1 Positive Attitude
   • Optimism is strongly related to resilience.
   • Optimism is in part genetic, but it can be learned (cognitive behavioral therapy).
   *Neurobiological Mechanisms:* Reward circuits, converse of learned helplessness

2 Cognitive Flexibility Through Cognitive Reappraisal
   • Traumatic experiences can be re-evaluated by altering the event’s perceived value and meaningfulness.
   • One can receive a benefit from stress and trauma: one can reframe, assimilate, accept, and recover. These skills can be learned.
   • Failure is an essential ingredient for growth.
   *Neurobiological Mechanisms:* Memory Reconsolidation, Cognitive Control of Emotion, Memory Suppression

3 Embrace a Personal Moral Compass
   • Develop a set of core beliefs that very few things can shatter.
   • For many, faith in conjunction with strong religious and/or spiritual beliefs is associated with resilience.
   • Altruism has been strongly related to resilience. Survivor Mission.
   *Neurobiological Mechanisms:* Neural Model of Human Morality, Altruism, and Human Evolution

4 Find a Resilient Role Model
   • Role models can be found in one’s own life.
   • Imitation is a very powerful mode of learning.
   *Neurobiological Mechanisms:* Neuronal Imprinting of Human Values

5 Face Your Fears
   • Fear is normal and can be used as a guide; facing your fears can increase your self-esteem.
   • Learn and practice skills necessary to move through the fear.
   *Neurobiological Mechanisms:* Extinction, Stress Inoculation

6 Develop Active Coping Skills
   • Resilient individuals use active, rather than passive, coping skills.
   • Minimize appraisal of threat, create positive statements about oneself, seek support of others and act.
   *Neurobiological Mechanisms:* Functional Neuroanatomy of Fear Mechanisms

7 Establish and Nurture a Supportive Social Network
   • Very few can “go it alone”; humans need a safety net during times of stress.
   • Considerable emotional strength accrues from close relationships with people and organizations.
   *Neurobiological Mechanisms:* Cognitive Neuroscience of Human Social Behavior

8 Attend to Physical Well-Being
   • Physical exercise has positive effects on physical hardiness and mood, and improves self-esteem.
   *Neurobiological Mechanisms:* Effects on neurogenesis, cognition, regulation of emotion, immune function, etc.

---

**General Principles (we underestimate capacities of Mind, Brain, Body)**

9 Train Regularly and Rigorously in Multiple Areas
   • Change requires systematic and disciplined activity.
   • Concentrate on training in multiple areas: emotional intelligence, moral integrity, physical endurance.

10 Recognize, Utilize and Foster Signature Strengths
   • Learn to recognize your character strengths and engage them to deal with difficult and stressful situations.