

Poll:

How do you currently address the topics of Rx Drug Abuse Prevention and Vaping in your curriculum?

- I have solid lessons built into my instruction
- I have some lessons built into my curriculum but I'd like to include more
 - I touch on it at times but I'd like more resources
 - I don't currently but I'm interested!



But first, housekeeping.

Audio

Listen through your computer speaker or by calling (415) 655-0060

access code: 671-417-445

Questions

Type in the questions box and we'll get to your questions in real time or address them during the Q&A

Social

Find us on Twitter

@EVERFIK12 and use

#EVERFlempowers

when you share out

A recording will be emailed to you following the webinar.



Today's Agenda

- 1 Overview and Introductions
- **2** Scope of the Issues
- NIDA: Teen Prevention:
 Prescription Drug Safety & Vaping
- **4** Taking Lessons to Practice

5 Q&A

Introductions



Dr. Ruben Baler
Washington, DC
Health Science Administrator at
NIDA



Brian Marquis
Washington, DC
Public Liaison Officer
at NIDA



Kimberley Timpf

Boston, MA

Sr. Director of Impact & Education at

EVERFI



Whole Child Lessons, No Cost to Educators





Red Ribbon Week Toolkit

- Articles & Research
- Discussion Guides & Activities
- Online Resources
 - Prescription Drug Safety
 - AlcoholEdu
 - Mental Wellness Basics
- **Extension Activities**
- NIDA Resources Vaping & **E-Cigarettes**
- **Printables**
 - Poster
 - Goals Worksheet
 - Response Poster
- Additional ways to celebrate



"Vaping & E-Cigarettes"

The Role of Parents in **Preventing Teen Prescription**

87% of students say "prescription drugs are a serious problem for teenagers these days."

69% of students say it's easy for

teens in their neighborhood to get prescription drugs that were not prescribed to them.

But, only 57% of incoming freshmen report talking with the

parents about prescription drugs significantly less likely to use Start a conversation about prescription drug abuse with your teens today.

Drug Abuse



Prescription Drug Safety

Suggested Grade Level: 9th -12th

Total Lessons: 6 lessons, 10-15 minutes each

Aligns with NHES



At-a-Glance

Prescription Drug Safety is an innovative digital course that arms high school students with the knowledge and tools to make healthy, informed decisions when it comes to prescription medications.

Through interactive scenarios and self-guided activities, students learn the facts about drugs, how to properly use and dispose of them, and how to step in when faced with a situation involving misuse.

Course Highlights

- Evidence-based, universal, public health approach to learning
- Interactive, true-to-life scenarios that reinforce key learning objectives

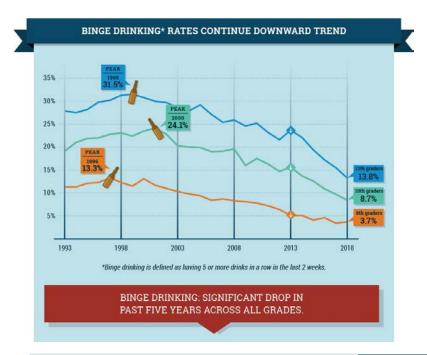
Course Topics

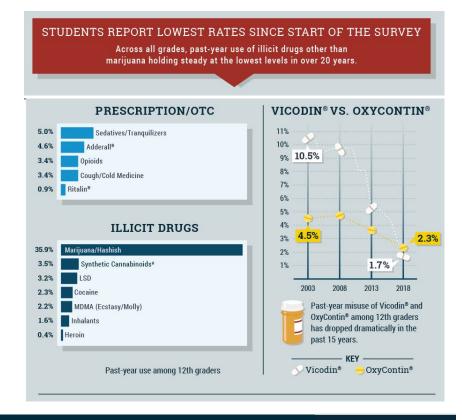
- Opioids, stimulants, and depressants
- The science of addiction
- Misuse refusal skills
- Supporting others

Access Now: everfi.com/newteacher

Scope of the Challenge Kimberley Timpf

The Good News









DRUGABUSE.GOV



Availability Highlights the Need to Stay the Course

Self-Reported Use of Common Types of Prescription Drugs **Under** a Physician's Order

Percentage of College Students Who Have **Used Common Types of Prescription Drugs Under a Physician's Order:**

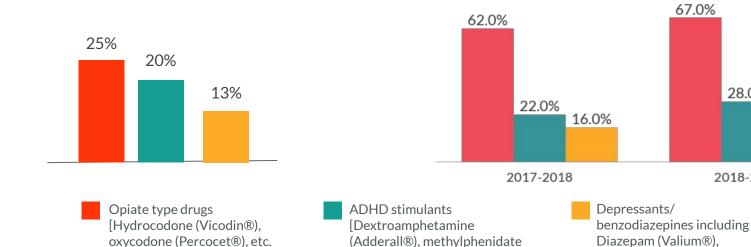
67.0%

alprazolam (Xanax®), etc.

28.0%

2018-2019

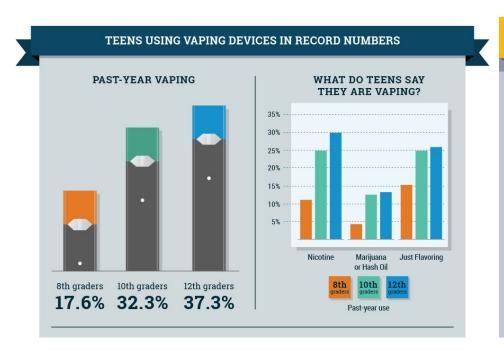
24.0%

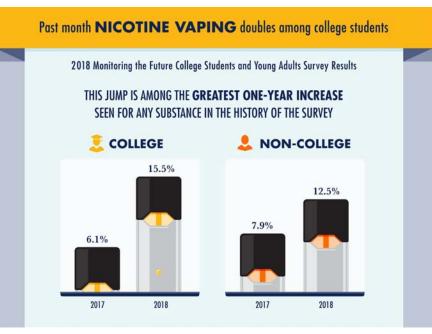




(Ritalin®), etc.

