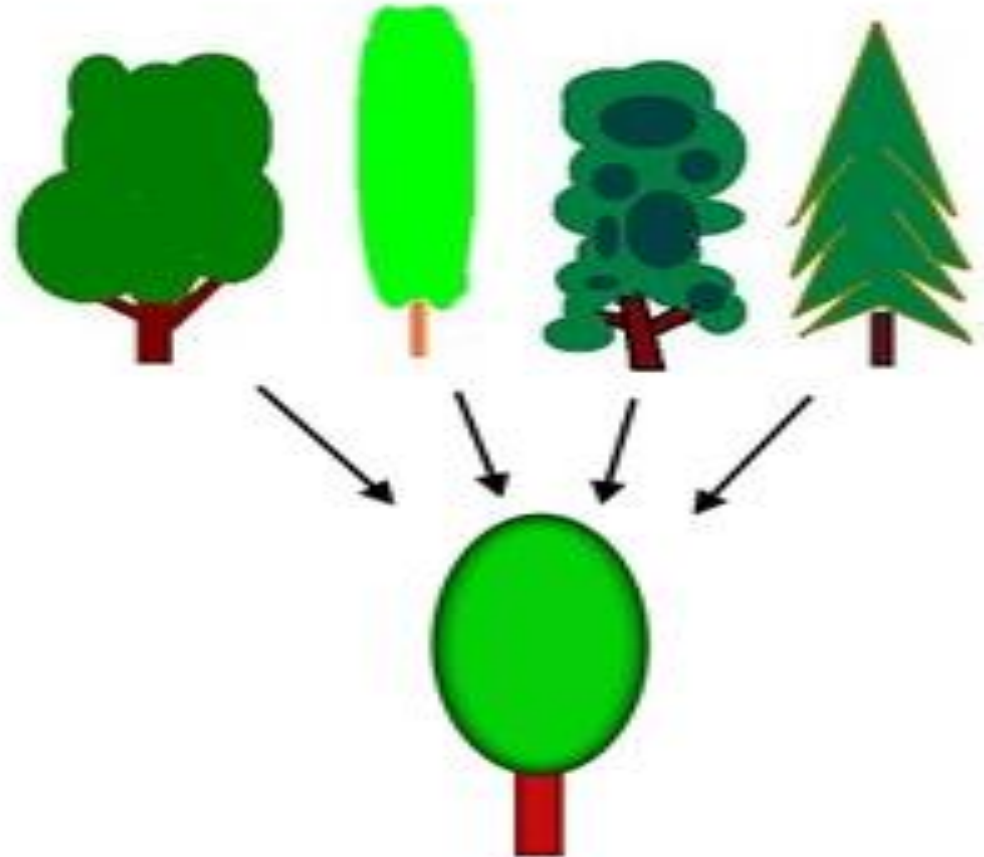

TARSUS AMERICAN COLLEGE

IB Day 2015

Günseli Yüksel
Evren Solak Öz

What does 'concept' mean?

A general
idea derived
from
specific
instances



What does 'concept based teaching' mean?

Concept based teaching in IB

IB LP

Aims and Objectives

Group 1- Language A: encourage, through the study of texts, an appreciation of the different perspectives of people from other cultures, and how these perspectives construct meaning – **open-minded, knowledgeable**

Group 3 – TITC – develop an appreciation of historical, geographical and sociological inquiry from various perspectives – **open-minded, knowledgeable**

Group 5 – Mathematics - appreciate the international dimension in mathematics through an awareness of the universality of mathematics and its multicultural and historical perspectives - **open-minded, knowledgeable**

WHAT DO WE TEACH?

&

HOW DO WE TEACH?

