

PHASES OF MOTOR BEHAVIOR

DEVELOPMENTAL STAGES	PHASE	CHARACTERISTIC BEHAVIOR
PRENATAL-INFANCY (-5 – 1 YEAR)	REFLEXIVE	SUCKING, GRASPING, FLECTION EXTENSION, POSTURAL ADJUSTMENTS
INFANCY (0 – 2 YEARS)	RUDIMENTARY	ROLLING, SITTING, CRAWLING, CREEPING, STANDING, WALKING, GRASPING
EARLY CHILHOOD (2 – 7 YEARS)	FUNDAMENTAL MOVEMENT (AND PERCEPTUAL EFFICIENCY)	LOCOMOTOR, NONLOCOMOTOR, MANIPULATIVE MOVEMENTS, MOVEMENT AWARENESSES
MIDDLE LATE CHILHOOD (8 – 12 YEARS)	SPECIFIC	REFINEMENT OF FUNDAMENTAL SKILLS AND MOVEMENT AWARENESSES: USE OF FOUNDATION IN SPECIFIC
ADOLESCENCE	SPECIALIZED	DANCE, GAMES, SPORT, GYMNASTICS AND AQUATIC ACTIVITY



COMPONENT OF PERCEPTUAL MOTOR SYSTEM: MOVEMENT AWARENESSES

1. KINESTHETIC PERCEPTION: BODY AWARENESS,
SPATIAL AWARENESS, DIRECTIONAL
AWARENESS, VESTIBULAR AWARENESS
2. VISUAL AWARENESS
3. SPATIAL AWARENESS
4. DEPTH AND DISTANCE PERCEPTION
5. FIGURE-GROUND DISCRIMINATION
6. FORM DISCRIMINATION
7. VISUAL-MOTOR COORDINATION



1. KINESTHETIC PERCEPTION



KINESTHETIC PERCEPTION IS A COMPREHENSIVE TERM ENCOMPASSING THE MEMORY AND AWARENESS OF MOVEMENT. UNLIKE THE VISUAL, AUDITORY, AND TACTILE SENSORY MODALITIES THAT RECEIVE INFORMATION FROM OUTSIDE BODY, THE KINESTHETIC SYSTEM IS SUPPLIED WITH DATA FROM THE MUSCLE, TENDON, JOINTS, AND THE VESTIBULAR (BALANCE SYSTEM). AWARENESS OF BODY POSITION AND MOVEMENT

SUMBER INFORMASI PERCEPSI KINESTETIK TIDAK BEROPERASI SECARA INDEPENDEN. TETAPI TERINTEGRASI DENGAN SUMBER INFORMASI YANG LAIN AGAR INFORMASI TENTANG LINGKUNGAN YANG DITERIMA OTAK LEBIH KOMPLEKS.



BAGIAN YANG TAK TERPISAHKAN DARI PERSEPSI KINESTETIK ADALAH: BODY AWARENESS, SPATIAL AWARENESS, DIRECTIONAL AWARENESS, DAN VESTIBULAR AWARENESS.

2010/04/04

BODY AWARENESS/BODY CONCEPT/ BODY KNOWLEDGE

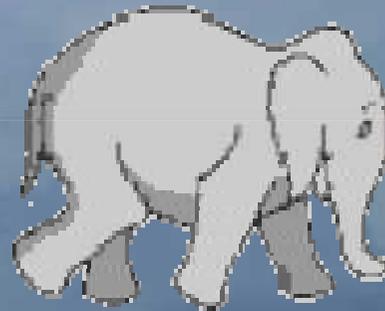


- a. LOCATION OF THE BODY PARTS AND THEIR RELATIONSHIP TO EACH OTHER
- b. AWARENESS OF THE CAPABILITIES AND LIMITATIONS OF BODY PARTS
- c. KNOWLEDGE OF HOW TO EXECUTE MOVEMENTS EFFICIENTLY

