

#### Wallowing in Positivity

Overcoming the Negative Bias of the Brain

- Neuroscience Primer
- Negative Bias of the Brain
  - -Role of Emotions
- Positive Emotions
  - -Broaden & Build Theory
- Interventions
- Experience "Wallowing in Positivity"
  - -Feelazation



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#### Wallowing in Positivity

Overcoming the Negative Bias of the Brain

- Positive Psychology
  - -The Psychology of Well-Being







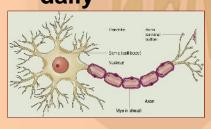
#### Neuroscience: The Brain

- Organ housed in cranium
- Weighs +/- three (3) pounds
- Uses 20-25% of the body's energy
- The center of thought, understanding, decisionmaking, etc.
- Runs our 'Systems'



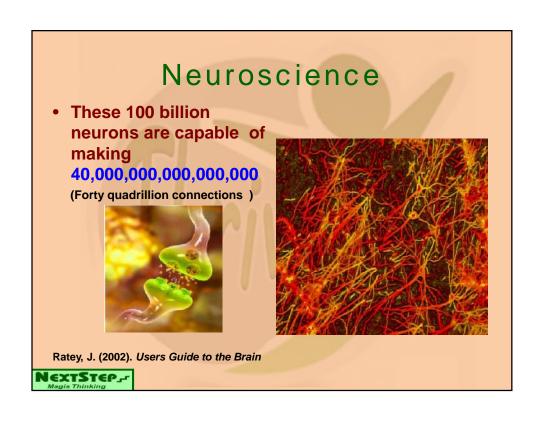
#### Neuroscience

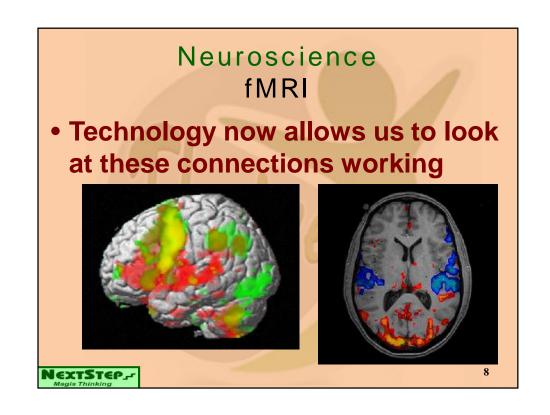
- The human brain has 100 billion neurons
  - -It grows thousands of new cells daily