FACTS

- Definitions of simile, metaphor...
- The areas of the world that have overpopulation
- Definition of media literacy

OR

IDEAS

features of communication define the communicator's style

increasing human/environmental interactions change the environment

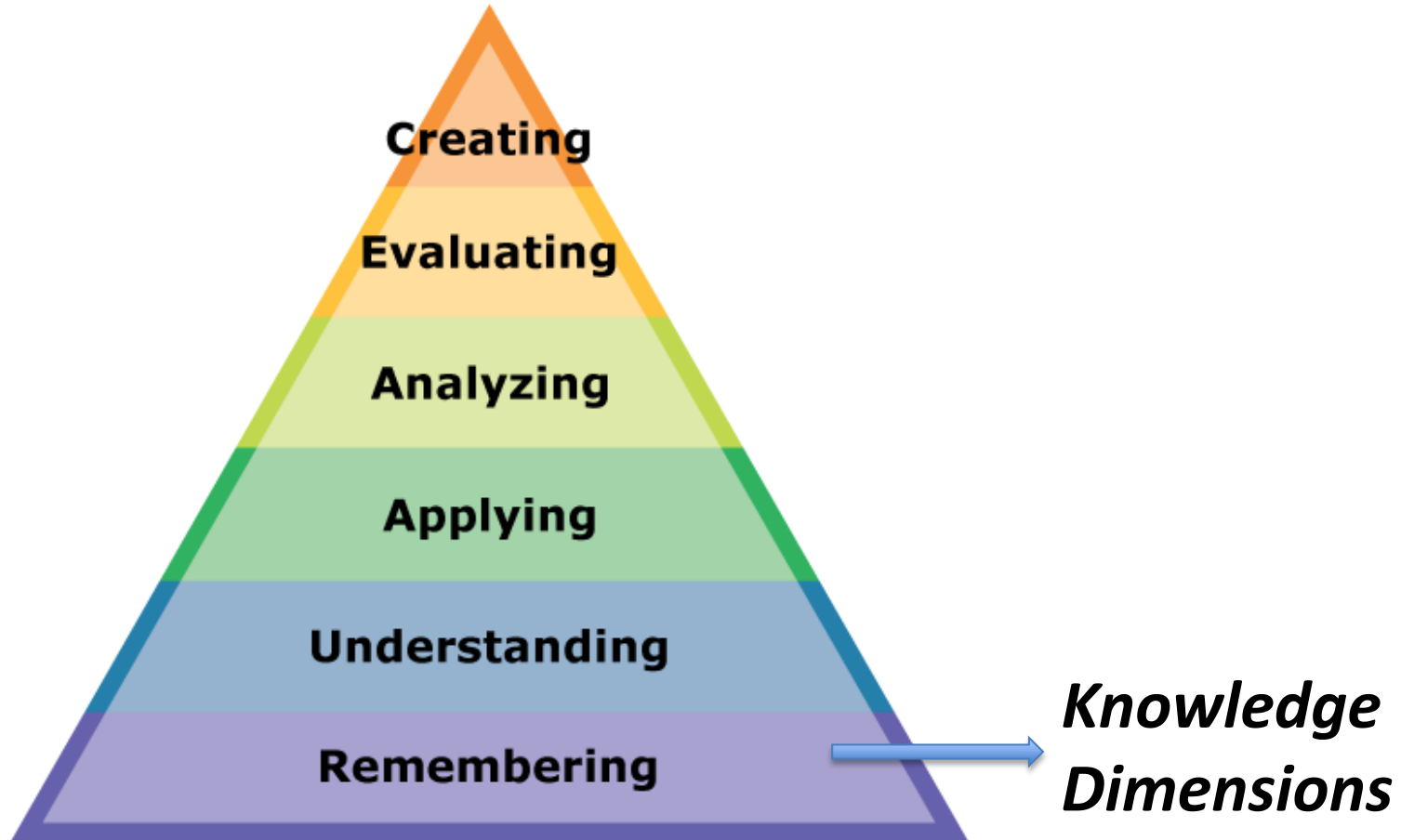
perspective shapes our opinions

For HIGHER LEVEL THINKING

By using ‘**specific instances,**’

