

Childhood And Adolescence

Semester I

As per the syllabus of University of Mysore

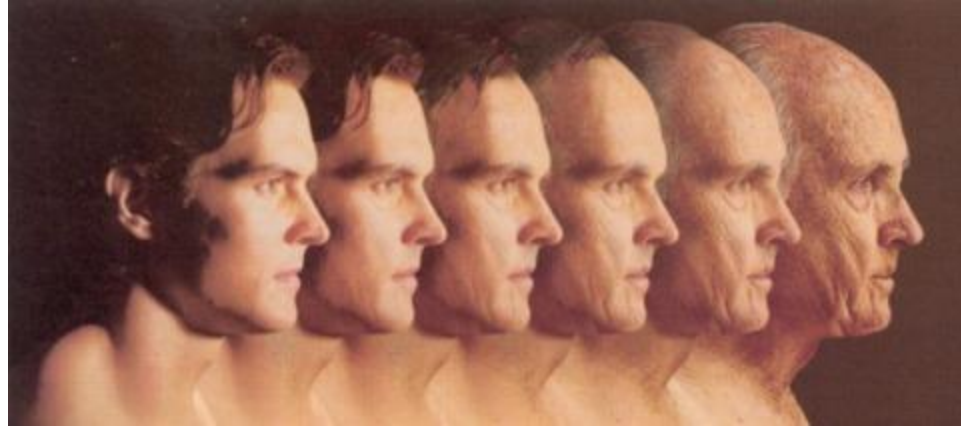
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Unit 1 Approaches to Human Development
Sub unit 1.2 Concept and Principles of Human
Development

ಮಾನವ ವಿಕಾಸದ ಪರಿಕಲ್ಪನೆ ಮತ್ತು ತತ್ವಗಳು



OBJECTIVES

- By the completion of this Sub-unit the student trainee will be able to
 - Explain the process of development.
 - Critically analyse developmental variations among children.
 - Comprehend the functions of human development.
 - Analysing different factors influencing human development.

functions

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graph LR; A[functions] --- B[Directly enhancing human ability]; A --- C[Creating conditions for HD]
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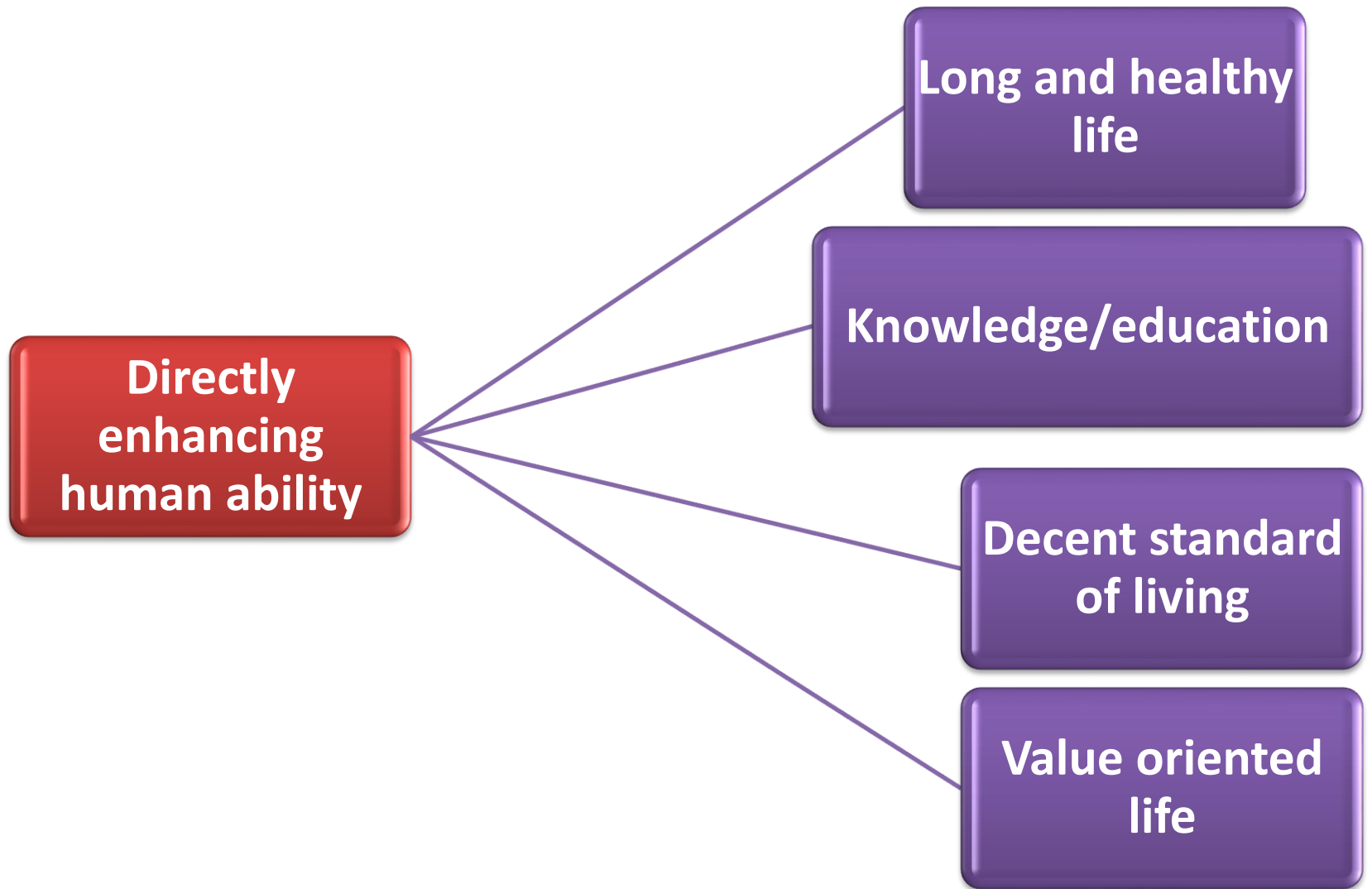
**Directly
enhancing
human ability**

