



MODULE 1: WORLDVIEW SHIFT

1.1 Worldview Shift: Introduction

1.1.1 A Comprehensive Perspective

1.1.2 What Is a Worldview and Why Is It Important?

1.2 Two Worldview Lenses

1.3 The Disconnected Worldview

1.3.1 Scientific Perspective

1.3.2 The Importance of Shifting Our Worldview

1.3.3 How Did the Disconnected Worldview Arise?

1.3.4 Consequences of a Disconnected Worldview

1.4 Shifting Our Worldview

1.4.1 A Natural Evolution of a Society

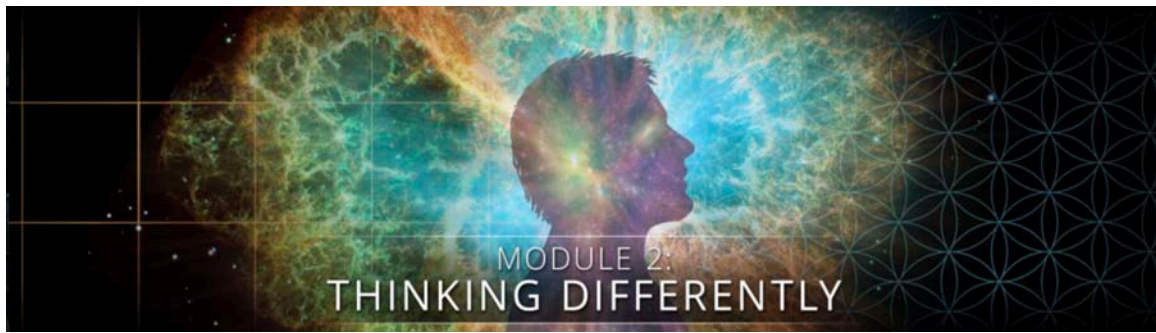
1.4.2 Shifting from Disconnected to Connected