*we teach the **general ideas,** which are **transferrable** across the various contexts.*

Bloom's Taxonomy & Concept Based Model

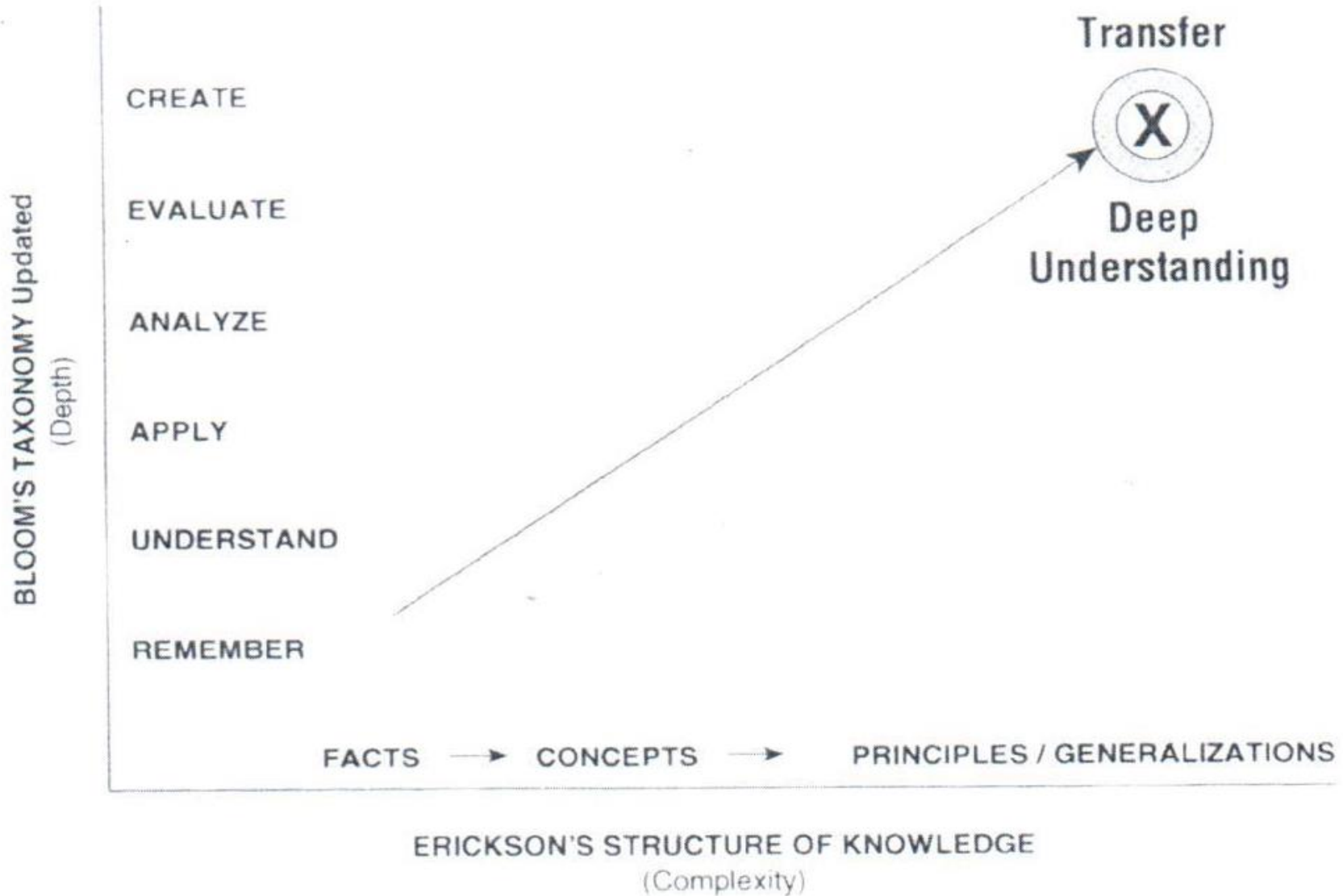


Cognitive Processes

Knowledge	REMEMBER	UNDERSTAND	APPLY	ANALYZE	EVALUATE	CREATE
FACTUAL	List	Summarize	Classify	Order	Rank	Combine
