The Science of *His Dark Materials*—Topics

Light Biology

Electromagnetism Natural selection

The visual spectrum Human and animal adaptation

Our sun Pollination

The nature of stars Hummingbirds

The Aurora Borealis Photosynthesis

Polarization of light Carbon cycle

Interconnectivity

The Science of Making Choices

Classical and Modern Physics

Dark matter What is happening in the brain during the

Dark energy act of making choices?

Gravity Probability in quantum physics

Newton's Laws Self-locating uncertainty

Laws of Thermodynamics Dynamical collapse

Atoms Negative capability

Particle physics The science of religious belief

Relativity Free will vs. determinism

The nature of spacetime Oracles and prophecies

Quantum mechanics The I Ching

Entanglement

Decoherence

Many Worlds Theory

Hidden dimensions

Flatland

String theory

Quantum computing

The Unconscious Mind

Jungian analysis – archetypes, the collective unconscious, the shadow, the daimon

Dreaming

The hypnogogic state

Trances and altered states of consciousness

Sympathetic and parasympathetic nervous systems

The brain in equanimity