2010/04/04

SPATIAL AWARENESS

AWARENESS OF POSITION (ORIENTATION) OF
OBJECTS IN THREE DIMENSIONAL SPACE



2010/04/04

DIRECTIONAL AWARENESS: CONSISTS TWO COMPONENT OF AWARENESS LATERALITY AND DIRECTIONALITY



LATERALITY: SENSE OF FEEL/THE CONSOIOUS INTERNAL
AWARENESS OF TWO SIDES OF THE BODY

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DIRECTIONALITY: ABILITY TO IDENTIFY DIMENSTIONS OF EXTERNAL SPAC

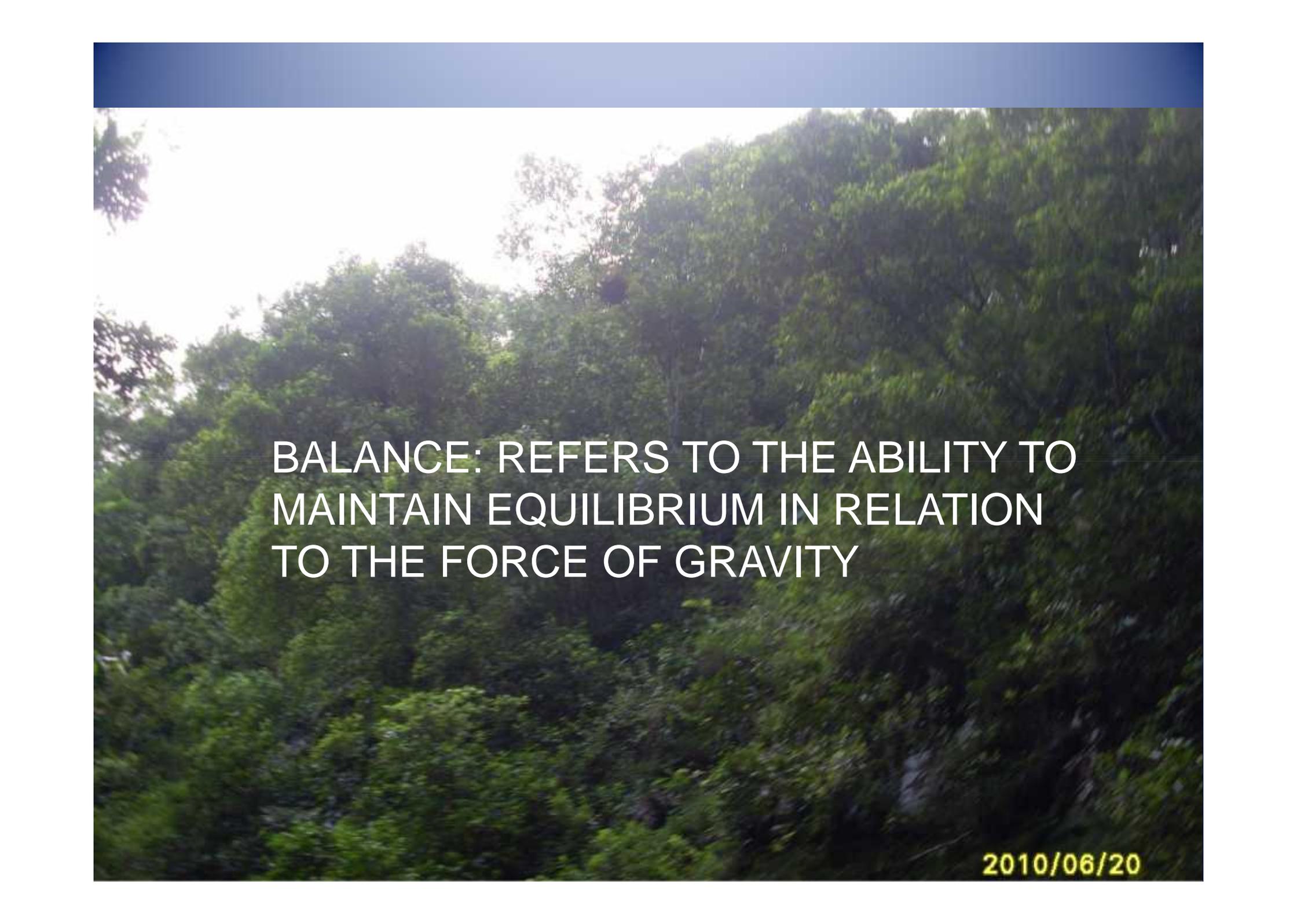
**VESTIBULAR AWARENESS:
BALANCE AND SENSE OF
BODY POSITION**