CONCEPTUAL	Describe	Interprete	Experiment	Explain	Assess	Plan
PROCEDURAL	Tabulate	Predict	Calculate	Differentiate	Conclude	Compose
METACOGNITIVE	Appropriate Use	Execute	Construct	Achieve	Action	Actualize

Texas Depth and Complexity Model

Figure 2.4 Texas Depth and Complexity Model



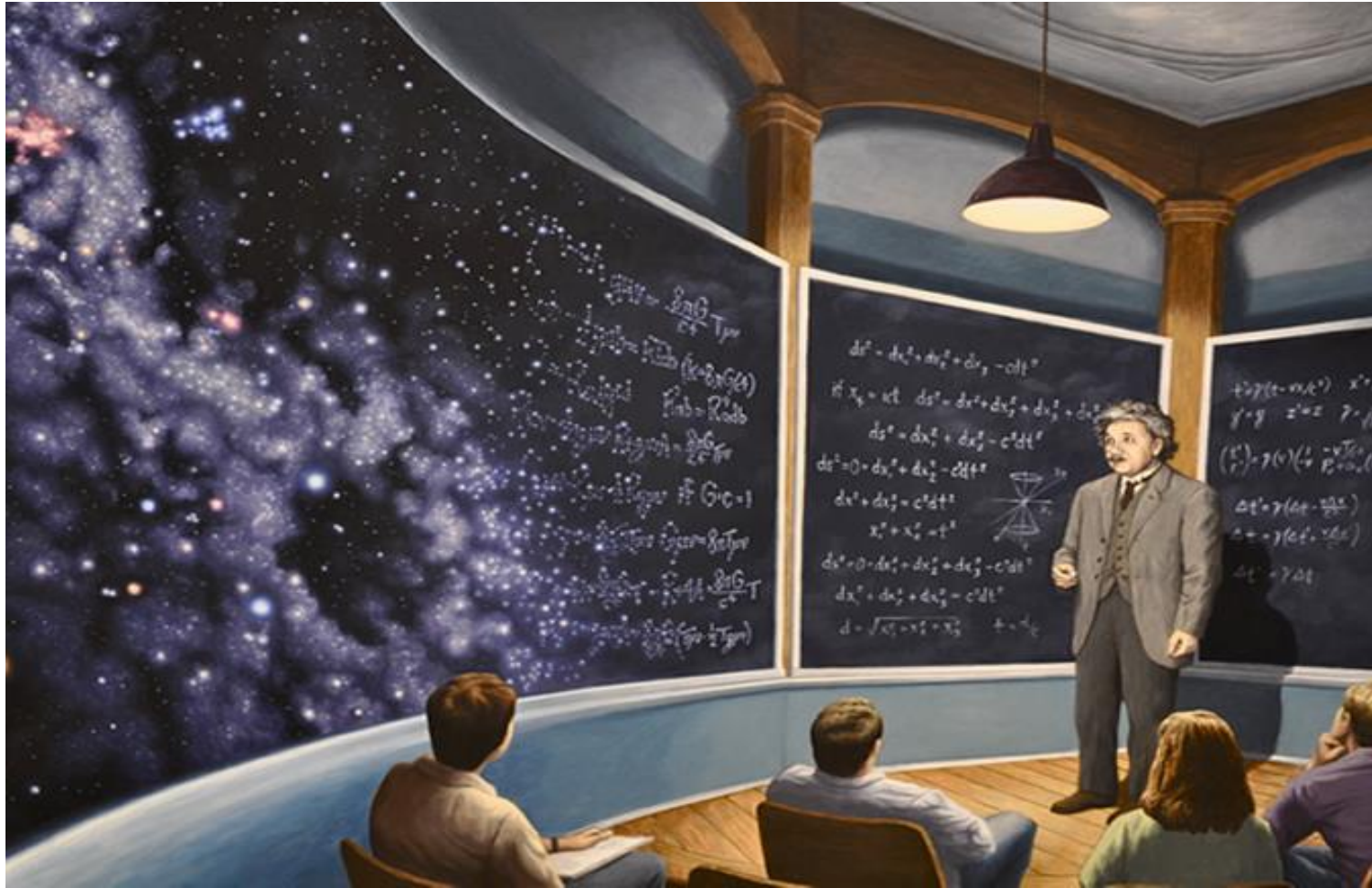
Concept Based Teaching Requires;

