Two approach to organize **General System Theory**

Complementary Hierarchy Of Complexity Of Organization **Pick Out General Phenomena** Examples of general phenomena **Trascendental Systems** Dynamics of the aggregates of individuals Interaction of an individual with its environment A Set Of Roles (Basic Unit) Tied Together With **Social Organization Channels Of Communication** School Individual behavior: growth Possess Self Consciousness And The Ability To **Human Beings** Comprehend Language And Symbolism Individual behavior: communication Increased Mobility, Teleological Behavior And Self-Awareness, Have A Domesticated Knowledge Structure, Specialized 'information Receptors Animals A Division Of Labor Among Cells, A Sharp Differentiation Between The Genotype And The Phenotype, Associated With The Phenomenon Of **GMO** Equifinal Or "Blueprinted" Growth Life Emerges, Have Self-Maintaining Structure And Throughput Of Material Amoeba

Cells

Plants

Animals

Thermostats

Clockworks Predetermined, Necessary Motions.

Control Mechanisms Or Cybernetic System, Transmission And

Interpretation Of Information, Tendency To Move To Equilibrium

Frameworks Static Structure Supercomputer

"Classical" Natural Science

Events, Ideas, Theories, Statistics, And Empirical Data

Where we capable of modellinhg

Complexity

Examples of Systems

Hierarchy Of Complexity Of Organization

Trascendental Systems A Set Of Roles (Basic Unit) Tied Together **Social Organization** With Channels Of Communication **Human Beings** Possess Self Consciousness And The Ability To Comprehend Language And Symbolism Increased Mobility, Teleological Behavior And Self-Awareness, **Animals** Have A Knowledge Structure, Specialized 'information Receptors A Division Of Labor Among Cells, A Sharp Differentiation Between **Plants** The Genotype And The Phenotype, Associated With The Phenomenon Of Equifinal Or "Blueprinted" Growth Life Emerges, Have Self-Maintaining Structure And Cells Throughput Of Material Control Mechanisms Or Cybernetic System, Transmission **Thermostats** And Interpretation Of Information, Tendency To Move To Equilibrium **Clockworks** Predetermined, Necessary Motions. **Frameworks** Static Structure

"General Systems Theory Is The Skeleton Of **Observe An Existing** Science In The Sense That It Aims To Provide A **System (Top-Down)** Framework Or Structure Of Systems On Which To Hang The Flesh And Blood Of Particular Disciplines And Particular Subject Matters In An Orderly And Coherent Corpus Of Knowledge" School Role Students **Teacher Create An Artificial System** (Bottom-Úp) Perform Action Synthetic Bacteria AI? Microprocessor Nervous Aggregate Genome System **Transistor** Codon

Complexity

Where we capable of modellinhg

Other Ways We Might Frame Systems.

Frame Systems In Relation To Human

