# **Education and Training Study Guide**

- Professional Standards/Employability Skills as Required by Business and Industry
  - Review effective work ethic practices
  - o Investigate problem-solving techniques, decision-making skills, and leadership skills
  - Understand "professionalism"
  - Practice various forms of communication, such as verbal and non-verbal communication used in educational and career settings
- Shadowing, Interviewing, Career Interest Inventory, Researching, and Self-Reflection
  - Identify and investigate the three Education and Training Programs of Study:
    Teaching/Training, Professional Support Services, and Administration and
    Administrative Support
  - Analyze transferable skills among a variety of careers within the Education and Training Career Cluster
  - Recognize the impact of career choice on personal lifestyle
  - Learn about productive work habits such as organization, time management, and initiative
- Societal Impacts Within the Education and Training Career Cluster
  - Investigate trends or issues that have influenced the development of education across the US such as historical, societal, cultural, and political trends and issues
- Options in Education and Career Planning
  - Understand the pathways to graduation and working in your field of interest.
  - Be able to identify and compare technical and community college programs that align with interest areas
  - Be able to identify and compare university programs and institutions that align with interest areas
- Historical, Theoretical, and Research Perspectives of Human Growth and Development throughout the Lifespan
  - o Be able to explain the role of theories in human development

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- Understand theoretical perspectives that influence human development throughout the lifespan
- Review historical influences on modern theories of human development
- Compare and contrast the research methods commonly used to study human development
- Compare and contract pedagogy and andragogy

### • Importance of Prenatal Care in the Development of a Child

- o Know the nutritional needs prior to and during pregnancy
- Know the reasons for medical care and good health practices prior to and during pregnancy
- Identify the stages of prenatal development
- Determine environmental factors affecting development of the fetus

### Development of Children Ages Newborn Through Two Years

- Analyze the physical, emotional, social, and cognitive development of infants and toddlers
- Analyze various developmental theories relating to infants and toddlers
- o discuss the influences of family and society on the infant and toddler
- Know strategies for optimizing the development of infants and toddlers, including those with special needs • techniques that promote the health and safety of infants and toddlers
- Developmentally appropriate guidance techniques for children in the first two years
  of life

### • Development of Children Ages Three - Five years

- Analyze the physical, emotional, social, and cognitive development of preschoolers
- Analyze various developmental theories relating to preschoolers
- o Understand the influences of the family and society on preschoolers
- Explore the strategies for optimizing the development of preschoolers, including those with special needs

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- o Determine techniques that promote the health and safety of preschoolers
- o Determine developmentally appropriate guidance techniques for preschoolers

### • Development of Children Ages Six - Ten

- Analyze the physical, emotional, social, and cognitive development of children in the early to middle childhood stage of development
- Analyze various developmental theories relating to children in the early to middle childhood stage of development
- Understand the influences of the family and society on children in the early to middle childhood stage of development
- Explore the strategies for optimizing the development of children in the early to middle childhood stage of development, including those with special needs
- Determine techniques that promote the health and safety of children in the early to middle childhood stage of development
- Determine developmentally appropriate guidance techniques for children in the early to middle childhood stage of development

#### Development of Adolescents Ages 11 - 19 Years

- Analyze the biological and cognitive development of adolescents
- Analyze the emotional and social development of adolescents
- Understand various theoretical perspective relevant to adolescent growth and development Explore the influences of the family and society on adolescents
- Learn strategies for optimizing the development of the adolescent
- Determine techniques that promote the health and safety of the adolescent
- Determine developmentally appropriate guidance techniques for adolescent

#### • Importance of Care and Protection of Children and Adolescents

- Determine services provided by agencies that protect the rights of children and adolescents
- Explore various resources focusing on children and adolescents

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- Analyze the impact of changing demographics and cultural diversity on the health and welfare of children and adolescents
- o Analyze forms, causes, effects, prevention, and treatment of child abuse
- Understand the impact of appropriate health care and importance of safety for children and adolescents

### Development of Adults Ages 20-39 Years

- Various development theories relating to early adults, including biological and cognitive development
- Various development theories relating to early adults, including emotional, moral, and psychosocial development
- o Influences of society and culture on early adults
- o Importance of family, human relationships, and social interaction for early adults

### Development of Adults Ages 40-65 Years

- Various development theories relating to middle adults, including biological and cognitive development
- Various development theories relating to early adults, including emotional, moral,
  and psychosocial development
- Influences of society and culture on middle adults
- o Importance of family, human relationships, and social interaction for middle adults.

### Development of Adults Ages 66 Years and Older

- Various development theories relating to those within the stage of late adulthood,
  including biological and cognitive development
- Various development theories relating to those within the stage of late adulthood,
  including emotional, moral, and psychosocial development
- Influences of society and culture on those within the stage of late adulthood
- Importance of family, human relationships, and social interaction for those within the stage of late adulthood

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#### Be Familiar with:

- Differences in concrete, collaborative, abstract, and systematic thinking
- Personal qualities of effective teachers
- Education required to for various teaching levels
- Good classroom management and classroom limits
- Teacher centered learning, learner-centered learning methods
- Educational placement for students with disabilities
- Reflective responses and questioning strategies
- Howard Gardner's theory
- Who is Horace Mann and what did he believe?
- Identify the types of different learners Different styles of teaching
- Understand Piaget's stages of cognitive development
- Understand how to assess websites and their credibility –
- Who has primary control of education and at what levels
- Advantages and disadvantages of distance education
- Brown v. Board of Education of Topeka, Kansas
- Learn about the American Common School Period
- B.F. Skinners' theory of behaviorism –
- What are course evaluations used for?
- Smith Hughes Act 1917
- Conflict resolution model
- Understand the views of Pavlov, Skinner, Bandura, Piaget