- Synergistic Thinking
- Transfer of Knowledge
- Social Construction of Knowledge

Synergistic Thinking

Memorizing Facts Alone Does not Help
Students See The Big Picture





Transfer of Ideas

The chalkboard Universe by Rob Gonsalves

Collaborative work



SOME KEY CONCEPTS

Conflict

Complexity

Beliefs and values

Paradox

Interdependence

Interactions

Freedom

Transformations

Force

Identity

Patterns

Relationships

Origins

Change

Revolution

Perspective

Reform

Heroes

Power

Influence

System

Balance

Structure/Function

Innovation

Design

Genius

Aesthetics

Creativity



Subject Area Concepts

SCIENCE	SOCIAL STUDIES	CONCEPTS IN TEXT	WRITER'S CRAFT	READER'S CRAFT
Order	Conflict/Cooperation	Prejudice	Organization	Inference
Organism	Patterns	Perspective	Word Choice	Context Clues
Population	Supply/Demand	Conflict	Context	Meaning
System	System	Cooperation	Conventions	Paraphrase
Change	Change/Continuity	Power	Fluency	Summary
Evolution	Culture	Relationships	Voice	Text Structure
Cycle	Scarcity	Envy	Presentations	Reading Rate
Interaction	Civilization	Emotions	Symbolism	Directionality
Energy	Interdependence	Oppression	Allegory	Self-regulation
Matter	Cycle	Influence	Metaphor	Imagery
Equilibrium			Protagonist	Genre
			Antagonist	Background Knowledge

Concept: INTERDEPENDENCE

Topic: Speech-Assimilation

It is concerned with one sound becoming phonetically similar to an adjacent sound.

The plural of 'Dog' is 'dogs' and pronounced with /z/- FACT

Sociology

- **Assimilation in sociology**, is the blending of minority groups into the dominant society;

Ex: Blending of European immigrants into American society.

Biology

Assimilation in biology is the transformation of external materials into substances inside the body that help the body to grow and function normally..

Example of biological assimilation;
Photosynthesis...

FACTS

OR

IDEAS

- **Phonetic variety due to affixation**

or

- **Timeline for blending of European immigrants into American society.**

or

- **Food processing inside the human body**

The interdependent relations built among the parts of a whole as a result of their interaction

THE FACTUAL KNOWLEDGE IS LOCKED IN TIME,
PLACE or SITUATION

whereas

CONCEPTS TRANSFER THROUGH TIME, ACROSS
CULTURES, AND SITUATIONS

ENGLISH

Concept: Style /Uniqueness

Topic: Figurative Language

Question: How does style influence the communication?

ENGLISH

Read the text

Identify and Explain the literary device

Analyze their effect on meaning.

