

MICHIGAN TEST FOR TEACHER CERTIFICATION (MTTC)

TEST OBJECTIVES FIELD 057: SPEECH AND LANGUAGE IMPAIRED

Subarea	Approximate Percentage of Questions on Test
Human Development and Students with Special Educational Needs	16%
Speech, Language, and Hearing Impairments	28%
Assessment	20%
Program Development and Intervention	20%
Professional Knowledge and Legal Issues	16%

I. HUMAN DEVELOPMENT AND STUDENTS WITH SPECIAL EDUCATIONAL NEEDS

001 Understand normal human development during infancy and early childhood.

Includes the characteristics and sequence of physical, sensory, motor, cognitive, and communication development in infancy and early childhood.

002 Understand normal human development during childhood and adolescence.

Includes the characteristics and sequence of physical, motor, cognitive, and language development; social and emotional characteristics; and other developmental issues of particular importance during childhood and adolescence.

003 Understand normal communication development.

Includes the relationships between normal communication development and motor and cognitive development, auditory perception, environmental factors, and social development.

004 Understand the prenatal development of the child.

Includes key factors that affect the prenatal development of the child, including the impact of substance abuse and the health of the mother.

005 Apply theories of communication development.

Includes theories of communication development and the ways they characterize communication development.

006 Understand the specific characteristics of students with special educational needs.

Includes characteristics of students with learning disabilities; and mental, physical, visual, hearing, emotional, and/or neurological impairments.

TEST OBJECTIVES
FIELD 057: SPEECH AND LANGUAGE IMPAIRED

007 Analyze the effects of handicapping conditions on communication development.

Includes the effects of learning disabilities; and mental, physical, visual, hearing, emotional, and/or neurological impairments on communication development.

II. SPEECH, LANGUAGE, AND HEARING IMPAIRMENTS

008 Identify linguistic features of English.

Includes phonemic, morphemic, semantic, pragmatic, and syntactic features of English.

009 Apply principles of phonetics.

Includes the classification of consonants according to place, manner, and voicing characteristics; of vowels according to their physical characteristics; and of phonemes in terms of their acoustic characteristics.

010 Understand the speech mechanism.

Includes anatomical structures involved in speech production and their functions; and processes involved in speech production.

011 Understand the hearing mechanism.

Includes anatomical structures involved in hearing and their functions; and processes involved in auditory perception.

012 Understand fluency impairments.

Includes characteristics of fluency impairments; the differences between normal nonfluency and fluency impairments; and factors that may cause and maintain fluency impairments.

013 Understand articulation impairments.

Includes characteristics of articulation impairments; types of articulation impairments; and factors that may cause and maintain articulation impairments.

014 Understand voice impairments.

Includes characteristics of voice impairments; and factors that may cause and maintain voice impairments.

TEST OBJECTIVES
FIELD 057: SPEECH AND LANGUAGE IMPAIRED

015 Understand speech and language impairments associated with structural, neuromuscular, and neurological disabilities.

Includes characteristics of speech and language impairments exhibited by students with cerebral palsy; factors that may cause structural, neuromuscular, and/or neurological disabilities; and the effects of structural disabilities on speech and language.

016 Understand disorders of receptive language.

Includes characteristics of disorders of receptive language; distinctions between receptive and expressive language disorders; and factors that may cause and maintain disorders of receptive language.

017 Understand disorders of expressive language.

Includes characteristics of disorders of expressive language; and factors that may cause and maintain disorders of expressive language.

018 Understand the characteristics of language differences and language impairments.

Includes the characteristics of language differences and language impairments, and the distinctions between them.

019 Understand hearing impairments.

Includes types of hearing impairments and their characteristics; and factors that may cause and maintain hearing impairments.

020 Analyze the relationship between speech, language, and hearing impairments and child development.

Includes the relationship between speech, language, and hearing impairments and cognitive development; social and emotional development; and educational performance.

III. ASSESSMENT

021 Identify legal requirements relating to assessment.

Includes state and federal requirements related to screening, referral, and assessment; and the rights of students and parents in relation to assessment procedures.

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FIELD 057: SPEECH AND LANGUAGE IMPAIRED

022 Understand speech and language assessment instruments and methods.

Includes types, characteristics, uses, advantages, and disadvantages of speech and language assessment instruments; and evaluation criteria, principles, and procedures for selecting speech and language assessment instruments.

023 Understand methods used to assess articulation.

Includes types, uses, and characteristics of formal and informal methods of assessing articulation; procedures for assessing articulation; and the interpretation and use of articulation assessment data in the development of IEPs.

024 Understand methods used to assess fluency.

Includes types, uses, and characteristics of formal and informal methods of assessing fluency; procedures for assessing fluency; and the interpretation and use of fluency assessment data in the development of IEPs.

