# Stress and its effects on learning

Robyn Patch, Jennifer Ova, Hannah Redinger, & Maisie Muller



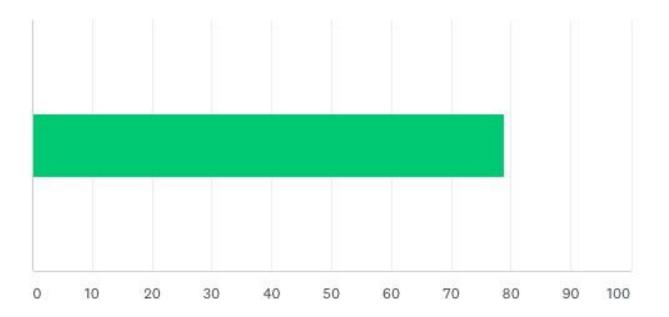
#### Question:

To what degree does stress or anxiety affect a child's learning? Is it appropriate or beneficial to induce stress on students? Under what circumstances?



## How often are you stressed because of school throughout the week? (O being not at all, 10 being constant)

Answered: 24 Skipped: 0



### Three Types of Stress

#### Acute

- Short Term
- Exhilarating and thrilling
- Can be motivating

#### Episodic

- Frequent episodes of acute stress
- "Worry Wart"

#### Chronic

- Long-term detrimental circumstances
- Poverty or an abusive relationship

#### Negative effects

Stress inhibits memory storage

 When the amygdala is in a state of emotional stress, information can't pass through it to reach memory circuits

#### Decreases attention span

- Home life situations can be distracting in the classroom
- "It prevents me from focusing because I'm thinking about all of the things I'm stressed about."

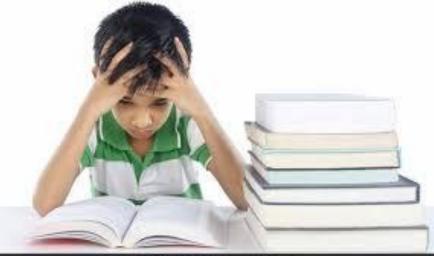
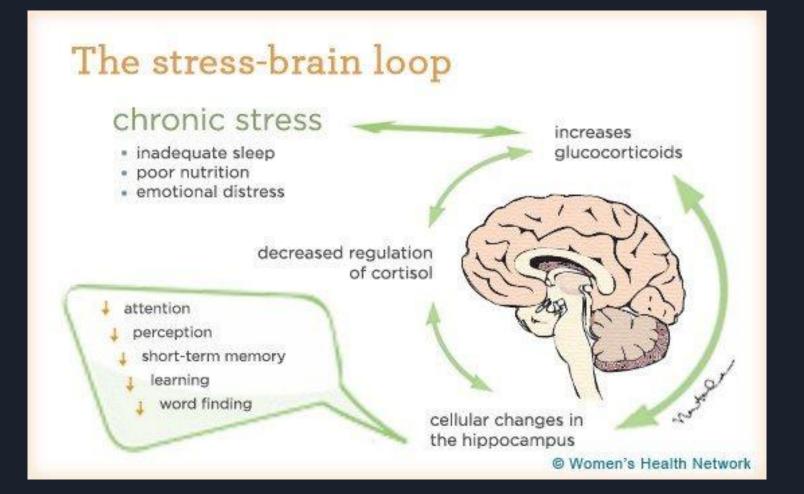


