.T.

Sr. Prevention Program Manager
Drug Enforcement Administration - DEA

Cathleen.R.Drew@usdoj.gov