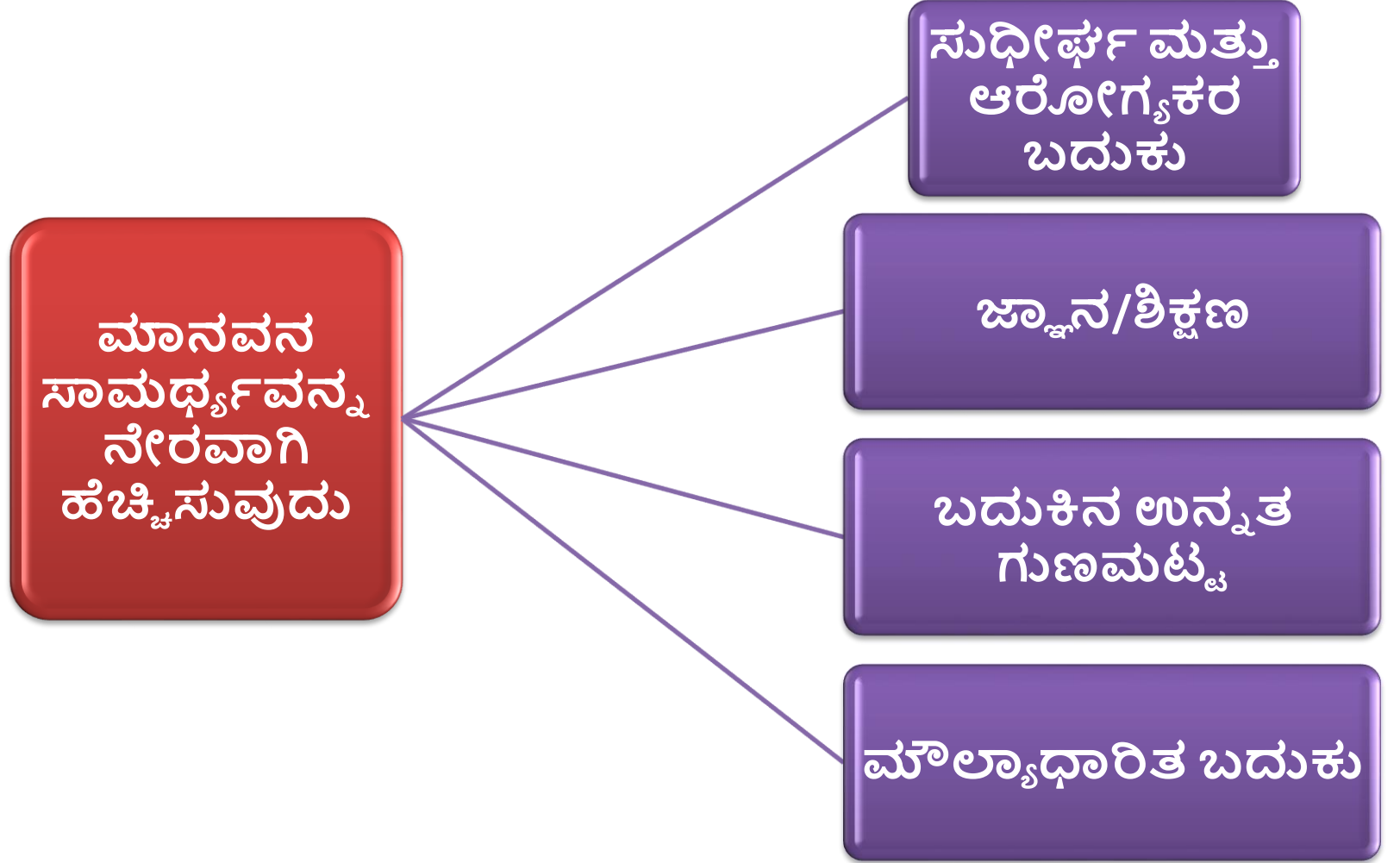
**Creating
conditions for
HD**

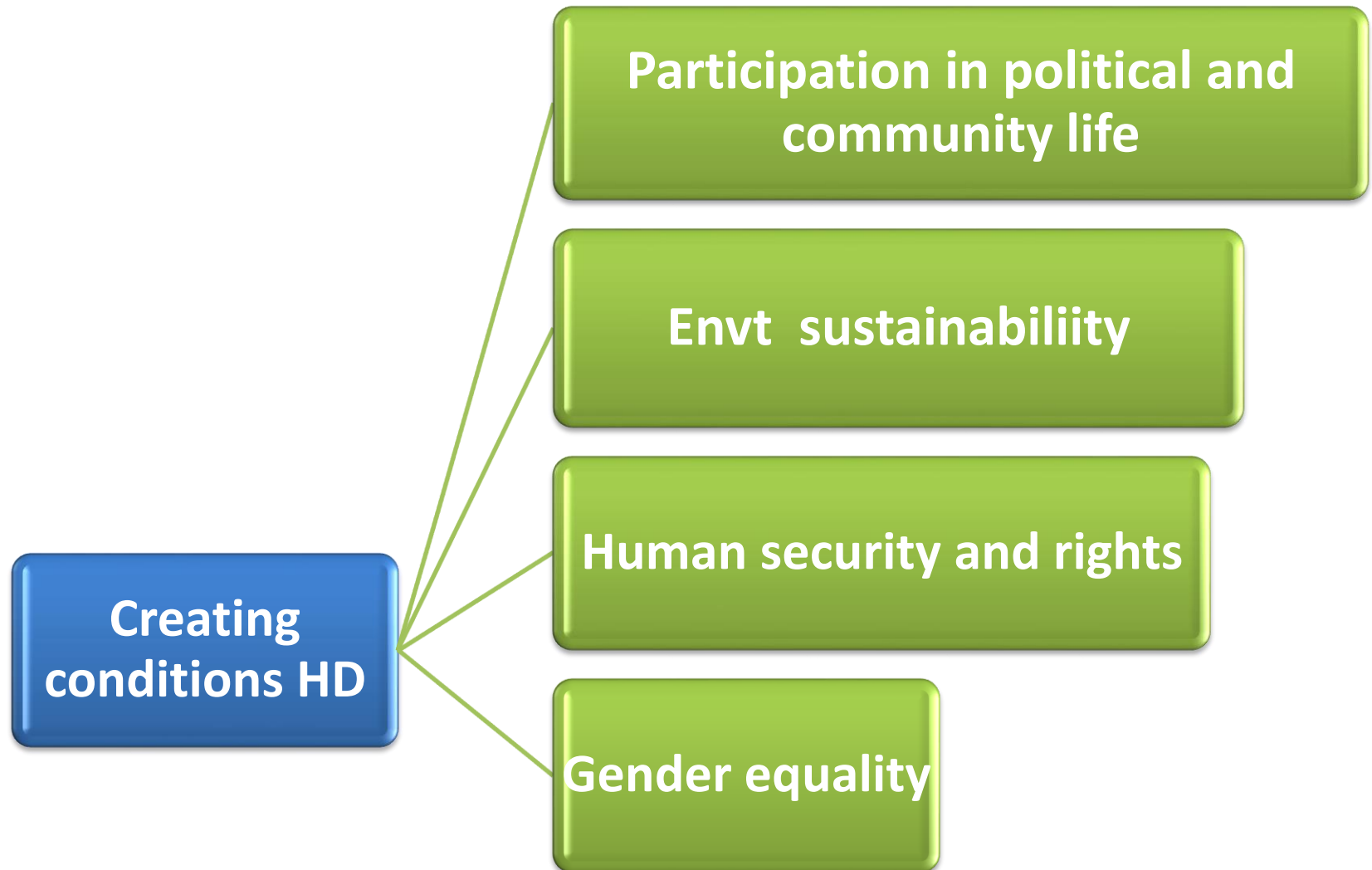
ಕಾರ್ಯಗಳು/ಆಯಾಮಗಳು

ಮಾ.ವಿ ಕ್ಕೆ ಅವಕಾಶಗಳ ಸೃಷ್ಟಿ