New Challenge: Vaping and e-Cigarettes









DRUGABUSE.GOV



The Need to Look Beyond Individual Substances



Key Finding: Prescription drug misuse increases the odds of having two or more substance use disorder symptoms by age 35.

Risk factors for prescription drug misuse identified:

- High school drinking
- Cigarette smoking
- Marijuana use
- Multiple prescription drug misuse
- White race
- Not completing a four-year degree







Preparing for Red Ribbon Week 2019 Teen Prevention: Prescription Drug Safety & Vaping

Dr. Ruben Baler and Brian Marquis









Consciousness

Memories

Personality





Four things everybody should know about the brain

- 1. We have two brains, not one
- 2. They develop at different speeds
- Brain development is like computer programming
- 4. Some things can compromise that programming

1

We have two brains











Pick up bits and pieces of information



process – compare – relate – assemble

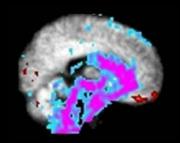


make up a story

System 2

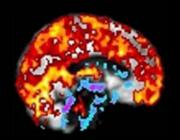
What comes next?

System 1



Fast
Automatic
Short-term

System 2

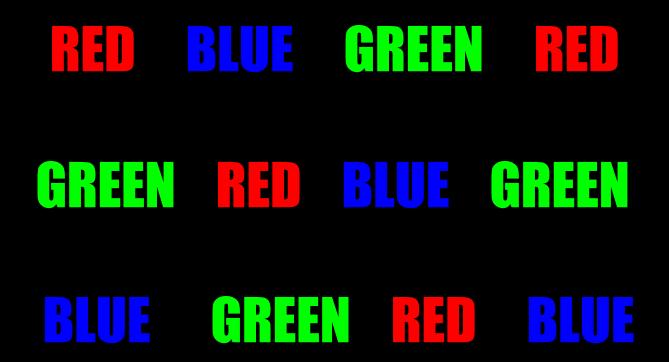


Slow Conscious Long-term

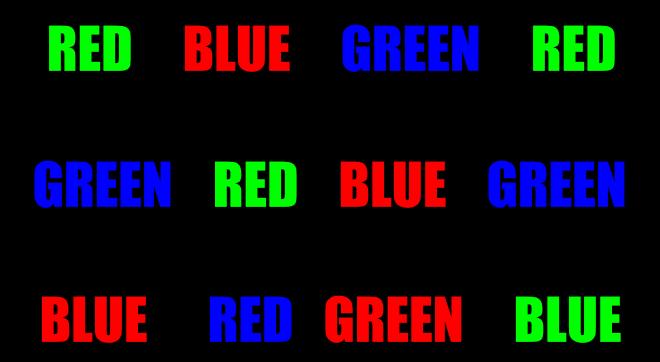


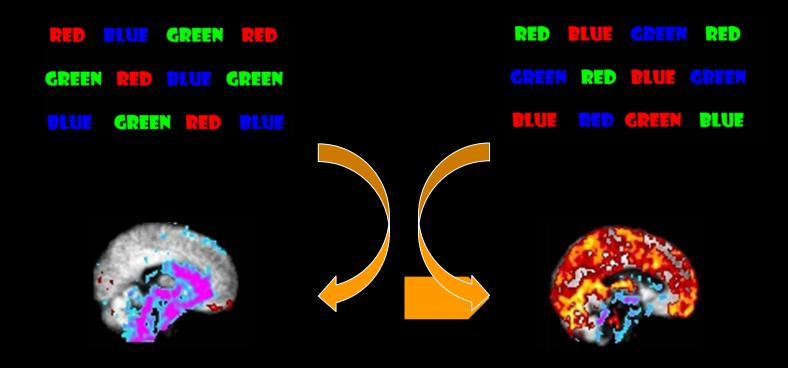
System 1 System 2 Fast Slow

Say the color out loud:



Say the color now:



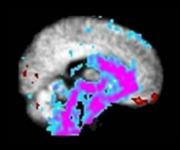


System 1

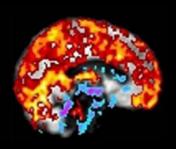
System 2

System 1

System 2







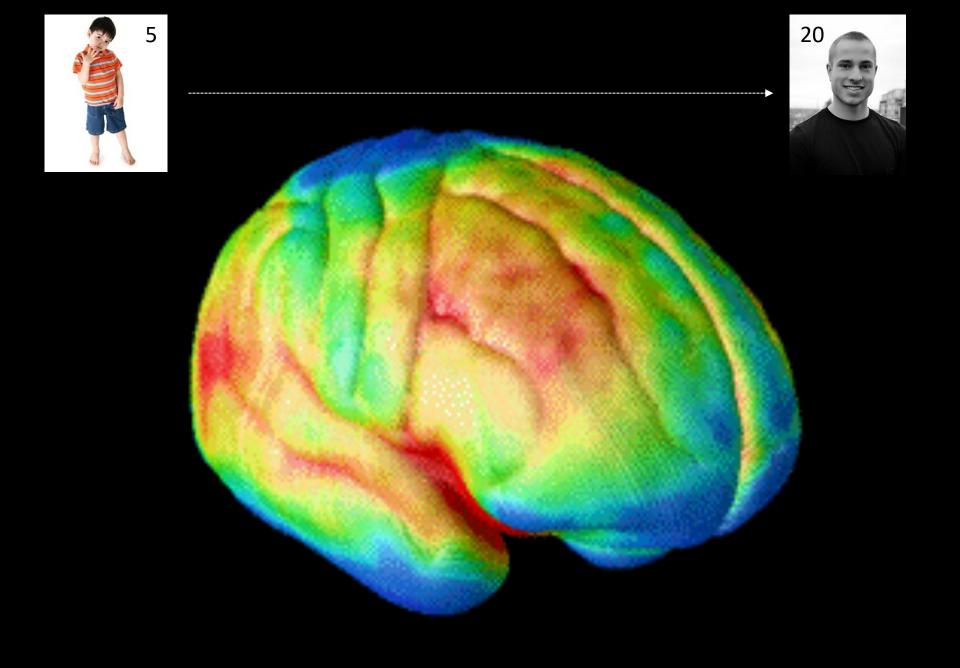
System 2 System 2

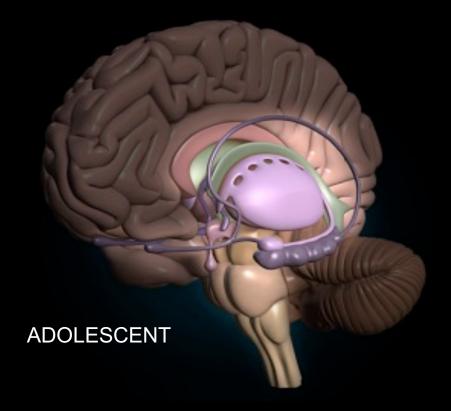
Why is this important?

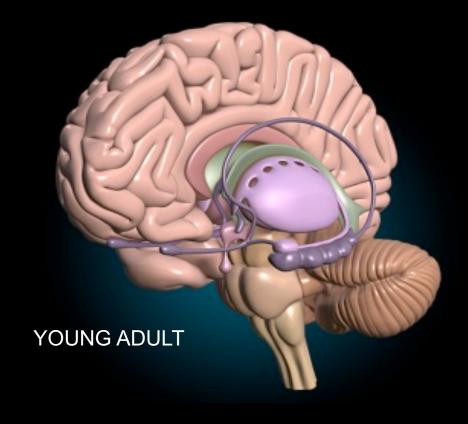
- Pros and cons of having two brains
- Where can this go wrong?
- Influence on decision making
- The systems develop at different speeds

2

The two brains take a long time to mature fully, and they do it at different rates.







System 2

System 1

DECISION MAKING

System 2 System 1

DECISION MAKING

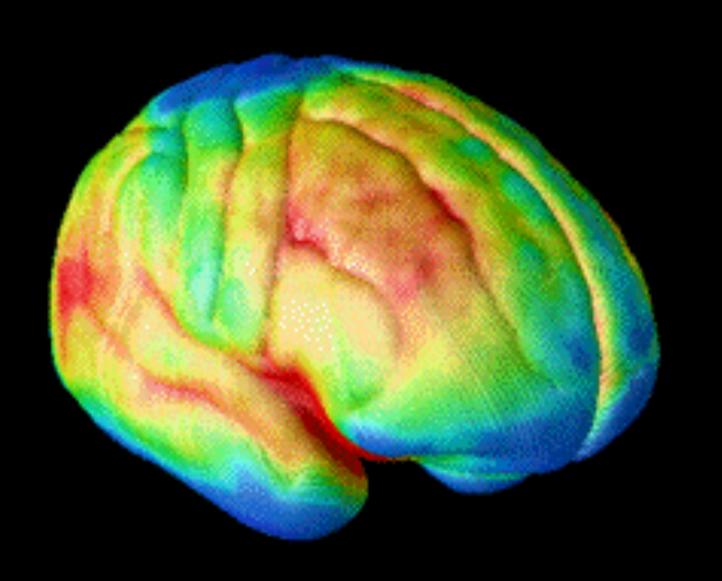


Why is this important?

- Evolutionary roots of risk taking.
- Impact on decision making.
- Actions we can take to increase resiliency

3

Brain development is Brain programming.