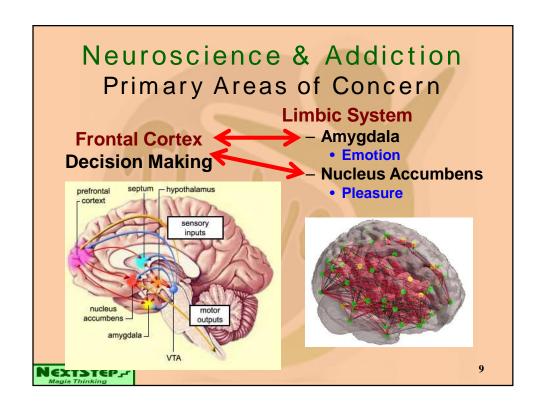


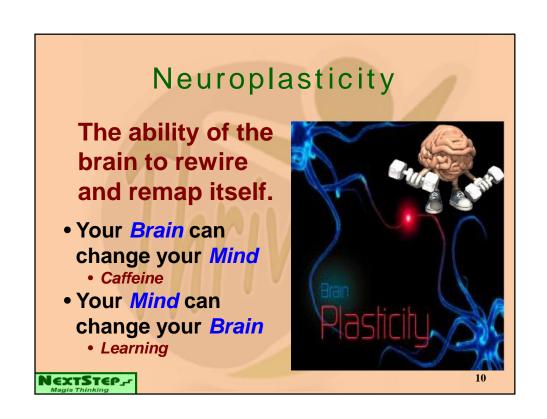








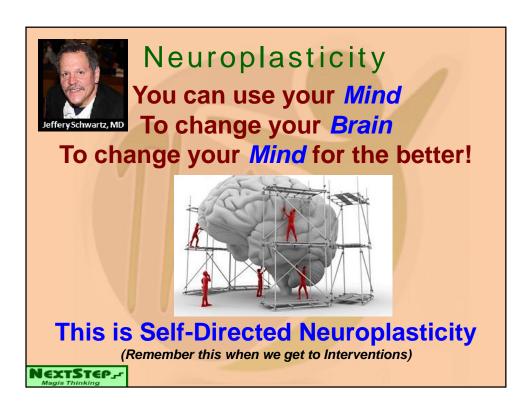




### Neuroplasticity

- As your Mind changes, your Brain changes
  - This produces both temporary & lasting changes in your brain
- Lasting Changes:
  - Increased blood/nutrient flow to active regions
  - "Neurons that fire together wire together."
    - · Increasing excitability of active neurons
    - Strengthening existing synapses
    - Building new synapses; thickening cortex
    - Neuronal "pruning" "use it or lose it"
  - Altered Epigenetics (gene expression)





#### What are Emotions?

- Emotions are complex pattern of changes made in response to a situation perceived to be personally significant
- Root word = motion
  - -'Move'
    - Emotions move through us



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**AGGRESSIVE** 

#### Facial Expressions of Emotion

- Six facial expressions are ubiquitous
  - Anger, happiness, surprise, fear, disgust, & sadness.













- · Other emotions less universal
  - Guilt, shame, embarrassment, & pride







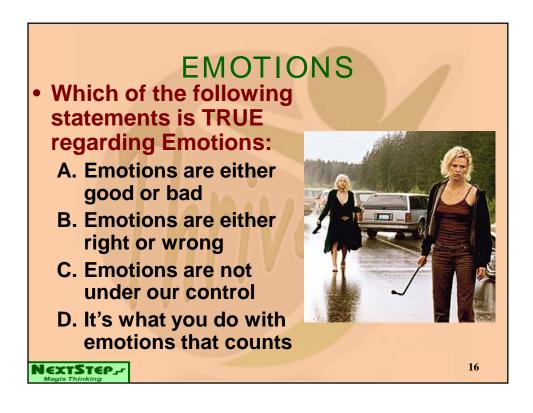


- · Occur later in human development
- · Closely tied to social interaction

Learned

NEXTSTEP,





#### **EMOTION**

- Evolution / Darwin
  - -Emotions aid survival
    - Fear → Avoid Danger



 Psychology primarily focuses on negative emotions

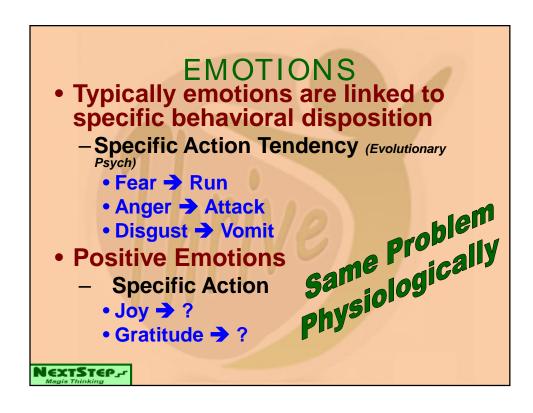


# EMOTIONS Rethink Darwin

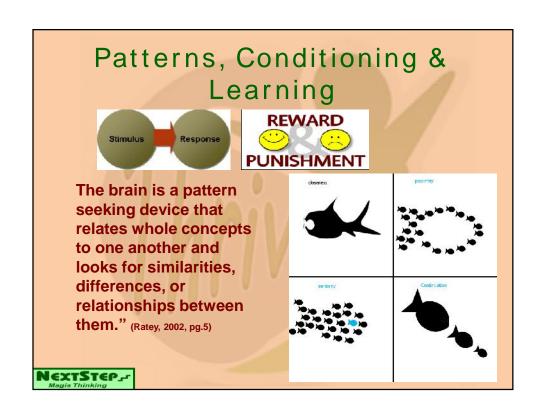


- In the Descent of Man Charleson
  Darwin wrote
  - -2x of "survival of the fittest" & System
  - -95x about love!
- David Loye
- -92x about moral sensitivity
- -200x about brain & mind
  - http://www.thedarwinproject.com/