1.4.3 Feedback is Inherent in Cosmic Evolution

1.5 Roots of Unified Physics and a Connected Worldview

1.6 Implications of a Connected Worldview

1.7 Summary



MODULE 2: THINKING DIFFERENTLY

2.1 Thinking Differently: Introduction to Thinking Differently

2.2 The Courage To Be Bold

2.2.1 Revolutions In Thinking

2.3 Different Thinkers - Roots of Scientific Ideas, For Better or Worse

2.3.1 Pythagoras

2.3.2 Plato

2.3.3 Euclid

2.3.4 Hypatia of Alexandria

2.3.5 Leonardo da Vinci

2.3.6 Nicolaus Copernicus

2.3.7 Giordano Bruno

2.3.8 Galileo Galilei

2.3.9 Johannes Kepler

2.3.10 Rene Descartes

2.3.11 Lady Anne Conway

2.3.12 Isaac Newton

2.3.13 Nikola Tesla

2.3.14 Max Planck

2.3.15 Albert Einstein

2.3.16 Barbara McClintock

2.4 Nassim's Personal Story of Thinking Differently

2.5 Principles of Thinking Differently

2.5.1 Question Everything

2.5.2 Intuitive Knowing

2.5.3 Follow the Breadcrumbs

2.5.4 Confirmations From Nature

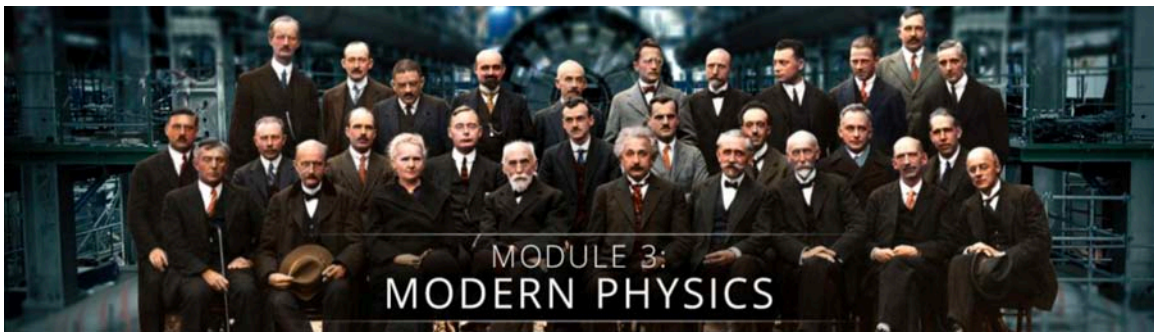
2.5.5 The Solution Is Always Beautiful

2.6 Changing Course - From 2D Isolation to Holographic Wholeness

2.6.1 Modern Physics - 2D Isolation

2.6.2 Unified Physics - Holographic Wholeness

2.7 Summary



Module 3: Modern Physics

3.1 Introduction

3.2 Reductionism

3.2.1 Descartes

3.2.2 Newton and His Contention to Cartesian Thinking

3.2.3 A Flat Universe

3.2.4 Summary

3.3 Closed systems

3.3.1 Energy

3.3.2 The Laws of Thermodynamics

3.3.3 Entropy

3.3.4 Summary

3.4 Einstein and the Relativity Revolution

3.4.1 Light and Special Relativity

3.4.2 Mass Energy Equivalence

3.4.3 Gravity and Einstein's 'General' Theory of Relativity

3.4.4 Black Holes

3.4.5 Summary

3.5 Quantum Theory

3.5.1 What does “Quantum” Mean?

3.5.2 Blackbody Radiation and the Ultraviolet Catastrophe

3.5.3 Planck Units

3.5.4 The Birth of Quantum Theory

3.5.5 Copenhagen Interpretation

3.5.6 Quantum Electrodynamics

3.5.7 Quantum Field Theory – Vacuum Catastrophe

3.5.8 Summary

3.6 The Standard Model

3.6.1 Fundamental Questions

3.6.2 Particles

3.6.3 The Strong Force

3.6.4 The Electroweak Interaction

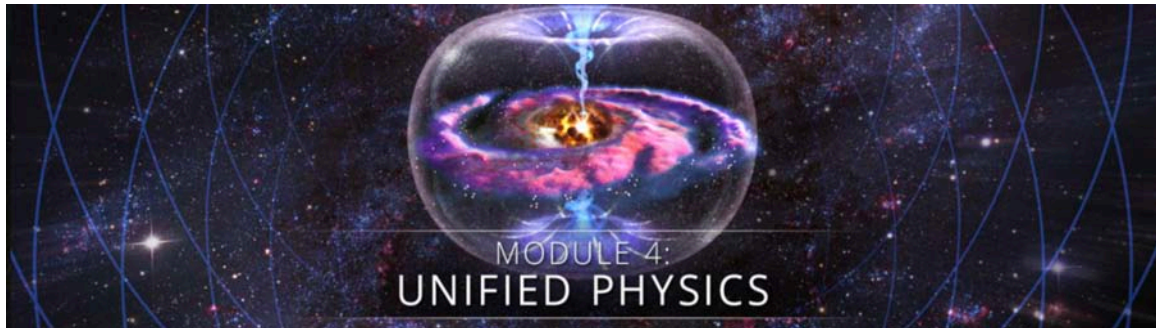
3.6.5 The Higgs Mechanism and Higgs Boson

3.6.6 Attempts at Unification

3.6.7 Quantum Gravity

3.6.8 Summary

3.7 Summary of Modern Physics



Module 4: Unified Physics

4.1 Introduction to Unified Physics

- 4.1.1 What is Unified Physics?
- 4.1.2 Big Unsolved Problems in Physics
- 4.1.3 Holographic Universe
- 4.1.4 Fractal Universe
- 4.1.5 Black Holes

4.2 Space

- 4.2.1 Modern Unified Theories & Space
- 4.2.2 99.99999999999996% Space
- 4.2.3 What is Spacetime?
- 4.2.4 Dividing Spacetime (Quantization)
- 4.2.5 The Density of Spacetime & Holographic Information Storage
- 4.2.6 Dark Energy & The Expanding Universe

4.3 Quantum Gravity

- 4.3.1 Resolving the Vacuum Catastrophe
- 4.3.2 A Quantized Solution for Gravity
- 4.3.3 Gravity at the Quantum Scale