Rewrite the same extract in your own words and
compare it with the original one

Create an image to give the same message

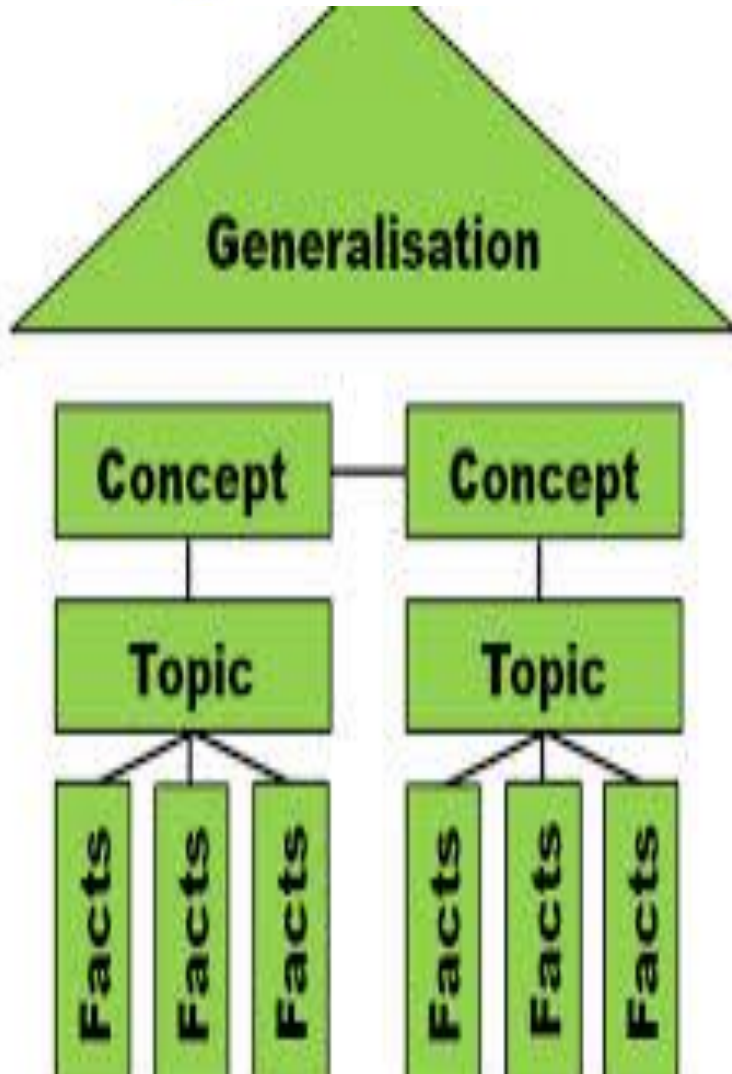
ENGLISH

Bloom's Taxonomy: Remember, Understand, Analyze, Create, Transfer knowledge (Texas Depth and Complexity Model)