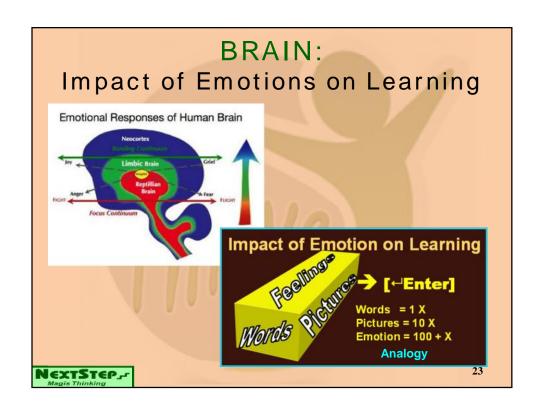
We can change the world for better by changing the story we live by. (David Loye)

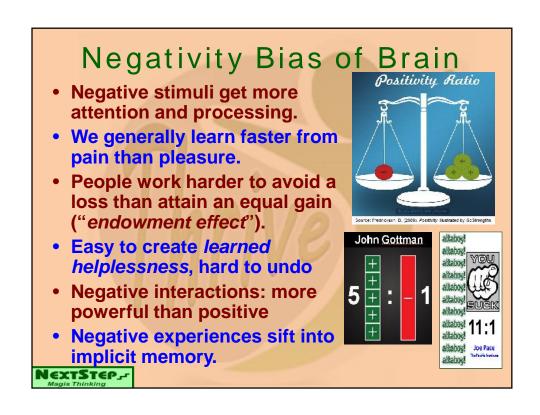














- Why has evolution endowed us with positive feelings?
- Who has positive emotion in abundance?
- How can you build more & lasting positive emotion into your life?



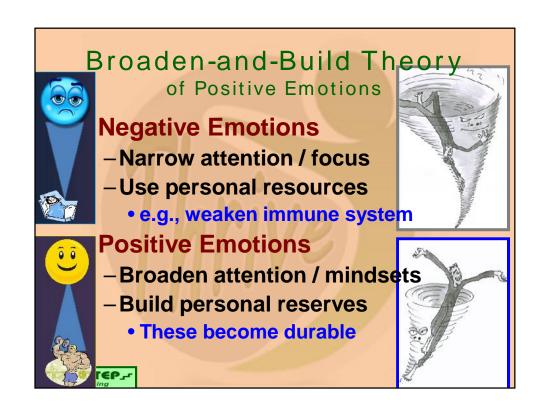


# Broaden-and-Build Theory\* of Positive Emotions

- Certain discrete Positive Emotions
  - Joy
  - Interest
  - Contentment
  - Pride
  - Love
  - Broaden thought-action repertoires
  - Build enduring personal resources
    - Physical & Intellectual
    - Social & Psychological

\*Fredrickson & Levenson, 1998





## Broaden-and-Build Theory of Positive Emotions

- Undoing Hypothesis
  - -Positive Emotions = Antidote for lingering effect of negative emotions
    - They UNDO effects of negative emotions