IMAGE CREDIT: Intockphoto.com/Maralineth





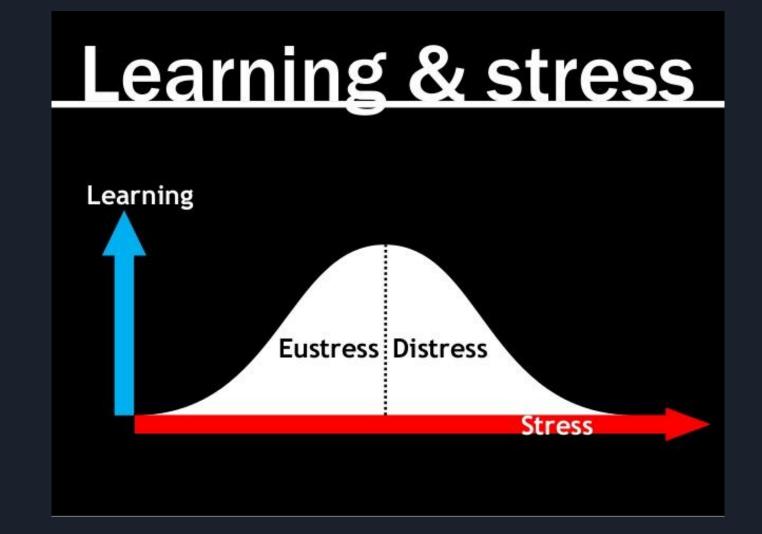
#### Positive effects

Stress can motivate students

- To accomplish goals
- To complete homework assignments
- To reach their fullest potential

But this isn't the case for some students, as everyone responds differently to stress

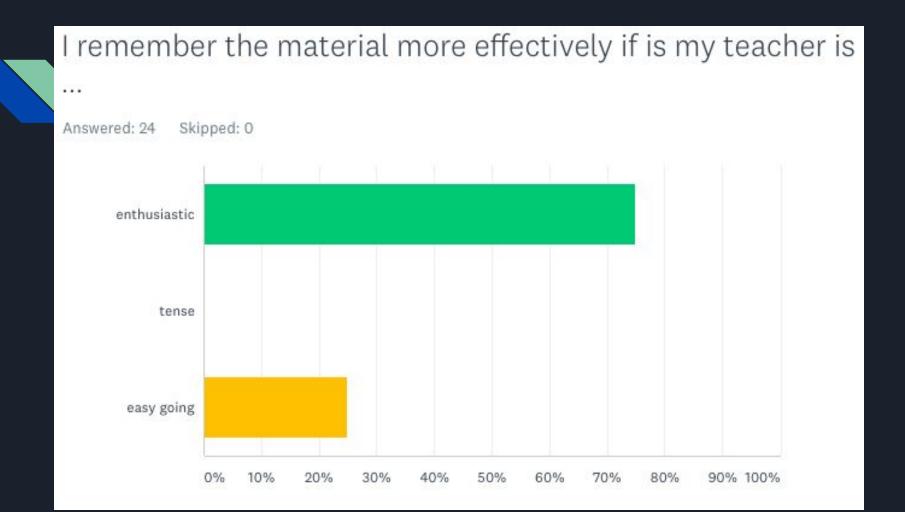
The right kind of stress can encourage change and growth





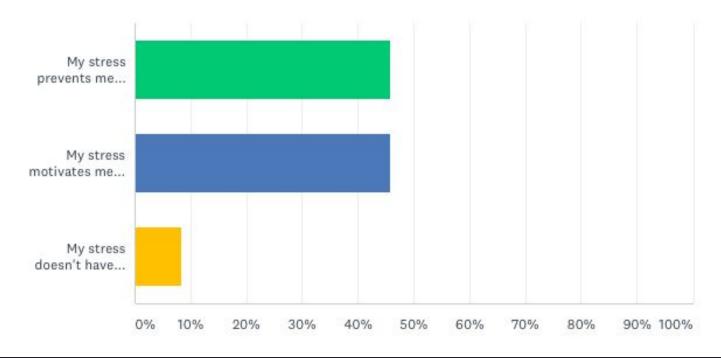
#### Impact for Educators

- Create a safe, warm, and welcoming environment with limited stress
- Be enthusiastic about the material
- Use stress to increase alertness
- For non preventable, chronic stress, educators should teach coping skills to promote healthy growth and change



#### How does your stress affect your work ethic?

Answered: 24 Skipped: 0





#### Thesis:

By examining how these types of stress affect learning in school we have found that, generally, stress has negative impacts on learning by impairing memory storage and attention span; however, teachers can use stress as a tool to promote healthy growth and change. Our research shows that stress can hinder or promote motivation depending on the individual.