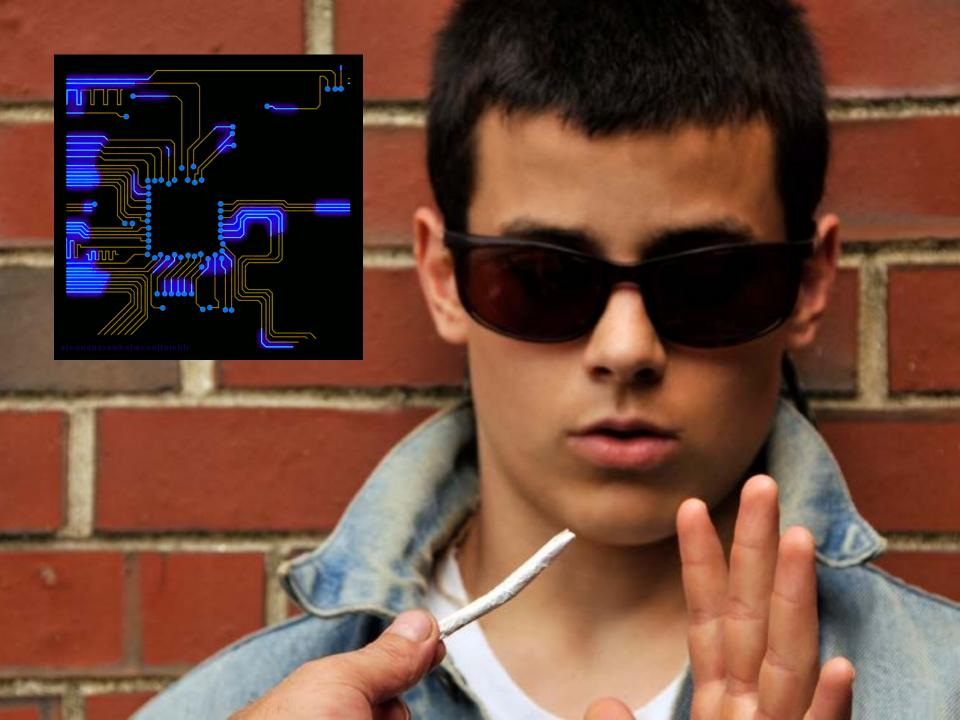
















"Programming" a young brain (?)

 Short range connections (gray matter)

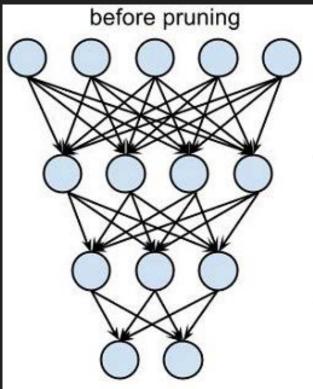


 Long range connections (white matter)