4.3.4 Predicting the Radius of a Proton

4.3.5 Publishing the Solution and Predictions

4.3.6 Collective Quantum Coherence & The Source of Mass

4.4 The Confining Force

4.4.1 Introduction

4.4.2 The Hierarchy Problem

4.4.3 The Gravitational Coupling Constant

4.4.4 Energy and Spin of a Proton

4.4.5 A Unified View Emerges

4.4.6 Gravitational Falloff and The Yukawa Potential

4.4.7 Summary of Hamein's Solutions

4.5 The Connected Universe

4.5.1 The Holographic Network of Spacetime

4.5.2 Entanglement

4.5.3 The Universe is a Black Whole

4.5.4 Experiencing the Unified Network

4.5.5 Fundamental Harmonics of the Planck Scale

4.5.6 The Large Number Hypothesis

4.5.7 Cosmogenesis

4.5.8 Continuous Creation Model

4.6 Geometry & Spin

4.6.1 The Torus

4.6.2 The Origin of Spin

4.6.3 The Geometry of Spacetime

4.7 Summary



Module 5: Ancient Origins

5.1 Patterns, Symbols and Buckminster Fuller

- 5.1.1 Cosmic Patterns and Ancient Origins
- 5.1.2 Buckminster Fuller
- 5.1.3 Pattern Integrity and Fractal Structures

5.2 The Tetrahedral Structure of Space

- 5.2.1 Fuller's Tangential Sphere-Packing Model
- 5.2.2 The Tetrahedron and Teotihuacán
- 5.2.3 64 Tetrahedron Matrix

5.3 All-Space Sphere Packing

- 5.3.1 Hamein's Overlapping Sphere-Packing
- 5.3.2 Combining the Spheres and the 64 Tetrahedron Matrix
- 5.3.3 PSU Tiling and The Flower of Life

5.4 Signs from Ancient Times

- 5.4.1 Controversy at Abydos
- 5.4.2 Cultural Synergy
- 5.4.3 The Chinese Connection
- 5.4.4 I Ching and Taijitu Symbology

5.4.5 Continuing Our Journey

5.4.6 The Face and Name of God

5.4.7 Kabbalistic Tradition

5.4.8 Pythagoras, Egyptians and the Tetragrammaton

5.5 Journey of the Ark

5.5.1 The Ark and the Bible

5.5.2 Box Within Boxes

5.5.3 Gravity Control

5.5.4 Evidence of Gravity Control in Egypt

5.5.5 Codes Through The Ages

5.5.6 Newton's Ancient Sources

5.5.7 The Order of the Knights Templar

5.5.8 The Ark in Ethiopia

5.5.9 The Templars in Europe

5.5.X Ancient Origins in Modern Times

5.6 Summary



Module 6: Implications and Applications

6.1 Energy Generation and Gravity Control

- 6.1.1 Quantum Vacuum Engineering
- 6.1.2 Isolated Systems and their Impact On Society
- 6.1.3 Overunity Energy Generation and Gravitational Modulation
- 6.1.4 Civilization's Graduation from Type 0 to Type 1 or More
- 6.1.5 The EmDrive
- 6.1.6 Engineering the Spacetime Vacuum
- 6.1.7 Ladies and Gentleman, Spin Up Your Drives!
- 6.1.8 The So-Called Tajmar Effect

6.2 A.R.K™ Crystal

- 6.2.1 The A.R.K™ Resonator
- 6.2.2 A.R.K™ Crystal Experiments
- 6.2.3 Characterization of Biological Effects from Advanced Resonator Quartz Crystals
- 6.2.4 Materials and Experimental Methodology
- 6.2.5 Experimental Results
- 6.2.6 Faraday Cage A.R.K™ Crystal EM Shielding

6.2.7 Conclusions of A.R.K™ Crystal Plant Growth Experimentation

6.2.8 A.R.K™ Crystals for Personal Utilization

6.3 Biology and Awareness

6.3.1 On The Unified Physics of Biology and Awareness

6.3.2 Cellular and Molecular Information Processes

6.3.3 The Cellular Membrane

6.3.4 Deeper Dive: Cubic Membranes

6.3.5 The Cytoskeleton

6.3.6 Mitochondria and Electromagnetic Signaling

6.3.7 The Ubiquitous Presence of Awareness

6.3.8 Summary

6.4 The Bright Future of Humanity

6.4.1 Ecological Restoration

6.4.2 Planetary Terraforming

6.4.3 Traveling through Wormholes

6.4.4 Humanity's Interstellar Future

6.5 Summary & Course Completion