**ಮಾನವನ ಸಾಮರ್ಥ್ಯವನ್ನು
ನೇರವಾಗಿ ಹೆಚ್ಚಿಸುವುದು**







ಮಾ.ವಿ ಕ್ಕೆ
ಅವಕಾಶಗಳ ಸೃಷ್ಟಿ

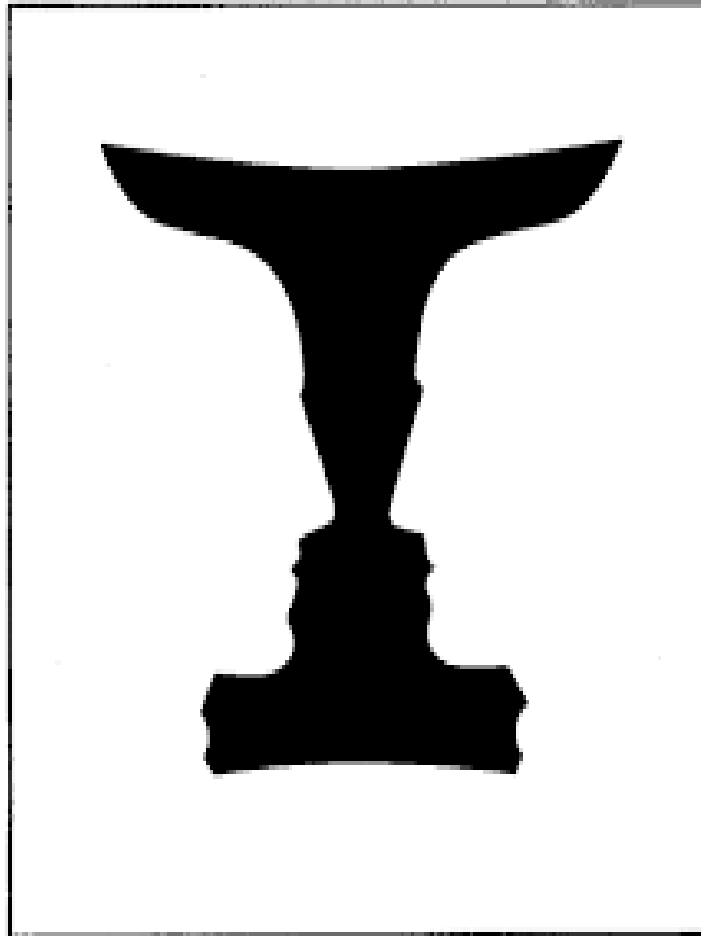
ಪ್ರಾಕೃತಿಕ ಸುಸ್ಥಿರತೆ

ರಾಜಕೀಯ ಮತ್ತು