LP: communicator; thinker

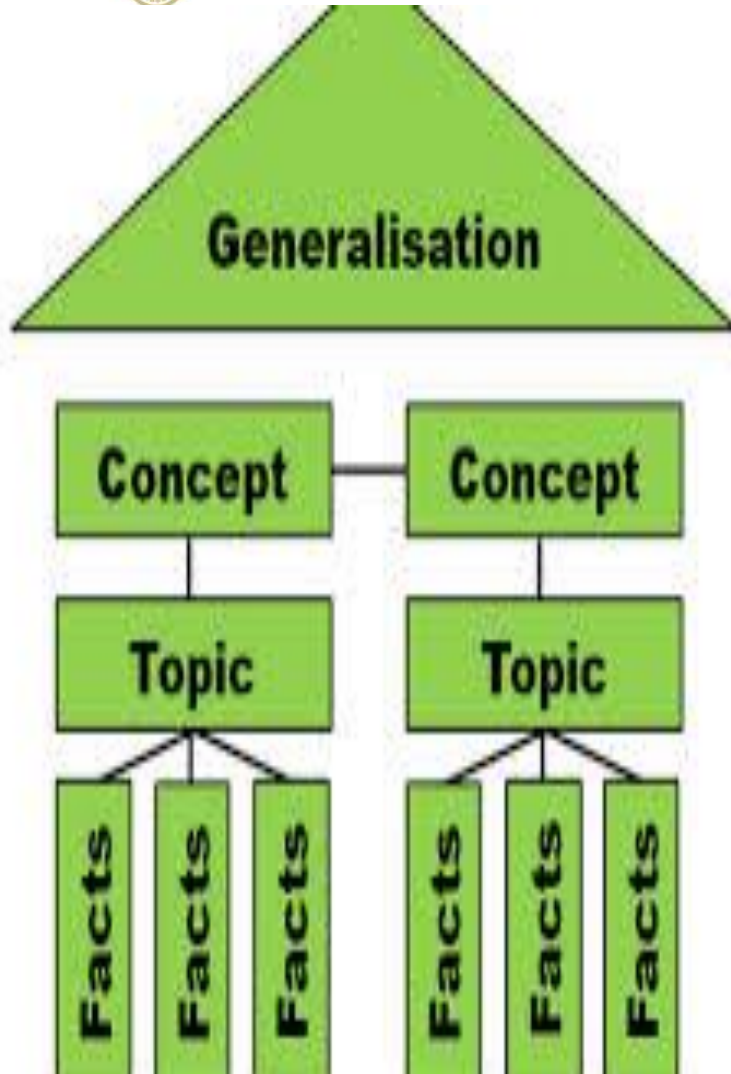
Understanding: shape or form influence meaning. The way a meaning is transferred is unique to its transmitter and defines his/her identity.

CONCEPT:Change



GEOGRAPHY: Change in the structure of a landscape alters the ecosystems within that landscape.

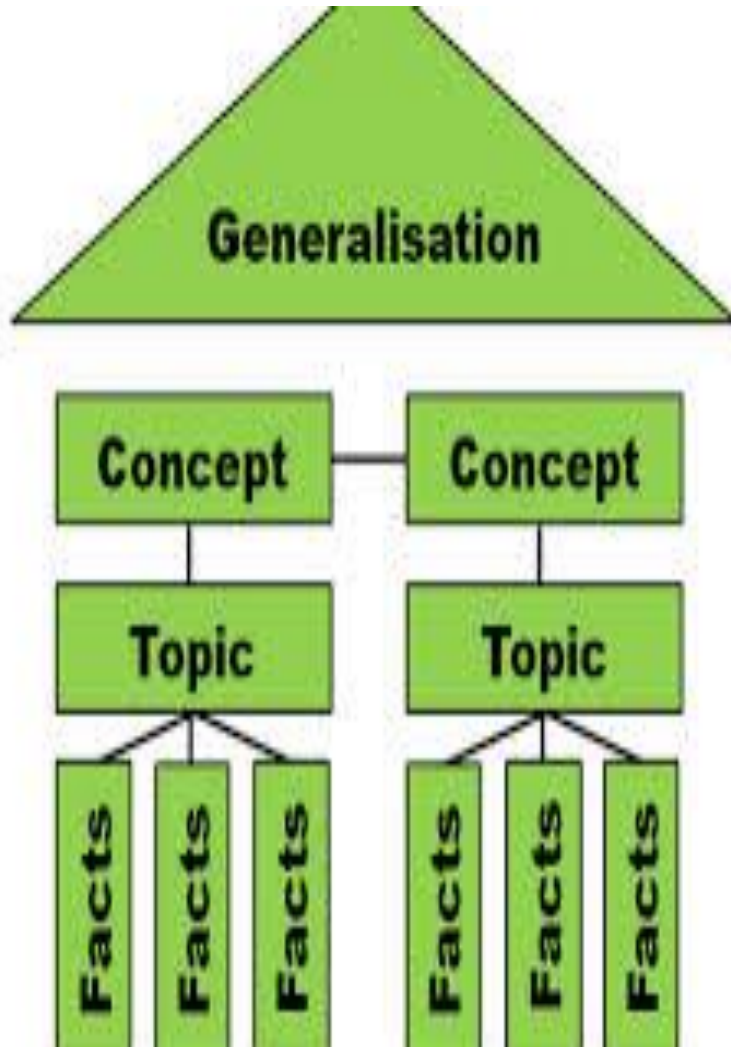
- Change-ecosystems-Interdependence
- Three Gorges Dam in China
- Location of the dam, important environmental issues caused by it