025 Understand methods used to assess voice.

Includes types, uses, and characteristics of formal and informal methods of assessing voice; procedures for assessing voice; and the interpretation and use of voice assessment data in the development of IEPs.

026 Understand methods used to assess receptive language.

Includes types, uses, and characteristics of formal and informal methods of assessing receptive language; procedures for administering receptive language assessment methods; and the interpretation and use of receptive language assessment data in the development of IEPs.

027 Understand methods used to assess expressive language.

Includes types, uses, and characteristics of formal and informal methods of assessing expressive language; procedures for administering expressive language assessment methods; and the interpretation and use of expressive language assessment data in the development of IEPs.

028 Understand basic methods used to assess hearing.

Includes types, uses, and characteristics of formal and informal methods of assessing hearing; procedures for administering basic audiometric tests; and the interpretation and use of hearing assessment data in the development of IEPs.

TEST OBJECTIVES
FIELD 057: SPEECH AND LANGUAGE IMPAIRED

029 Identify procedures for conducting a comprehensive speech and language evaluation.

Includes components, requirements, and procedures for conducting a comprehensive speech and language evaluation; and eligibility criteria for speech and language services.

IV. PROGRAM DEVELOPMENT AND INTERVENTION

030 Understand the development of Individualized Education Programs (IEPs) for students with speech and language impairments.

Includes appropriate short-term instructional objectives and annual goals for an IEP; legal requirements for reviewing and revising an IEP; and the rights of students and parents in the development of an IEP.

031 Understand the procedures for implementing Individualized Education Programs (IEPs) for students with speech and language impairments.

Includes appropriate activities and curriculum components to meet IEP objectives; procedures for evaluating progress toward IEP objectives and goals; appropriate ways of communicating with persons involved in the implementation of an IEP; and procedures for modifying and updating an IEP.

032 Apply intervention strategies for students with fluency impairments.

Includes appropriate intervention strategies, objectives, goals, and ways to adapt regular classroom instruction to meet the needs of students with fluency impairments.

033 Apply intervention strategies for students with articulation impairments.

Includes appropriate intervention strategies, objectives, goals, and ways to adapt regular classroom instruction to meet the needs of students with articulation impairments.

034 Apply intervention strategies for students with voice impairments.

Includes appropriate intervention strategies, objectives, goals, and ways to adapt regular classroom instruction to meet the needs of students with voice impairments.

035 Apply intervention strategies for students with disorders of receptive language.

Includes appropriate intervention strategies, objectives, goals, and ways to adapt regular classroom instruction to meet the needs of students with disorders of receptive language.

TEST OBJECTIVES
FIELD 057: SPEECH AND LANGUAGE IMPAIRED

- 036 Apply intervention strategies for students with disorders of expressive language.**
Includes appropriate intervention strategies, objectives, goals, and ways to adapt regular classroom instruction to meet the needs of students with disorders of expressive language.
- 037 Apply intervention strategies for students with hearing impairments.**
Includes appropriate intervention strategies, objectives, goals, and ways to adapt regular classroom instruction to meet the needs of students with hearing impairments.
- 038 Understand intervention and instructional techniques used with speech and language impaired students who have additional handicapping conditions.**
Includes appropriate intervention and instructional techniques; and ways to adapt the special education classroom environment to meet the needs of speech and language impaired students with additional handicapping conditions.

V. PROFESSIONAL KNOWLEDGE AND LEGAL ISSUES

- 039 Identify technological advances relating to communication disorders.**
Includes equipment and materials for students needing augmentative/alternative communication; and appropriate uses of new technology related to materials and equipment in the field of communication disorders.
- 040 Understand the rights of students with special educational needs and the rights of their parents.**
Includes the rights of students with special educational needs and the rights of their parents.
- 041 Identify procedures and processes for consulting with school personnel and other professionals.**
Includes common procedures for consulting with regular education personnel and reporting information to teachers and other professionals.
- 042 Identify professional organizations involved in communication disorders.**
Includes national and state organizations that support the speech and language profession.

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FIELD 057: SPEECH AND LANGUAGE IMPAIRED

043 Understand methods of communicating with and counseling the families of students with speech and language impairments.

Includes appropriate ways of discussing assessment results with family members; helping parents understand communication development and the special needs of their child; conveying information about a student's speech and language program and progress to family members; and coordinating techniques used in the school with those used at home.

044 Demonstrate sensitivity to cultural differences among students and their families.

Includes cultural similarities and differences that exist among various racial, ethnic, religious, and socioeconomic groups; and the impact of cultural group differences on student learning, behavior, and placement decisions in special education.

045 Understand current research on communication disorders.

Includes criteria for evaluating research; sources of current research on communication disorders; recent research findings; and appropriate ways to apply research findings in the school.

046 Apply federal and state laws and regulations concerning the delivery of special education and related services.

Includes federal and state laws and regulations governing special education and related services, and their application in various situations.