ಸಮುದಾಯ ಬದುಕಿನಲ್ಲಿ
ಭಾಗವಹಿಸುವಿಕೆ

ಮಾನವ ರಕ್ಷಣೆ ಮತ್ತು
ಹಕ್ಕುಗಳು

ಲಂಗ ಸಮಾನತೆ.

Activity 1

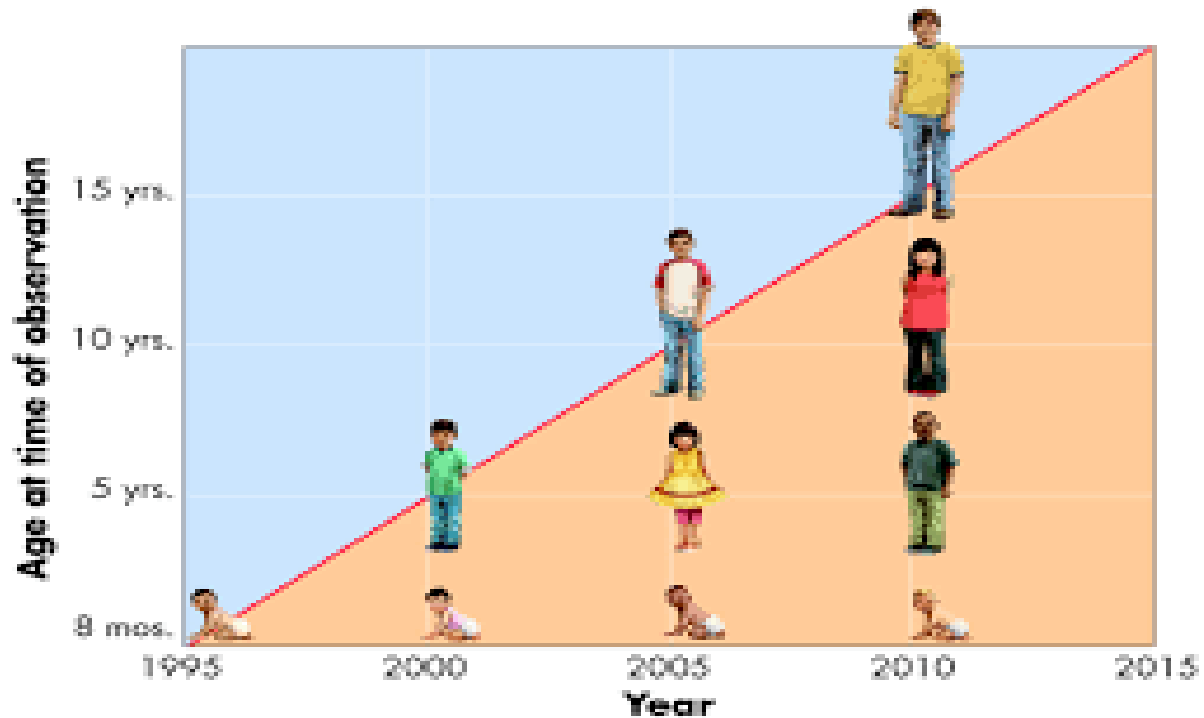


Activity 2



Continue observing...