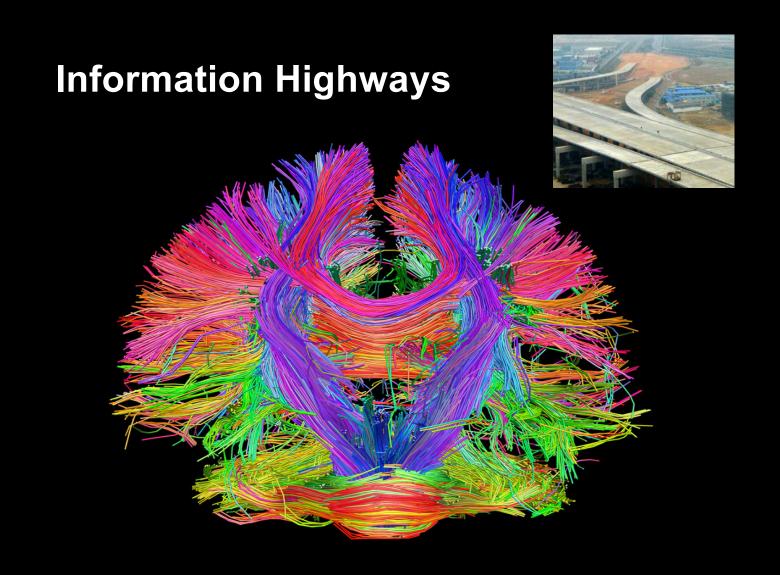




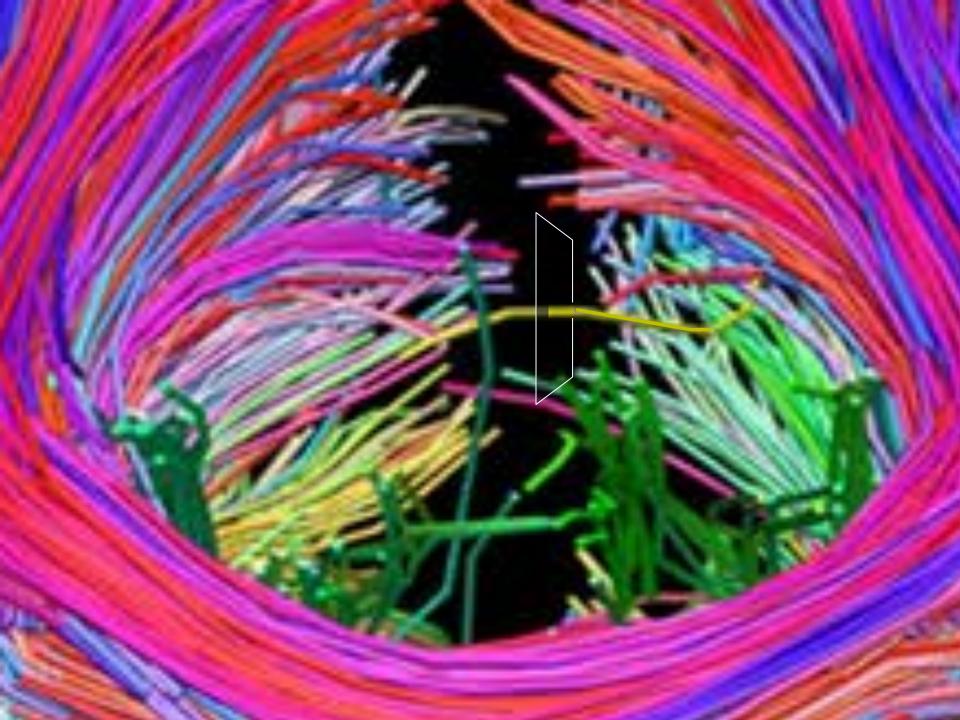


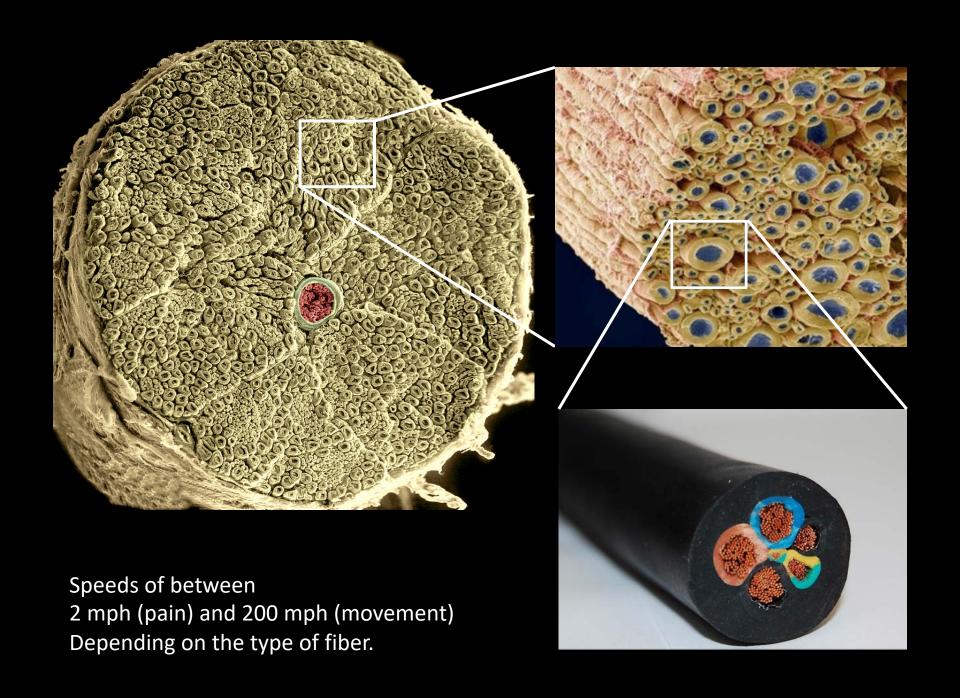






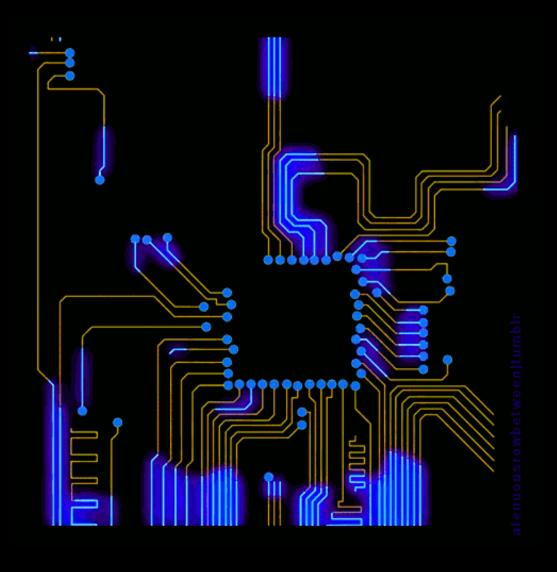






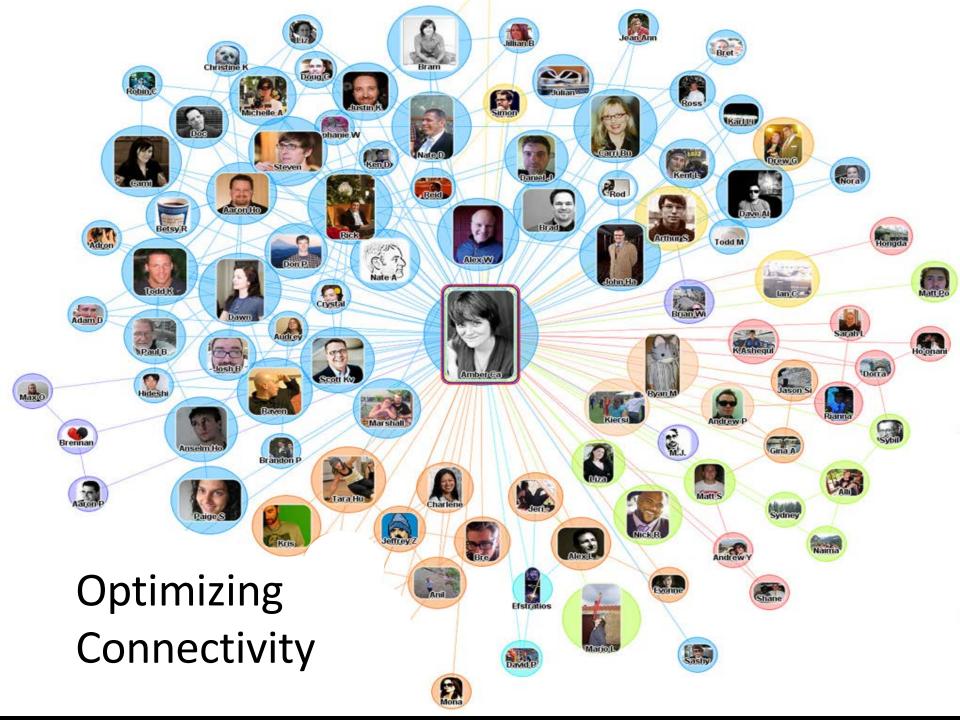
3000x increase in bandwidth during adolescence





Meaningful connectivity

Increasing Bandwidth



1G **2G 3G** 4G 1990s 2010s 1980s 2000s Data rate: Data rate: Designed primarily for data. Mobile device users start to adopt the "anytime, anywhere" appetite First wireless Shift to digital Enter smartphones and video calls. technology. Enabled text basic voice cell phones Increasing

Bandwidth

5G

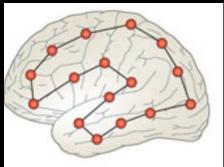
2020s

Data rate: > 1 Gbps (estimated)

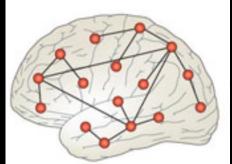
Expected to support a hyperconnected future of seamless Internet, "alwayson" gadgets for round-the-clock monitoring and smart city networks.