THE OVERALL FUNCTION OF VESTIBULAR SYSTEM:

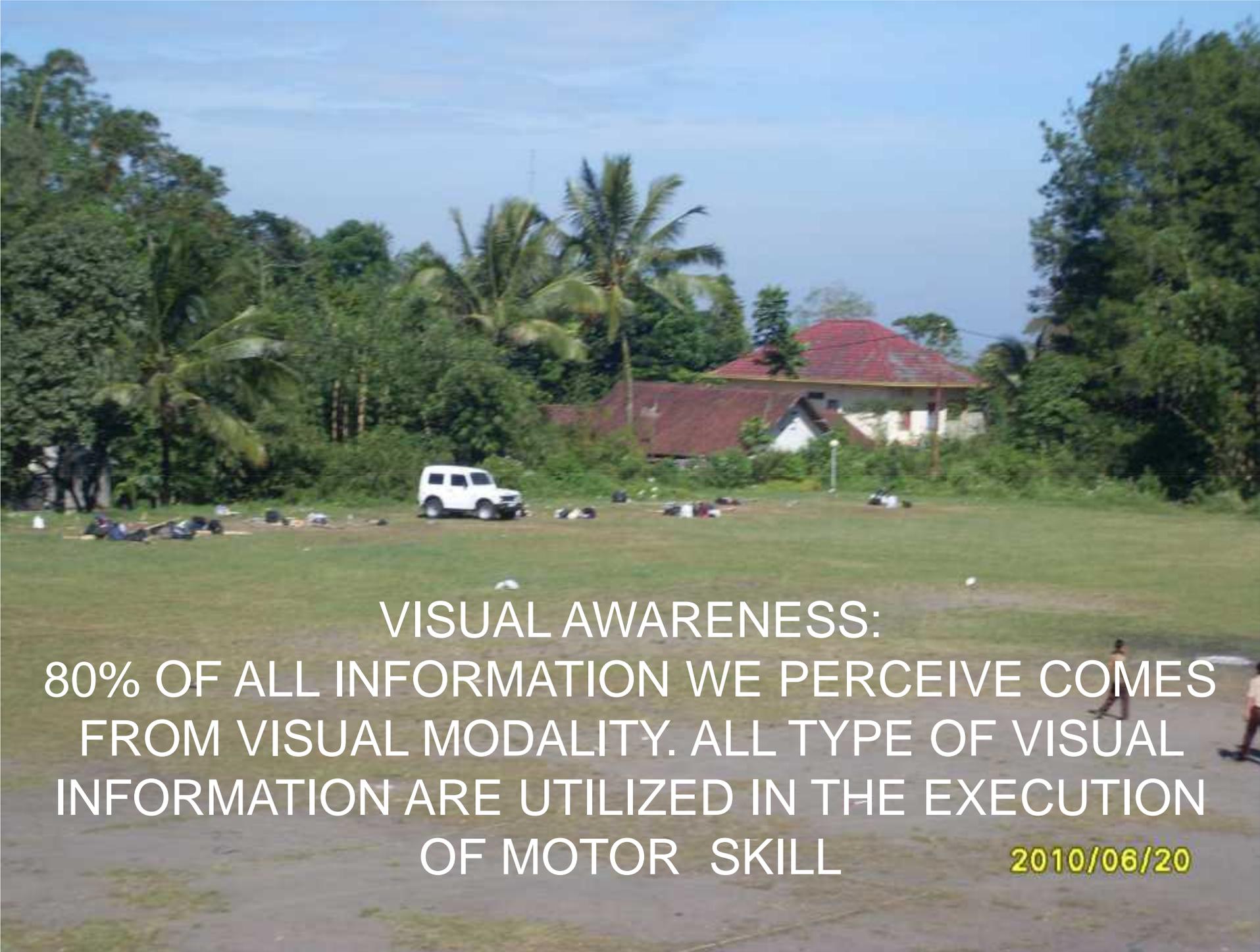
1. MAINTENANCE OF UPRIGHT POSTURE AND EQUILIBRIUM USING THE ANTIGRAVITY MUSCLES OF THE TRUNK AND BODY FOR CONTROL AND POSTURAL REFLEXES
2. AID THE MUSCLES OF THE EYES IN MAINTAINING VISUAL FIXATION DURING BODILY MOVEMENTS
3. MEDIATION OF THE BODY SIGHTING REFLEXES (BALANCE) USING MUSCLE OF THE HEAD, NECK, AND SHOULDERS
4. TO MERGE WITH RECEPTORS FROM THE MUSCLES, JOINTS, AND TENDONS, TO APPRAISE THE CNS OF THE BODIES SPATIAL ORIENTATION
5. TO CONTRIBUTE TO THE OVERALL PERCEPTION OF BODILY MOVEMENT (KINESTHETIC MOVEMENT)

