BRAIN DEVELOPMENT FOR EARLY CHILDHOOD EDUCATORS: HOWARD GARDNER’S MULTIPLE INTELLIGENCES

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Howard Gardner’s Multiple Intelligences

- Linguistic
- Logical-mathematical
- Musical
- Bodily-kinesthetic
- Spatial
- Interpersonal
- Intrapersonal
LINGUISTIC INTELLIGENCE

- Sensitivity to spoken and written language
- Ability to learn languages
- Capacity to use language to accomplish goals
- Ability to use language rhetorically or poetically
- Language as a means to remember information
- Writers, poets, lawyers, and speakers
HANGMAN
Linguistics in the classroom

- Storytelling
- Writing children’s stories
- Using crayons to draw and write
- Recognizing letters and words
Logica-Mathematical Intelligence

- Capacity to analyze problems logically
- Carry out mathematical operations
- Investigate issues scientifically
- Ability to detect patterns
- Reason deductively
- Think logically
- Scientists and mathematicians
CAPTURE
Logic and Math in the Classroom

- Puzzles
- Manipulatives
- Patterning
- Counting
Musical Intelligence

- Performance, composition, & appreciation of musical patterns
- Recognize & compose musical pitches, tones, & rhythms
- Linked with linguistic intelligence
- Musicians, singers, conductors, and composers
NAME THAT TUNE
Music in the Classroom

- Singing
- Humming
- Chanting
- Playing with instruments
**Bodily-Kinesthetic Intelligence**

- Using one’s whole body or parts of the body to solve problems
- Learns by doing
- Would rather touch than just look
- Likes figuring out how things work
- Ability to use mental abilities to coordinate bodily movements
- Physical agility and balance
- Manual dexterity
- Related to mental and physical activity
- Dancers, actors, athletes, divers, and soldiers
JUGGLE
MOVEMENT IN THE CLASSROOM

- Dance
- Aerobic movements
- Role play
- Clay
SPATIAL INTELLIGENCE

- Recognize and use the patterns of wide space and more confined areas
- Good with directions
- Can remember places vividly
- Good at solving visual puzzles
- Enjoyed geometry in school
- Likes books with pictures
- Interpretation and creation of visual images
- Pictorial imagination and expression
- Notices colors and shapes
- Artists, designers, cartoonists, and architects
Old Lady? Young Lady?
ART IN THE CLASSROOM

- Painting
- Drawing
- Collage
INTERPERSONAL INTELLIGENCE

- Capacity to understand the intentions, motivations, and desires of other people
- Perception of other people’s feelings
- Ability to relate to others
- Understands the relationships between people and their situations
- Work effectively with others
- Love groups and crowds
- Extraverted
- Enjoy social events
- Educators, salespeople, religious leaders
Facial Expression Interpretation:
Who is Sad, Contempt, Fear, Surprise, Angry, Disgust, Happy?
SOCIAL ACTIVITIES IN THE CLASSROOM

- Cooperative work
- Sharing
- Explaining
- Demonstrating
**INTRAPERSONAL INTELLIGENCE**

- Introverted
- Prefers working alone
- Capacity to understand oneself, appreciate one's feelings, fears, and motivations
- Self awareness
- Having an effective working model of oneself
- Personal objectivity
- Use information about oneself to regulate life
- Capability to understand one's relationship to others and the world
- Psychologist, philosopher, writer, theologian
TESTING INTRAPERSONAL INTELLIGENCE: TRUE OR FALSE

- I do not get angry when verbally attacked
- I am comfortable with others’ grief, even those in close relationship to me
- I get angry or fearful when physically threatened
- I am able to decide to love another and then do so
- I am comfortable with others’ anger and hate
- I worry regularly in some circumstances
- At times and in some circumstances I feel shame
- My anger keeps coming back in certain situations or with specific people
- For some things I have done in the past, I feel guilty
- At times I feel degraded and humiliated
TESTING INTRAPERSONAL INTELLIGENCE: TRUE OR FALSE (CONT’D)

- Regularly I get anxious about some situations
- Sadness keeps recurring for me over specific issues
- Jealousy is sometimes a part of my life
- I get blue or depressed regularly
- In my life is stress that never ends
- I am comfortable hugging other adults of either sex
- I regularly allow my own wracking sobs and tears
- With a particular partner I am able to express all of the following: emotional love, physical love, words of love and lusty sexual love
- Once my sobs and tears have been released, I feel great
- I am comfortable saying the words “I love you” to men, women, and children in a feeling way
Independence in the Classroom

- Self control
- Independent exploration
- Reflection
OTHER POSSIBLE INTELLIGENCES

- **Naturalist Intelligence**
  - Recognize, categorize, and draw upon certain features of the environment
  - Conservationist, gardener, farmer, animal trainer

- **Spiritual/Existential Intelligence**
  - Concern with “ultimate issues”
  - Doctor, manager, business person, corporate leader

- **Moral Intelligence**
  - Concern with those rules, behaviors, and attitudes that govern the sanctity of life
  - Marriage counselor, personal trainer, police officer
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