Optimizing Connection and Increasing Bandwidth are Goal Neutral...

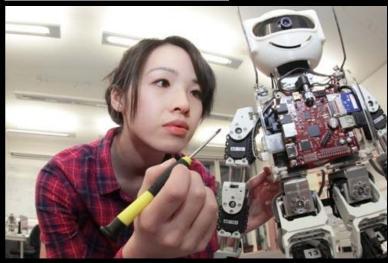
Narrow Horizons











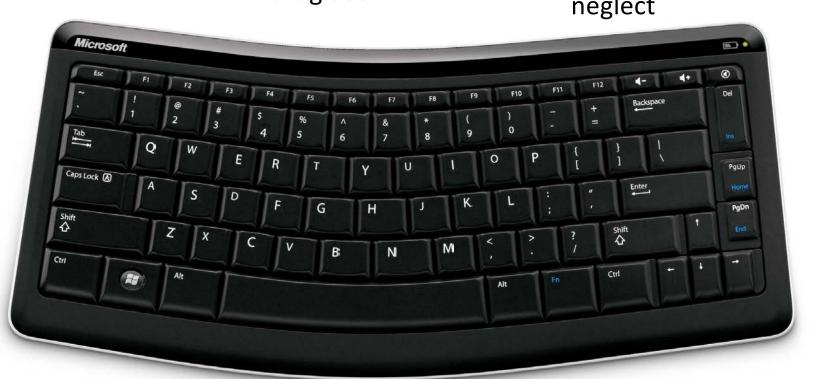


malnutrition sleep deficits

bullying drug use

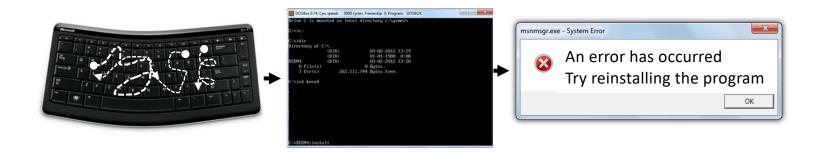
physical abuse

FOMO chronic pain neglect

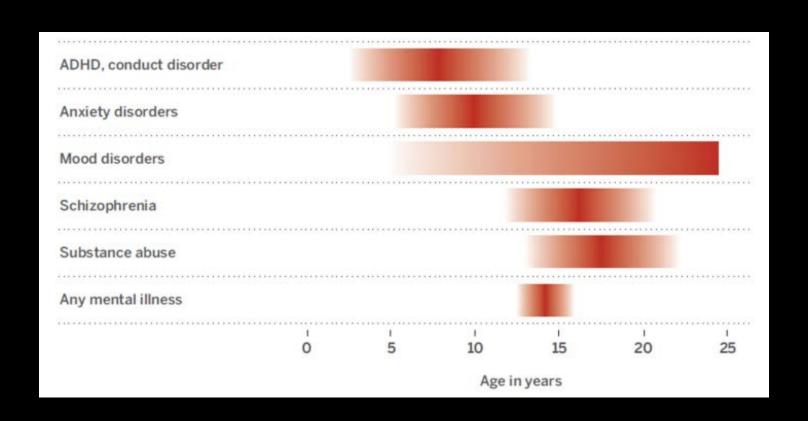


The effects of keyboard scrambling are time dependent





One in five adolescents have a mental illness that will persist into adulthood



Why is this important?

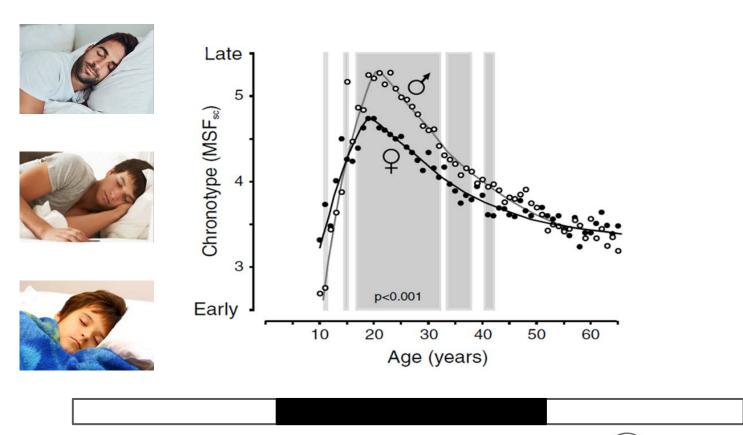
- Empowering knowledge
- Adopt proactive role in your development
- Learn about the many things that can scramble your keyboard: cell phones, lack of sleep, drugs...

4

There are many things that can harm the programming or how it runs.

