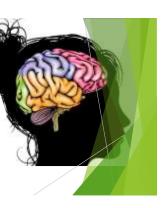


Eileen C. Houlihan Terence J. Houlihan











### Some initial thoughts

and )

8ª



There is rarely a singular causation

The word, "adolescence."

Children and teens have the

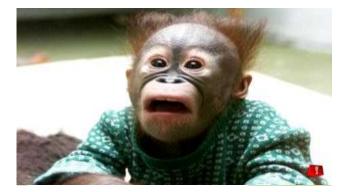
This is not the "most anxious generation



# The "Change"

- Puberty
- Smartphone
- Middle School > High School
- Disconnecting from parents • Seeking acceptance from peer groups (social media)
- Existential threats
- College
- · Dating/Romantic Relationships
- Chemical substances
- · Increase in sensation seeking
- Driving





## **Cognitive Distortions in Adolescence**

• Egocentrism & Elkind Imaginary audience Personal fable







### **Pre-Frontal Cortex**

- CEO of the brain
  - Planning
  - Time Management
  - Organization
  - Working memory
  - Metacognition
  - Self-regulation
  - Task initiation
  - Flexibility
  - Mood modulation



A word or two about stress and anxiety

### ► Cortisol & THP





### Social Media

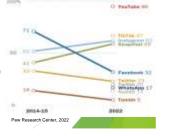
#### Age 11

▶ 7 hrs and 30 min.

What can you do?

- Help them create schedules
- Charge them @ night
- Set time limits (w/ reminders)
- Ask for passwords
- Set parental controls

ce 2014-15, TikTok has arisen; ebook usage has dropped; tagram, Snapchat have grown C.S. tues sho sey they ever use sny of the sing uppe or the.



## Creating Resiliency

DopamineTestosterone







## RESOURCES

## Books

Blakemore, S. J. Inventing Ourselves: The Secret Life of the Teenage Brain. PublicAffairs, NY: 2018.

Bradley, M., & Giedd, J. <u>Yes, Your Teen is Crazy! Loving Your Kid Without Losing Your Mind.</u> Harbor Press, Gig Harbor, WA: 2002.

Brizendine, Louann, MD. The Male Brain. Three Rivers Press, NY: 2011.

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Bronson, P.O., and Merryman, A. <u>Nurture Shock: New Thinking About Children</u>. Twelve, New York, NY: 2009.

Brown P., Roediger H. and McDaniel, A. <u>Make it Stick; The Science of Successful Learning</u>. Harvard University Press, Cambridge, MA, 2014.

Carskadon, M.A. (Editor). <u>Adolescent Sleep Patterns: Biological, Social, and Psychological Influences.</u> Cambridge University Press, Cambridge, 2002.

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Dawson, P. & Guare, R. <u>Executive Skills in Children and Adolescents.</u> Guilford Press, New York, NY: 2004.

Jensen, F. E., and Nutt, A. E. <u>The Teenage Brain: A Neuroscientist's Survival Guide to Raising</u> <u>Adolescents and Young Adults.</u> HarperCollins, New York, NY: 2015.

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Wang, Sam. <u>Welcome to Your Child's Brain: How the Mind Grows from Conception to College.</u> Bloomsbury, New York, NY: 2011.

White, Adam & Swartzwekder, Scott. <u>What Are They Thinking?: The Straight Facts about the</u> <u>RiskTaking, Social-Networking, Still-Developing Teen Brain.</u> W.W. Norton, New York, NY: 2013. Web sites www.nida.nih.gov National Institute on Drug Abuse

http://www.positscience.com/human-brain Excellent resource on the mechanics of the brain

# http://www.cyfernet.org/index.php?c=2

Information on the enhancement of social competency and the reduction of risk behaviors among youth.

www.sleepfoundation.org National Sleep Foundation

http://www.nimh.nih.gov National Institute on Mental Health

http://www.aacap.org/ American Academy of Child and Adolescent Psychiatry

http://site.educ.indiana.edu/Default.aspx?alias=site.educ.indiana.edu/cafs Center for Adolescent and Family Studies, Indiana University

http://www.learner.org/courses/neuroscience/index.html Neuroscience and the Classroom

http://www.pbs.org/wgbh/pages/frontline/shows/teenbrain/ PBS' in-depth look at the latest in neuroscience and adolescent development

http://ngm.nationalgeographic.com/2011/10/teenage-brains/dobbs-text National Geographic's online magazine

http://faculty.bucks.edu/specpop/studyskills.htm All things study skills-related

http://schoolcounselor.org The quintessential website for school counselors

http://www.visible-learning.org The quintessential website for educators



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