- What do you infer?



Activity 3

- Draw a symmetric object from both the hands
 1. A heart shape
 2. A flower
 3. A lamp
- What did you observe??

Principles of Human Development

ವಿಕಾಸದ ತತ್ವಗಳು

1. Principle of continuity

- Linked with the previous

2. Principle of Sequential development

- Specific pattern/design

3. Principle of cephalo-caudal Tendency

- Head to heel

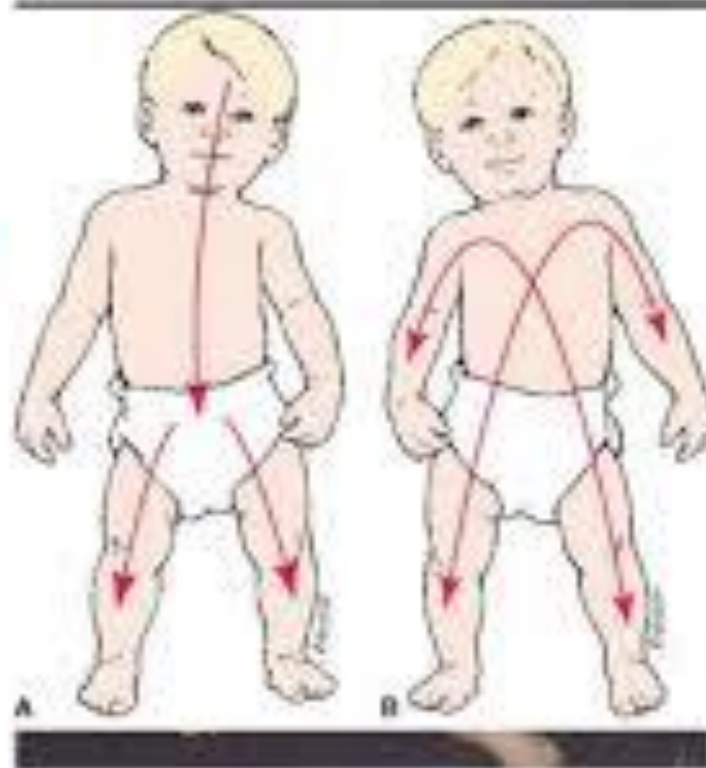
4. Principle of proximo-distal trend

- Near to distant

Head to tail

Cephalocaudal direction

- The process of **cephalocaudal** direction from **head** down to **tail**. This means that improvement in structure and function come first in the head region, then in the trunk, and last in the leg region.



proximodistal

Proximodistal direction

- Growth proceeds from the center, or midline, of the body to the periphery, or in a proximodistal direction.
- This proximodistal development is bilateral and symmetric, for the most part, on both side of the body; however, this is not consistently true.



Tonic neck reflex



Grasp reflex



Step reflex



Crawl reflex



ADAM.

The moro reflex



Activity observe....



Differentiability

- Tall and short/Fat and slim
- Physical /mental organs
- Different proportions/ ಭಿನ್ನ ಪ್ರಮಾಣ

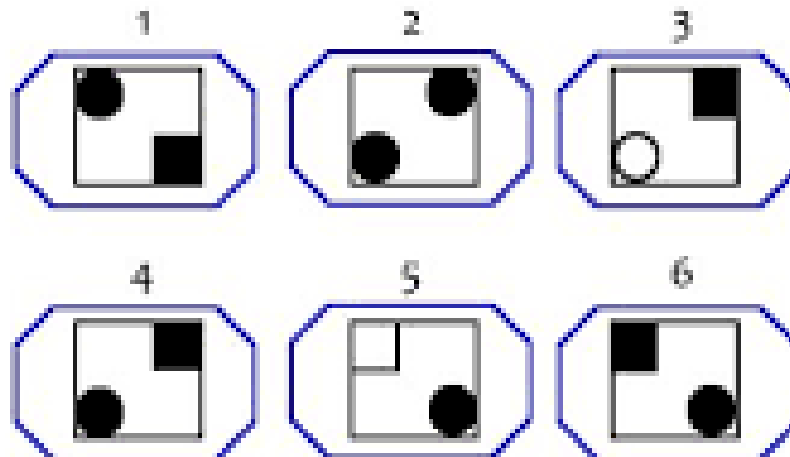
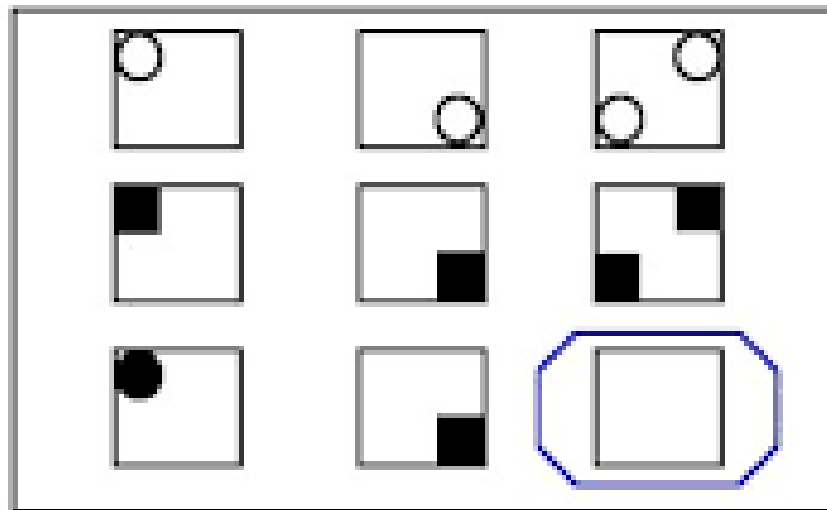


