

Session 1



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C-EDUC1 (3 units)

The Child and Adolescent Learners
and Learning Principles

Fall Semester 2023

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**Growth and Development: Definitions,
Concepts and its Importance
to Human Development**

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Basic Concepts of Human Development

Session Objectives:

- ✓ Define the basic concepts on Child and Adolescent development in relation to growth and maturity.
- ✓ Recognize the uniqueness of each newborn reflexes in relation to basic learning.
- ✓ Identify the developmental episodes in each stage of human development.

Basic Concepts of Human Development

Human Development



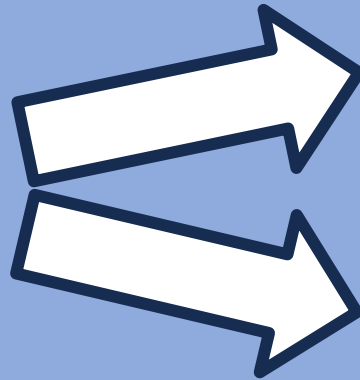
Picture source: <https://www.istockphoto.com/vector/human-age-sequence-stick-figure-woman-people-ageing-process-vector-icon-set-growing-gm1334433105-41655355?phrase=birth%2Bto%2Bbold%2Bage>

A development pattern that activates during conception and grows continuously through the life span (Santrock, 2002)