2010/04/04

A photograph of a dense forest with a blue header bar at the top. The text is centered in the middle of the image.

BALANCE: REFERS TO THE ABILITY TO
MAINTAIN EQUILIBRIUM IN RELATION
TO THE FORCE OF GRAVITY

2010/06/20



VISUAL AWARENESS:
80% OF ALL INFORMATION WE PERCEIVE COMES
FROM VISUAL MODALITY. ALL TYPE OF VISUAL
INFORMATION ARE UTILIZED IN THE EXECUTION
OF MOTOR SKILL

2010/06/20

DEPTH AND DISTANCE PERCEPTION:
REFERS TO THE SPACE BETWEEN TWO OBJECTS IN SPACE
SPACE BETWEEN OBJECT AND INDIVIDUAL.

2010/04/04

FIGUR-GROUND DISCRIMINATION:
THE ABILITY TO DISTINGUISH AN OBJECT FROM ITS
SURROUNDING BACK GROUND





2010/04/04

MOVEMENT AWARENESS:
VISUAL, AUDITORY, TACTIL
KINESTHETIC, BODY AWARENESS, SPATIAL, DIRECTIONAL,
VESTIBULAR,
TEMPORAL

LOCOMOTOR:
WALK, RUN, LEAP, JUMP,
HOP
COMBINATION: GALLOP,
SLIDE, SKIP, CLIMB,
BODY ROLLING

NON
LOCOMOTOR
(STABILITY)
STRETCH, BEND,
SWING, DOGE,
TURN, TWIST,
PUSHING,
PULLING, LAND

MANIPULATIVE
PROPULSIVE, :
STRIKE, BOUNCE, THROW,
ROLL, KICK, RECEPTIVE:
CACT, TRAP

USE INDIVIDUALY OR
COMBINED AN APPLAIED
TO DANCE (RYTHEM),
GAMES, SPORT AND
GYMNASTIN ACTIVITY

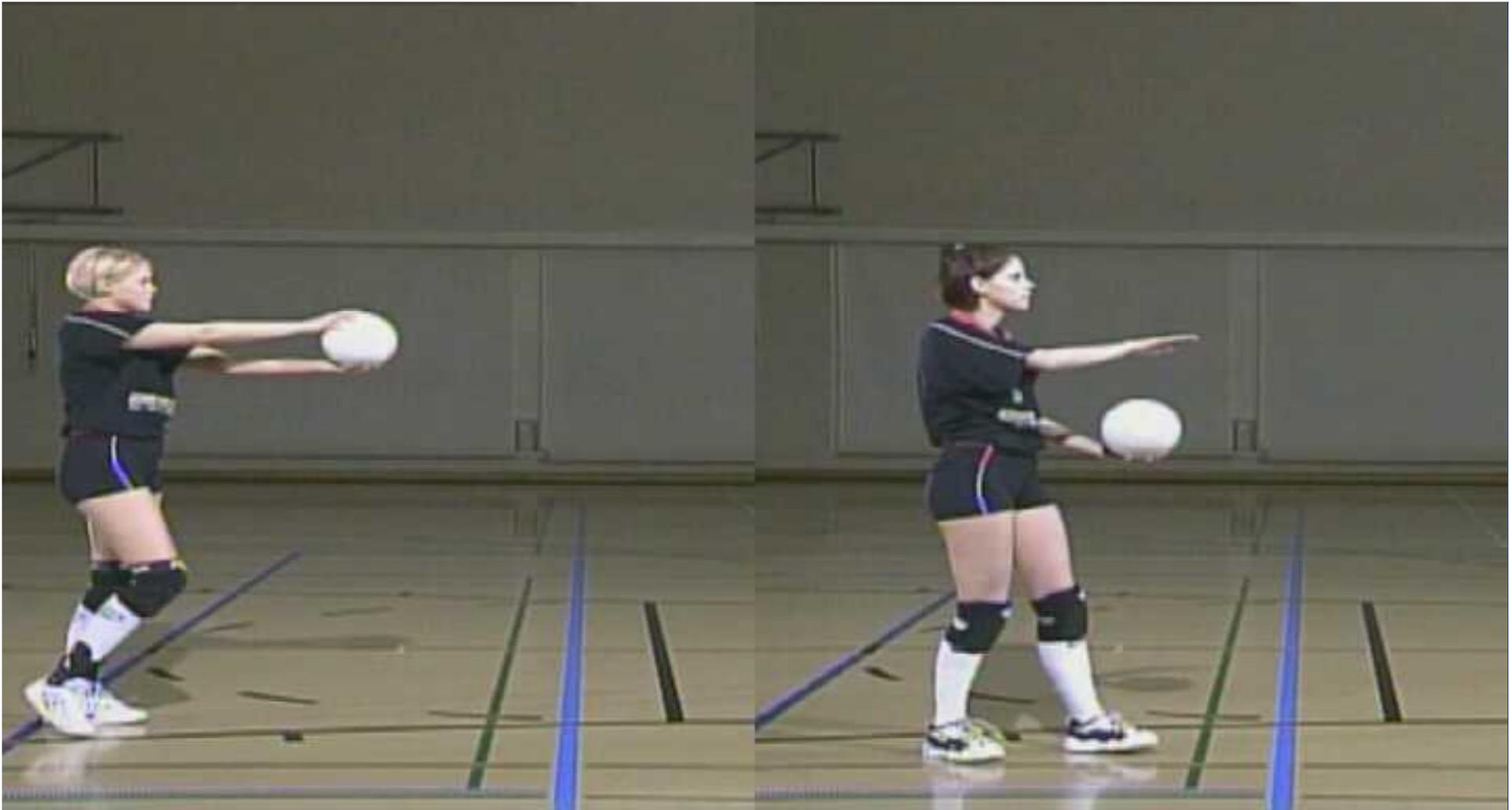
PERCEPTUAL-MOTOR PROCESSING

SENSORY
INPUT:
STIMULI;
LIGHT,SOUND,
TOUCH,
SMELL, TACTE

PERCEPTUAL
PROCESSING:
RECEPTOR(VISUAL,A
UDITORY,
KINESTHETIC,
TACTUAL,
OLFACTORY,
GUSTATORY---CN
S(INTEGRATION
WITH MEMORY
BANK) DATA
PROCESSING)

OUT PUT:
MOTOR
RESPONSE







DARTFISH 