Differentiability/ಸಂಚಿತವಾದದ್ದು

- Time of birth : neonatal stage
- Smartness : childhood
- Sublimation : childhood
- Game related heroism : child hood
- Sex related interest/infatuation : Adolescence
- Habit addictions



Activity



Correlation/ ಅಂಶಗಳ ಸಹಸಂಬಂಧ

- Rapid or slower in the development of different qualities
- Slower in the development of different qualities

Based on charles spearman's general theory of intelligence –
Horizontal correlation

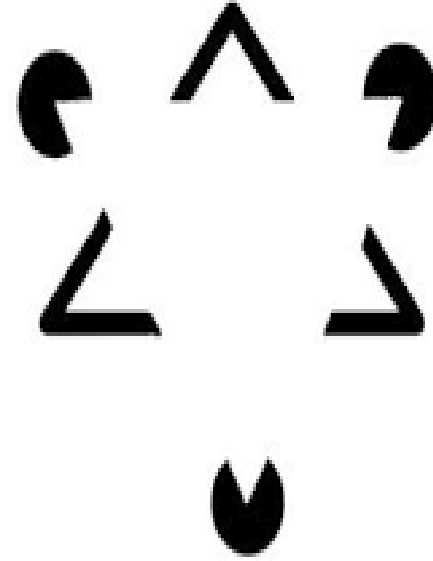
- Physical inter relation (eating food – proximo distal) and mental inter relation.
- Robert sternberg's triarchic theory of intelligence
 1. Analytic / ವಿಶ್ಲೇಷಣಾತ್ಮಕ ಬುದ್ಧಿಶಕ್ತಿ = problem solving
 2. Creative/ಸೃಜನಾತ್ಮಕ ಬುದ್ಧಿಶಕ್ತಿ = new situation + past skills
 3. Practical / ಪ್ರಾಯೋಗಿಕ ಬುದ್ಧಿಶಕ್ತಿ = ability to adapt

Activity

- Can you build a story from the scene??



Integration /ವಿಕಾಸದ ಏಕೀಕರಣ



Mouse Limb Development



Integration /ವಿಕಾಸದ ಏಕೀಕರಣ

- Child moves whole limb to various parts of the body eg., you met with an accident and have bed rest

- Mutual relationships among :