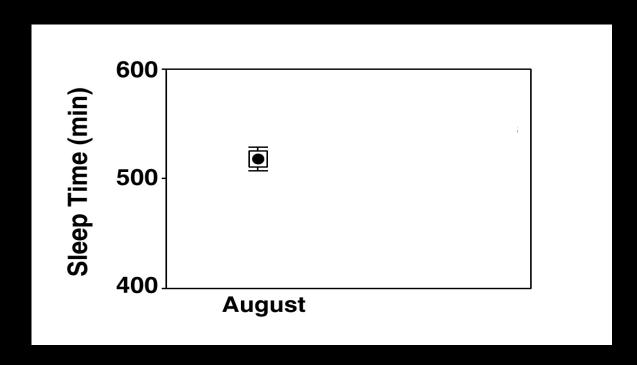


Sleep pattern changes as you grow older



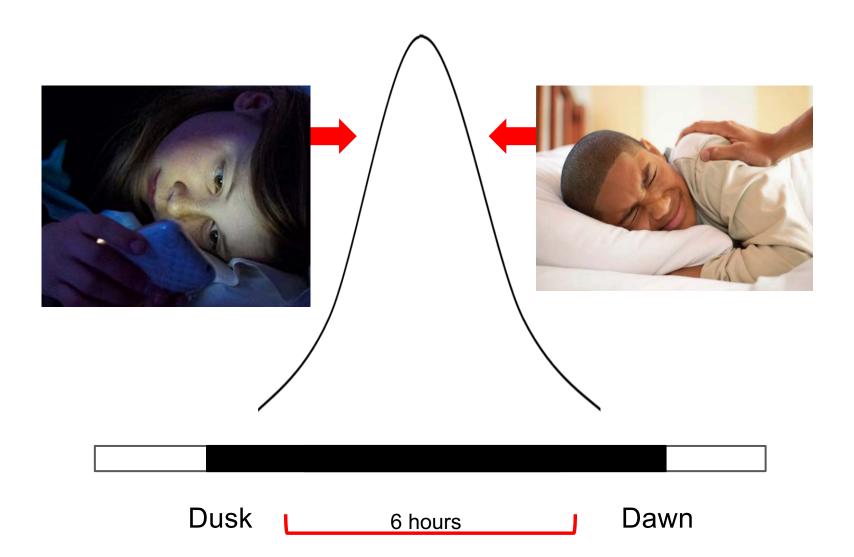


Current High School Start Times Contribute to Sleep Deprivation Among Adolescents.

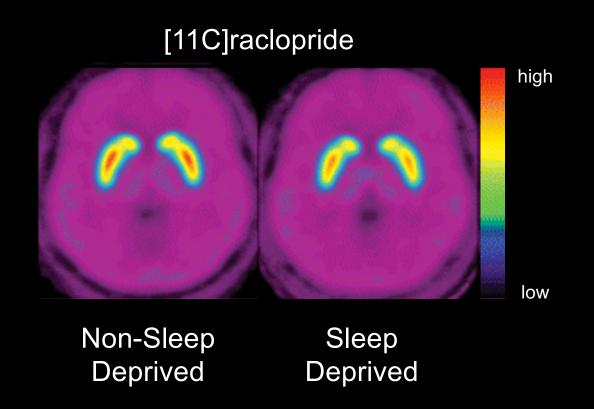




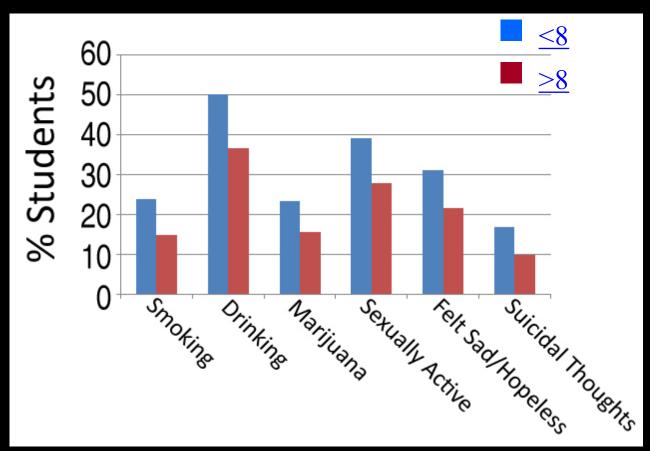




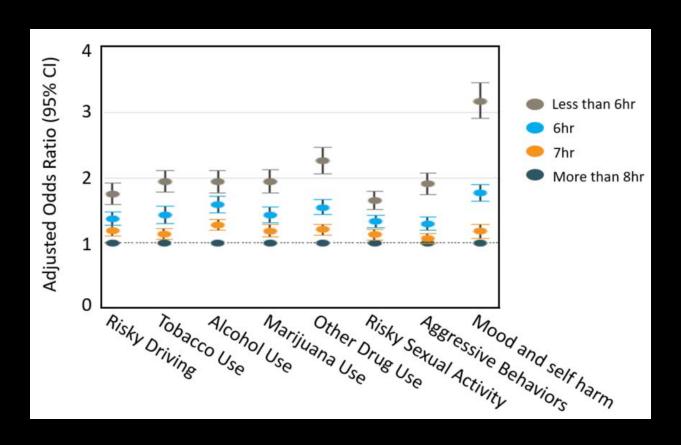
Effect of Sleep Deprivation on Dopamine Receptor Availability



Self-Reported Hours of Sleep and Selected Health-Risk Behaviors



Dose-Dependent Associations Between Sleep Duration and Unsafe Behaviors Among US High School Students (YRBS 2007-2015)



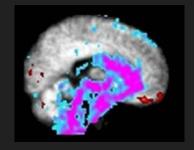
70% of high school students average less than 8 hours of sleep, falling short of the 8 to 10 hours that adolescents need for optimal health.

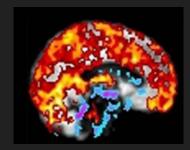
Why is this important?

- Learn to recognize threats to the brain's program.
- Fight back against neuromarketing.
- Design brain-conscious environments.

