

Stress Therapy: Nature in the Classroom



Introduction

- ❖ According to a 2018 survey, 45% of high school students report feeling stressed "all the time"
- High levels of chronic stress impedes academic success, compromises mental health functioning, and fosters risk behavior, and if not addressed, can lead to physical & mental health issues in emerging adults

How often are you stressed?			
Response	Total	P	ercentage
All the time	16	,101	44.88%
Sometimes	13	,146	36.64%
Rarely	4	,370	12.18%
Never	2	,261	6.30%

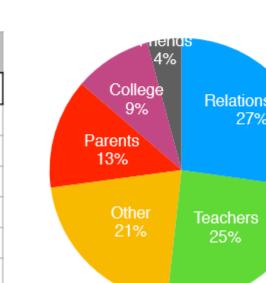


Fig 1. Teens were asked four questions in the stress and mental health poll². Questions included "How often are you stressed?" and "what stresses you out the most?

- 9.47% 4.21%
- Strong emotional health has been found to contribute to work success, relationships and overall health
- Some schools are working to provide holistic environments where emotional, social & physical health are priority for staff and students.
- The biophilia hypothesis suggests that humans have an innately emotional affiliation to other living organisms



Fig. 2. A spider plant named "Martha" located in one of the classrooms

- When people are exposed to scenes of natural environments, productivity can increase and perceived mental stress can decrease
- The presence of plants has a positive impact on the human mind, both consciously and subconsciously

Objective

The purpose of this project is to help reduce the overall feelings of stress in students at Joel Barlow High School by introducing green plants into the school community

Benefits of Nature

- Reduces stress
- Improves mood
- Improves attention
- Boosts immune function
- Promotes longevity
- Increases productivity

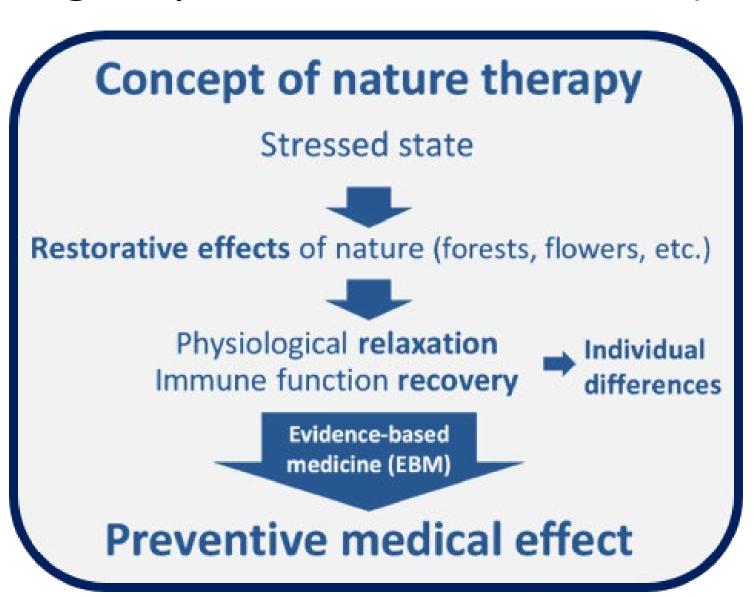


Fig. 3. Concept of nature therapy from Miyazaki et al., 2015

Responses from educator volunteers as to why they participate:

- Home gardener and hobby interest
- Promoting healthier productive environment for students

Improving Emotional Strength

Regulating Thoughts

- Ignoring self-doubt
- Replacing self-criticism with self-compassion

Managing Emotions

- Acknowledging & embracing all emotions (even the uncomfortable ones)
- Understanding how our feelings influence the way we think and behave

Behaving Productively

- Choosing to take actions that will improve our lives
- Motivation
- Delayed gratification

Project Phases

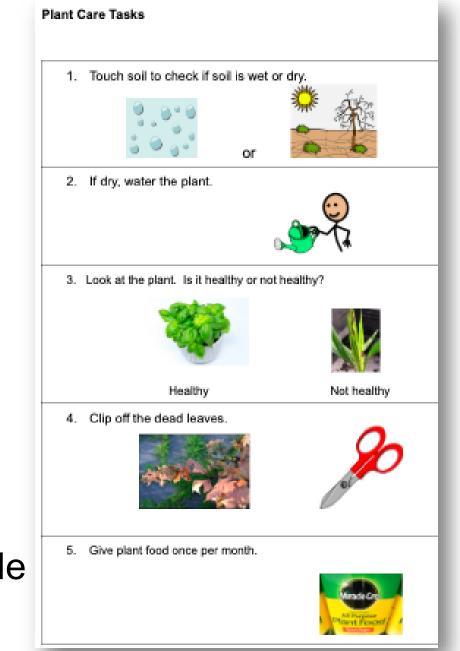
Phase 1: Plant Collection and Training



Phase 2: Classroom Integration & Student Volunteers

- Plants were selected by students and given names to personalize their relationship
- Plant Care Guides were used to help students care for plants
- Volunteers were responsible for a 7-day cycle





Phase 3: Unified Wellness Gardening





Fig. 7. Classroom plants

Scan the QR code to access our references



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