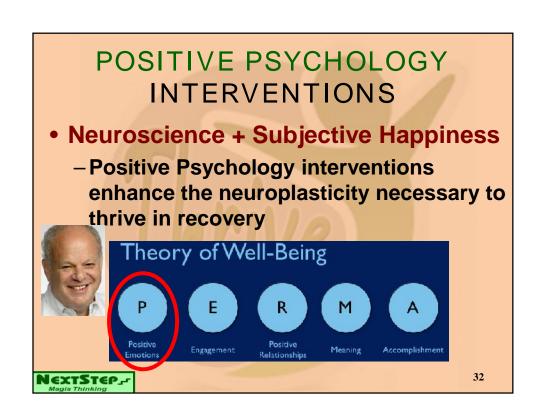
### Broaden-and-Build Theory

of Positive Emotions

- Positive Emotions:
  - Broaden thought-action repertoires
  - Undo lingering negative emotions
    - Shorten duration of negative emotions
    - May slow progression of disease
  - Fuel psychological resilience
  - Trigger upward spirals to enhanced well-being
    - Creativity
    - ♠ Motivation & Energy
    - ↑ Physical Health
    - It Feels Good to Feel Good!

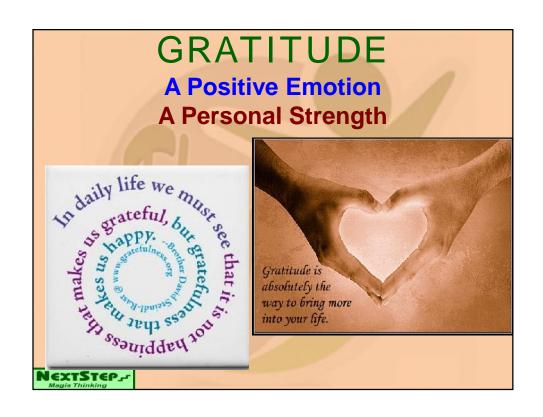


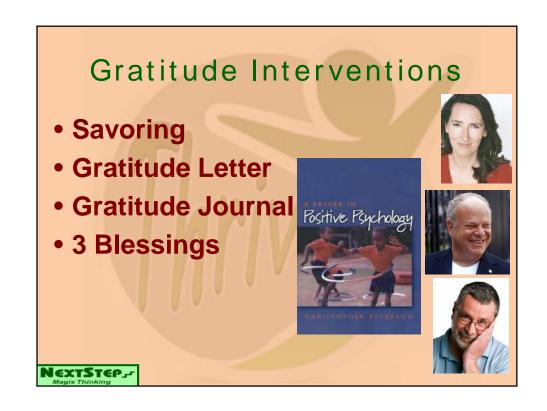


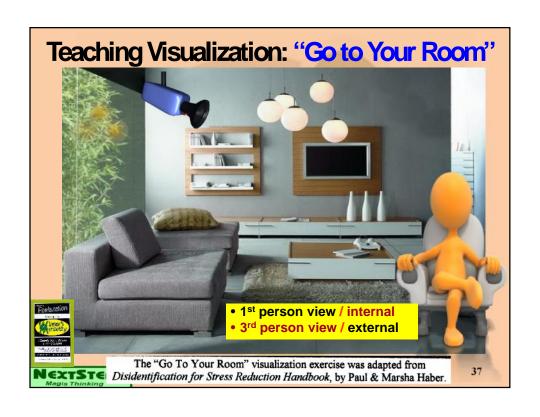






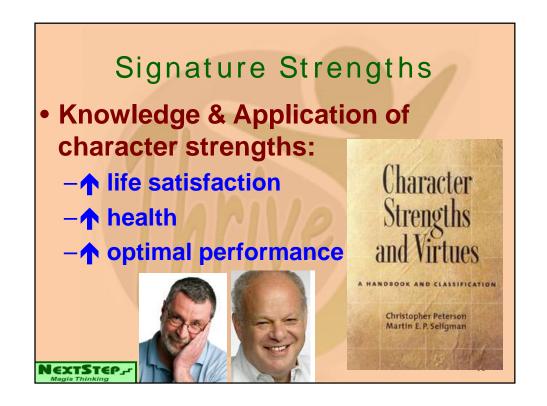


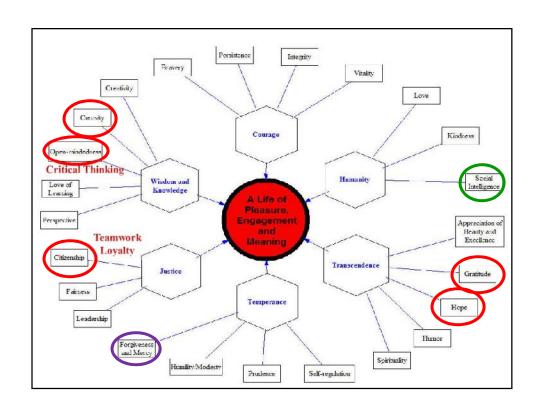


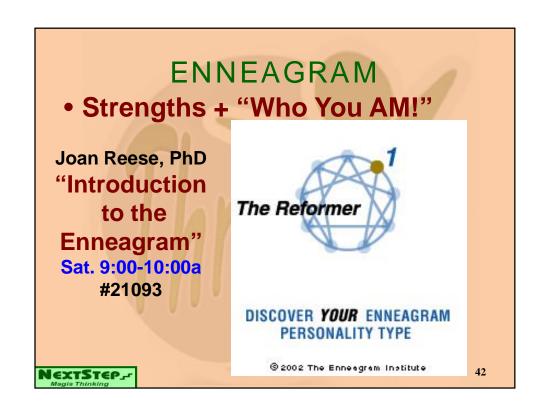


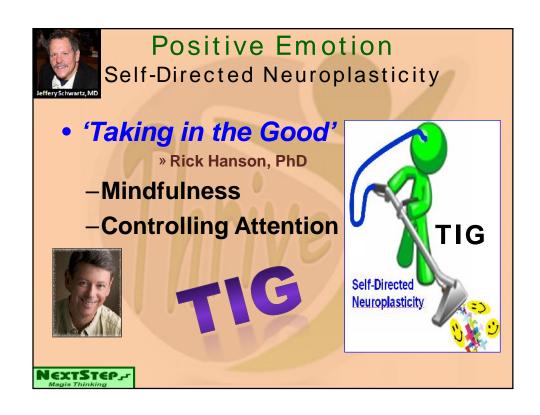




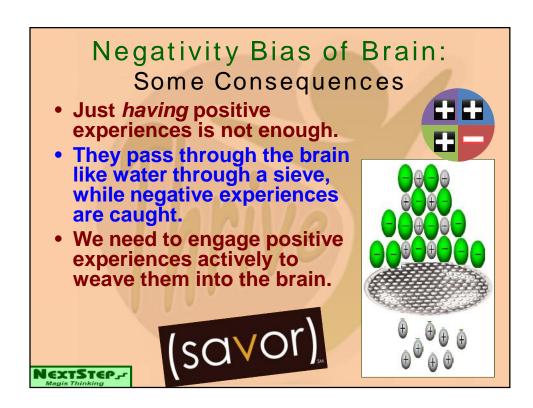








# Power of Mindfulness Controlling Attention • Attention is like a spotlight – it illuminates what it rests upon. • Neuroplasticity is heightened for what is in the field of focused awareness – Makes attention also like a vacuum cleaner sucking its contents into the brain • M Directing attention skillfully = a fundamental way to shape the brain - and one's life - over time NextStep. NextStep.



## Honoring Experience

- One's experience matters.
  - -Both for how it feels in the moment and for the lasting residues it leaves behind, woven into the fabric of a person's brain and being.



#### How to Take in the Good

- 1. Look for positive facts, and let them become positive experiences.
- 2. Savor the positive experience:
  - Sustain it for 10-20-30 seconds.
  - Feel it in your body and emotions.
  - Intensify it.
- 3. Sense and intend that the positive experience is soaking into your brain and body registering deeply in emotional memory.