Basic Concepts of Human Development

Human Development Child & Adolescent Learners

Change



Growth

Maturity

Basic Concepts of Human Development

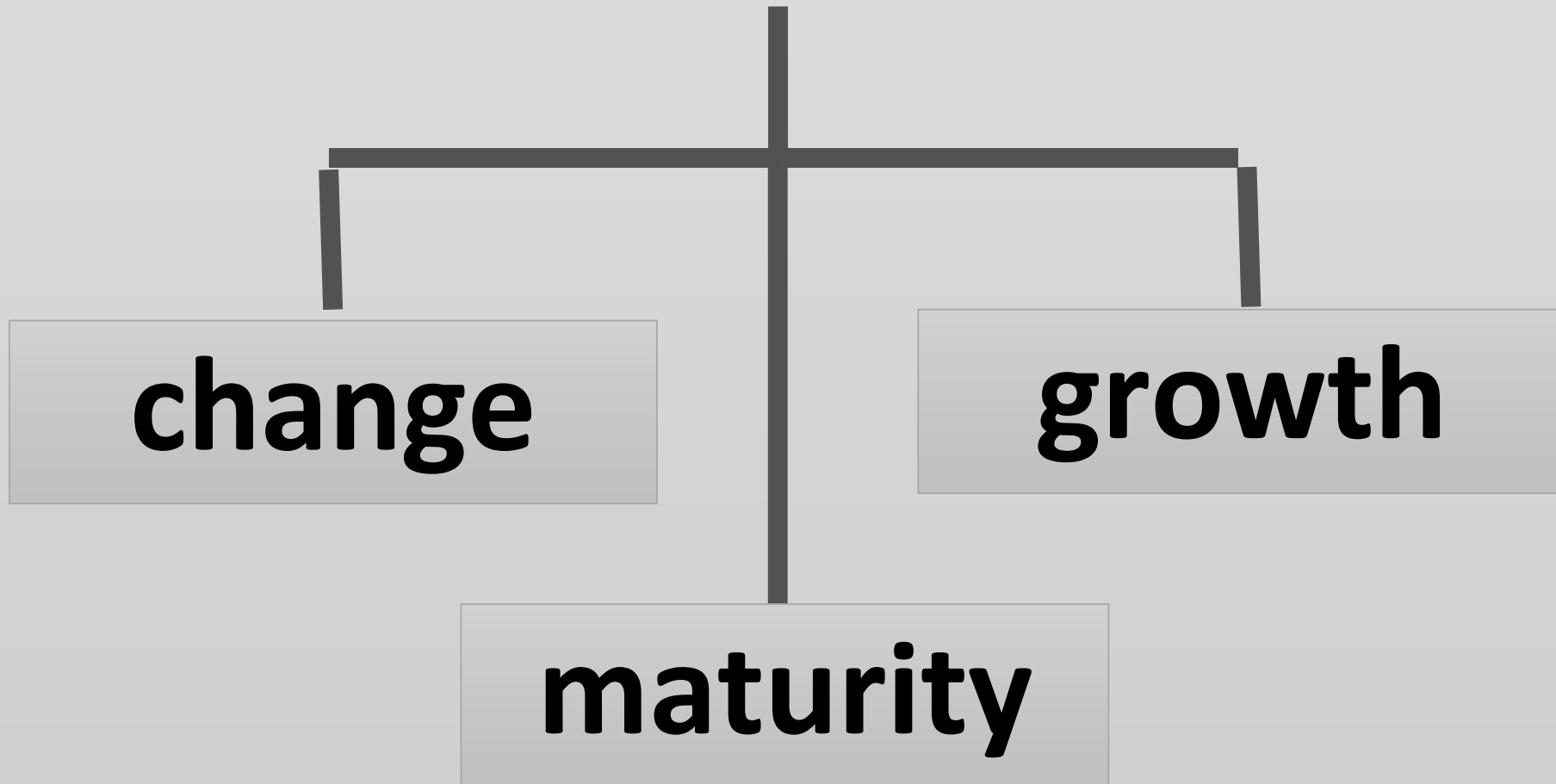
GROWTH

- ✓ ***Physical***
- ✓ ***Increase in size and number***
- ✓ ***Measurable***

MATURITY

- ✓ ***Mind & Emotions***
- ✓ ***Changes through time, circumstance and experience***

DEVELOPMENT



Stages of Human Development

Life-Span Approach:

Child Development (0-11)

Adolescent Development (12-19)

Adult Development (20 onwards)

Periods of Development

Child Development

- Prenatal Period
 - **Infancy**
 - **Early Childhood**
- **Middle & Late Childhood**

Adolescent Development

- **Early Adolescence**
- **Late Adolescence**

Adult Development

- **Early Adulthood**
- **Middle Adulthood**
- **Late Adulthood**

Prenatal Period

Fertilization

Conception

Embryo or Fetus

Ready for birth



Infancy

0-2 years

Photo used is own by the author. The child on the picture is her grandson.

Emotional-Sensory Perceptions



Symbolic
Thought



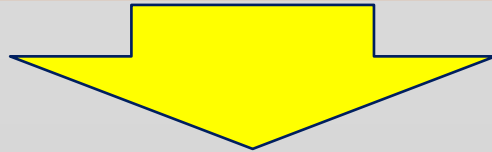
Language

Sensorimotor
Coordination

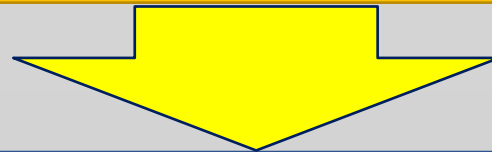
Social
Learning



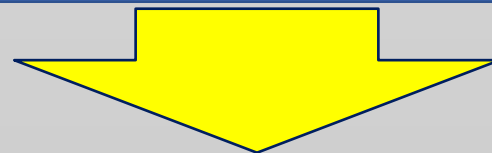
John Locke's **Tabula Rasa** Theory



empty mind at birth



Basic mechanisms for survival



REFLEXES

Reflex

-automatic movement or reaction to stimuli as a baby's adaptive response to the environment prior to learning. (Santrock, 2002)

sucking

grasping

rooting

stepping

moro/startle

swimming

Newborn Reflexes

Babinski reflex - Sole of foot stroke

Rooting Reflex - assist baby to find food
/breastfeeding

Newborn Reflexes

Palmar Reflex -to assist baby for grasp development

Sucking – mouth touched by object

Newborn Reflexes

Moro Reflex – extension and flexion of arms and legs

Parachute Reflex – stimulates fall/ extends arms

Newborn Reflexes

Blinking Reflex – flash of light or puff of air

Swimming – place face down in water

Reflex

Motor
Development

gross

locomotor

non-locomotor

manipulative

fine

works of
the hands,
arms &
fingers only

Language is well-established

Socio-physical

Self-identity

Readiness for schooling

Gender roles

Parent-child relationship

Early Childhood

3-5 years



Photo used is own by the author. The people in the photo are the author's family.

**Middle
Childhood
6-11 years**

Psycho-Physical

Logical Thinking

**Psychosocial
& Moral**

**Family Relationship
on emotional &
social adjustment**

Early Adolescence

12-14 years

Sexual Attraction

Seeking Independence

Sense of Belonging



Photo used is own by the author. People in the photo are the author's relatives.

Positive Self-concept
Career Choices
Family Development

Late
Adolescence
15-19 years

Adulthood

20 years onwards



Photo used is own by the author. The people in the photo permitted its use.

Factors Influencing Development

GENERAL INFLUENCES ON HUMAN DEVELOPMENT

Maturation

Active Experience

Social Interaction

Cultural and Situational Contexts

**General Domains /
Aspects
of Development**

Physical Development – pertains to the changes in the body structure and functions over time.

Cognitive Development – it refers to the gradual and orderly changes in the individual's mental processes from simple to complex.

Physiological Development – it is the changes in personal and interpersonal aspects of an individual such as motives, emotions, personality traits and interpersonal skills

Thank you!

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