Mental+physical+emotional developments

Riding a car

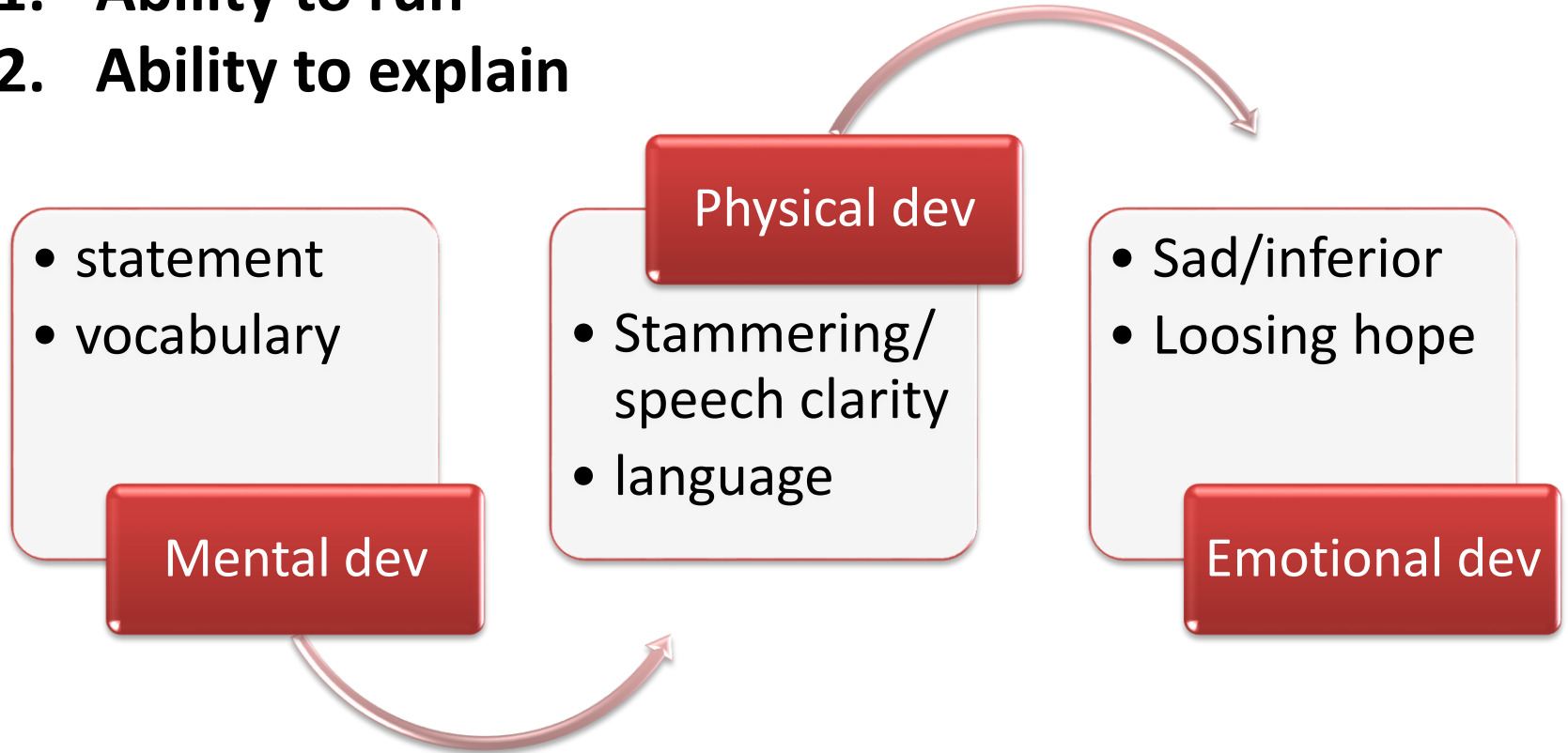
Juggling

Solve a puzzle

Integration /ವಿಕಾಸದ ಏಕೀಕರಣ

Eg

1. Ability to run
2. Ability to explain



Integration

Principle of Integration

- This refers to the organization or putting together diverse elements to form a unified and harmonious whole. The student should be able to combine his previous experience together in meaningful patterns of understanding and application.



Activity

- Oh! Can u tell why is the baby crying??



General to specific



Do you have kids you
call all the dogs in town
as guchi??

General to specific

- Sense of being agitated/irritated
- Meaningless sounds to speech
- Whole body movement to eyes or nose or mouth
- Emotional reactions

(General) crying= anger, hunger, missing, pain, needs and wants

Principles of Human Development

ವಿಕಾಸದ ತತ್ವಗಳು

5.Principle of differentiability

- Different areas at different rate

6.Principle of correlation

- interrelation

7.Principle of integration

- simplicity to complexity

8.Principle of generality to specificity

How many of you have come across
people like this?



Name a few things which you learnt from your environment as a child



Interaction of heredity and environment

- Skinner- heredity elements have their own limitations
- Polluted envt. , malnutrition, serious illness, complication from birth and envt
- Inborn traits and envt traits

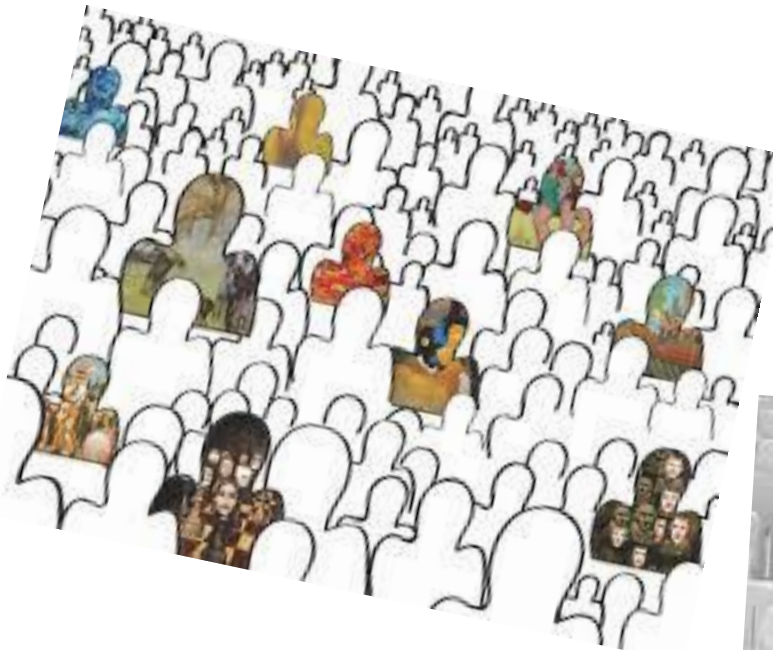
These determine the quantity and quality developments