## Why It's Good to Take in the Good

Feelazation

- Rights an unfair imbalance
  - given the negativity bias
- Gives oneself today the caring and support one should have received as a child, but perhaps didn't get in full measure
  - an inherent, implicit benefit
- Increases positive resources, such as:
  - Positive emotions
  - Capacity to manage stress and negative experiences
- Can help bring in missing "supplies"
  - e.g., love, strength, worth
- Can help painful, even traumatic experiences



Rick Hanson, PhD

# Benefits of Positive Emotions Taking in the Good (TIG)

- The benefits of positive emotions are a proxy for many of the benefits of TIG.
- Emotions organize the brain as a whole, so positive ones have far-reaching benefits, including:
  - Promote exploratory, "approach" behaviors
  - Lift mood; increase optimism, resilience
  - Counteract trauma
  - Strengthen immune and protect cardiovascular systems
  - Overall: "broaden and build"
  - Create positive cycles
  - Increase Resilience

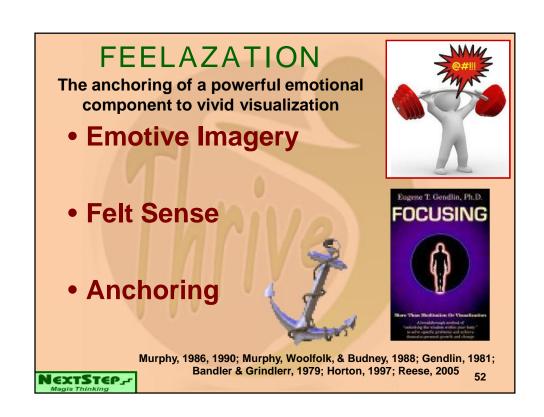


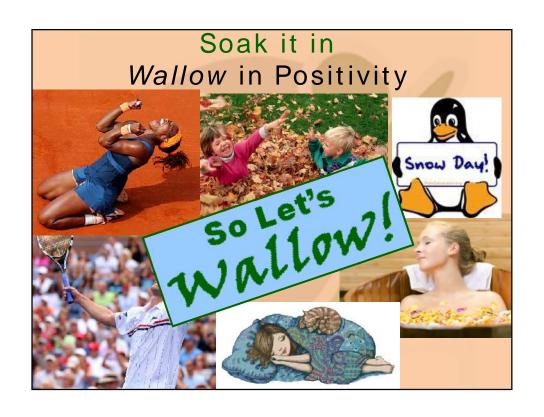
#### Targets of TIG

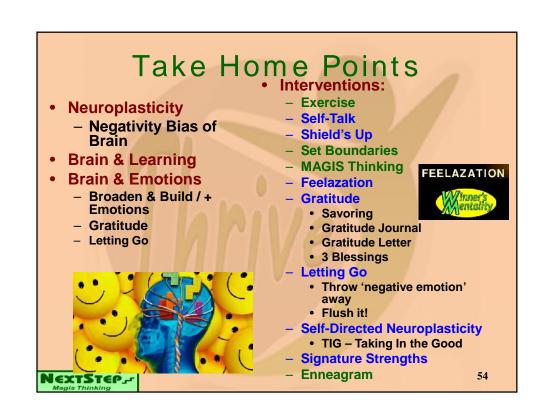
- Bodily States:
  - Healthy Arousal, PNS, Vitality
- Emotions:
  - Both Feelings & Moods
- Views:
  - Expectations, Object Relations
  - Perspectives on Self, world, past & future
- · Behaviors:
  - Repertoire, Inclinations

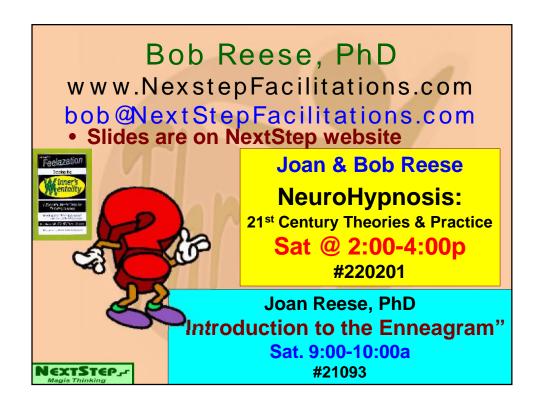












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