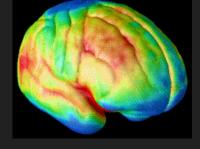
to recap...







 $\left(\begin{array}{c} \mathbf{2} \end{array}\right)$



 $\left(3\right)$



4







Join NIDA for the 10th Anniversary of National Drug & Alcohol Facts Week®













POLL:

Are you familiar with *National Drug And Alcohol Facts Week®* (NDAFW)?





POLL: Have you participated in NDAFW?



Getting Involved is Easy and Fun











Access NIDA's toolkits for activity ideas on specific topics.

Hold educational events.

Hold virtual events.

Create contests and scavenger hunts.



Use NIDA's Planning Toolkits and Online Resources



Toolkits for specific topics:

- Tobacco, e-cigarettes, and vaping
- Opioids
- Alcohol
- Marijuana

Toolkits include:

- Activity ideas and games
- Statistics about youth drug use
- Resources such as the National Drug & Alcohol IQ Challenge
- Infographics, blog posts, and multimedia resources









Five Steps to Hosting an Event



- **1. Form** your planning team.
- 2. Plan your NDAFW event.
- 3. Register your event.
- 4. Secure the science.
- 5. Promote your event!

Learn more at teens.drugabuse.gov/NDAFW.





Activity Inspiration



- Host a town hall or speaker event.
- Develop a graffiti wall with drug facts.
- Share facts via the morning announcements.
- Create a photo booth.
- Organize dress-up days tied to shattering the myths.
- Host a door decorating contest.
- Chalk drug and alcohol facts on outdoor walkways.
- Use the IQ Challenge as an evaluation tool.

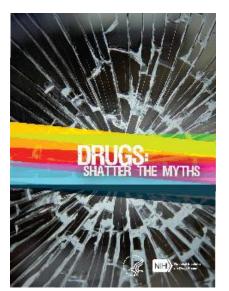


Be creative and have fun!

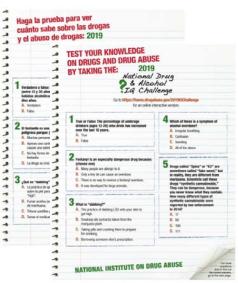


Free Resources from NIDA

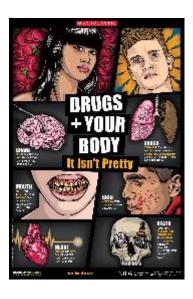




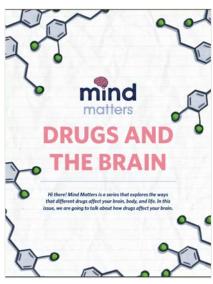
Drugs: Shatter the Myths booklets



National Drug & Alcohol IQ Challenge activity



Drugs + Your Body: It Isn't Pretty posters



Mind Matters series

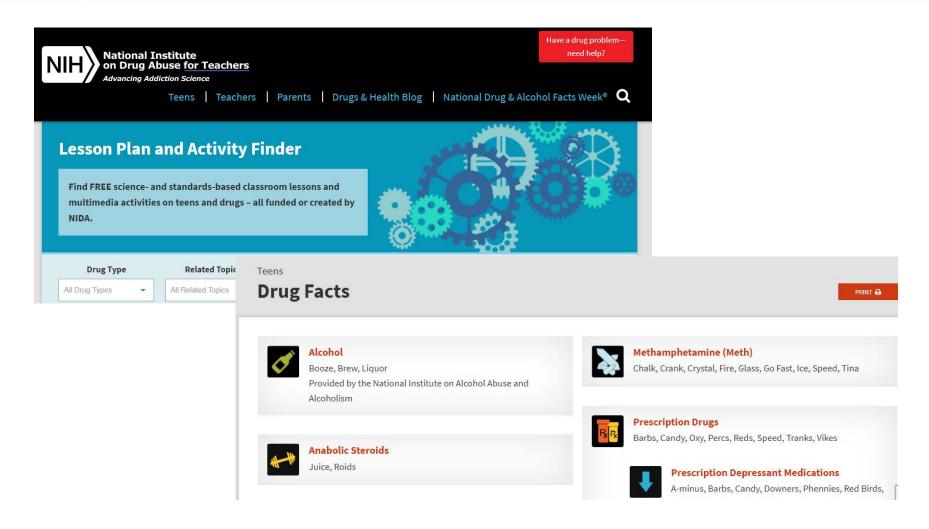
And don't forget about our dozens of free, online resources.

Order today at teens.drugabuse.gov/order.



Tools for Educators and Counselors





Visit teens.drugabuse.gov/teachers for free tools and resources from NIDA.



Get Your Event on the Map!





NDAFW registration opens soon.



NIDA's Here to Help



NIDA is at your service! We can:

- Help you generate ideas, register, and plan your event.
- Connect you with a scientist.
- Provide the materials you might need.

Email Brian Marquis at drugfacts@nida.nih.gov.

Mark your calendar for March 30 to April 5, 2020.



Follow NIDA on social!











Taking Lessons to Practice: Implementing Prevention Lessons

Kimberley Timpf

Implementation Strategies





Register

everfi.com/newteacher

- Find Your State
- Enter Your School





Q&A



Next Steps

Learn

Visit everfi.com/PDS to review Rx drug safety lessons.

Visit **everfi.com/k12-courses** to review all offerings.

Get Started

Register for an account at www.everfi.com/
newteacher

Pick a lesson to tackle this Red Ribbon Week

Share

Share with colleagues.

Share about your class on social media - tag @EVERFIK12 and/or use #EVERFlempowers