Activity

- Observe and List at least three statements from the picture



Some more for you



Individual differences

- Every child is unique
- Development is every child's own private form
- Major classification- boys and girls
- Unique inspite of different growth rates and being sequential
- Eg., uniqueness in identifying:
 1. Two faces
 2. Narrating a story



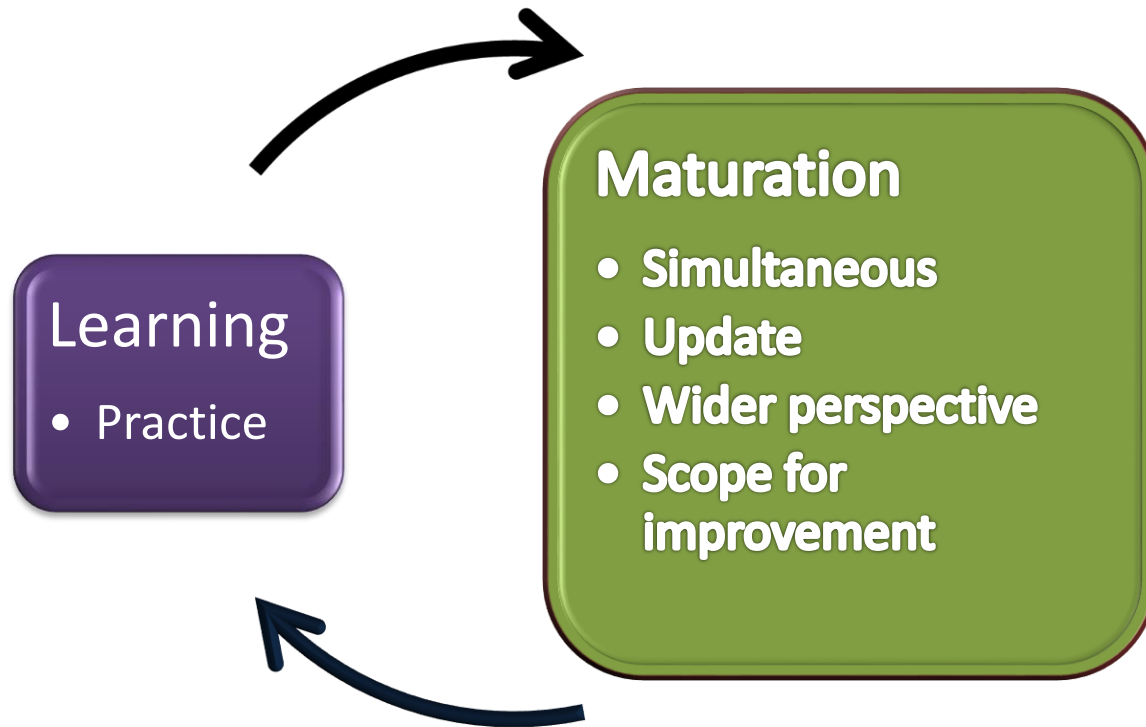
Individual differences

Differences in

1. Intellectual level
2. Physical development
3. Emotions/Emotional differences
4. Motor ability
5. Interest
6. Learning
7. Specific Abilities
8. Social Adjustment/Social differences

Mental growth or maturity

- Maturation is a process of
 1. Modification
 2. Innate ripening
 3. Growth instructive
 4. Functional
 5. Occurs by reasons of forces inherent



Eg., typing, eating food, using an escalator, Using a smart phone etc.,

Activity

What is your reaction to these?





Self removal of undesirable behaviour

- Removal of hazards

- Mostly crossed after certain age

Ego stage

1. Smoking
2. Drinking
3. Peer pressure



Id stage

- Specific factors
 1. Biting lips
 2. Licking thumb
 3. Spitting
 4. Using slang
- Integrated factors
 1. Naughtyness
 2. Quarrel
 3. Carelessness
 4. Unhygienic
 5. Tease and laugh

Principles of Human Development

ವಿಕಾಸದ ತತ್ವಗಳು

9.Principle of heredity and environment

- Genetic factors-Hormone imbalances

10.Principle of hazards

- self removal and undesirable behaviour

11.Principle of individual differences

- Every child is unique

12.Principle of maturity and learning

- Healthy problem solving

Lets recall through some questions!!

- List the principles of human development.
- Mention some examples for “Principle of removal of hazards”.
- Explain principle of differentiability.
- What is proximo-distal tendency?
- Explain how heredity and environment influences development.