CONCEPT:Change

HISTORY: The developments that occurred in the world history led to changes in politics, economies and culture of today's countries.

- Change-Culture-Interdependence
 - WW 1
 - Causes and results of WW1

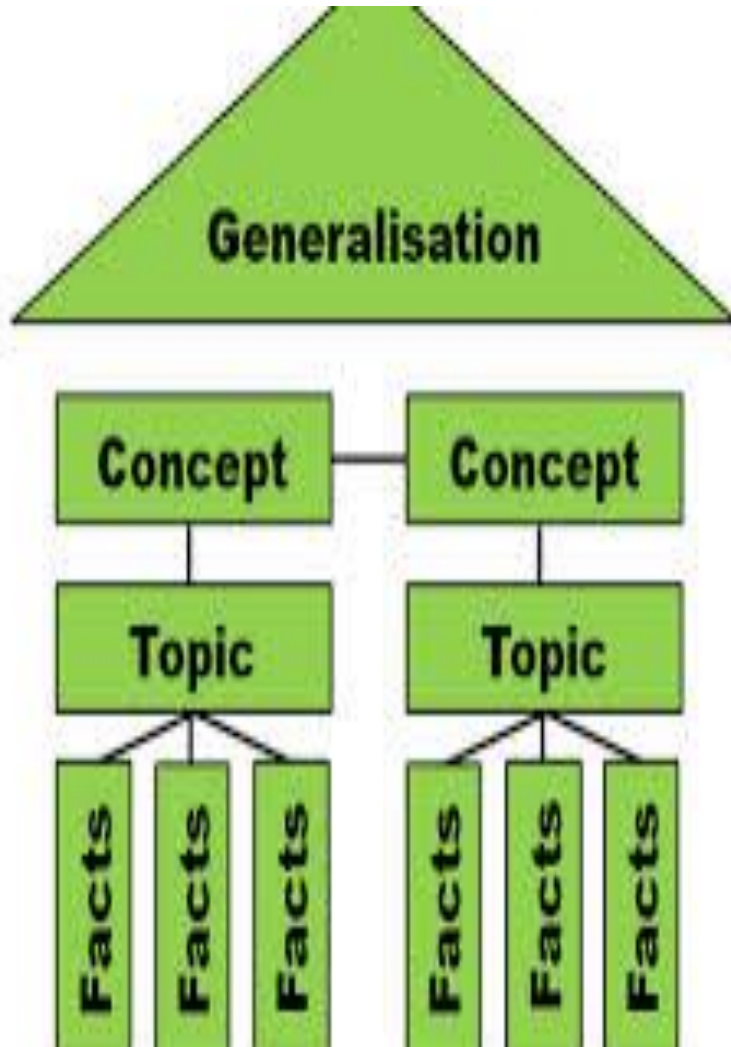


CONCEPT:Change

ENGLISH: Language, culture and context change the ways in which meaning is constructed and received.

- Change-context-meaning-culture-interdependence
- Hamlet
- Information about the author,cultural and political context in which the play was written

CONCEPT:Change



PHYSICS: Energy can change from one form to another yet the total amount of energy is conserved. Energy is neither created or destroyed.

- Change-Transformations-Energy
- Energy Conservation; Energy Transformations
- Kinetic Energy, Gravitational Potential Energy, Mechanical Energy, Energy Lost Due to Friction

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