

CEC Knowledge and Skill Base for All Beginning
Special Education Teachers of Students with Visual Impairment

Visual Impairment

Special Education Standard #1: Foundations

Knowledge (K)/Skills (S):	
VI1K1	Federal entitlements that provide specialized equipment and materials for individuals with visual impairments.
VI1K2	Historical foundations of education of individuals with visual impairments.
VI1K3	Educational definitions, identification criteria, labeling issues and incidence and prevalence figures for individuals with visual impairments.
VI1K4	Basic terminology related to the structure and function of the human visual system.
VI1K5	Basic terminology related to diseases and disorders of the human visual system.
VI1K6	Issues and trends in special education and the field of visual impairment.

Special Education Standard #2: Development and Characteristics of Learners

Knowledge (K)/Skills (S):	
VI2K1	Development of the human visual system.
VI2K2	Development of secondary senses when vision is impaired.
VI2K3	Effects of visual impairment on development.
VI2K4	Impact of visual impairment on learning and experience.
VI2K5	Psychosocial aspects of visual impairment.
VI2K6	Effects of medications on the visual system.

Special Education Standard #3: Individual Learning Differences

Knowledge (K)/Skills (S):	
VI3K1	Effects of visual impairment on the family and the reciprocal impact on the individual's self-esteem.
VI3K2	Impact of additional exceptionalities on individuals with visual impairments.
VI3K3	Attitudes and actions of teachers that affect the behaviors of individuals with visual impairments.

Special Education Standard #4: Instructional Strategies

Knowledge (K)/Skills (S):	
VI4K1	Strategies for teaching Braille reading and writing.
VI4K2	Strategies for teaching handwriting to individuals with low vision.
VI4K3	Strategies for teaching signature writing to individuals who are blind.
VI4K4	Strategies for teaching listening and compensatory auditory skills.
VI4K5	Strategies for teaching typing and keyboarding skills.
VI4K6	Strategies for teaching technology skills to individuals with visual impairments.
VI4K7	Strategies for teaching use of the abacus, talking calculator, tactile graphics, and adapted science equipment.
VI4K8	Strategies for teaching basic concepts to individuals with visual impairments.
VI4K9	Strategies for teaching visual efficiency skills and use of print adaptations, optical devices, and non-optical devices.
VI4K10	Strategies for teaching organization and study skills to individuals with visual impairments.

Knowledge (K)/Skills (S):	
VI4K11	Strategies to prepare individuals for structured pre-cane orientation and mobility assessment and instruction.
VI4K12	Strategies for teaching tactual perceptual skills to individuals with visual impairments.
VI4K13	Strategies for teaching human sexuality to individuals with visual impairments.
VI4K14	Strategies for teaching adapted physical and recreational skills to individuals with visual impairments.
VI4K15	Strategies for teaching social, daily living, and functional life skills to individuals with visual impairments.
VI4K16	Strategies for teaching career-vocational skills and providing vocational counseling for individuals with visual impairments.
VI4K17	Strategies for promoting self-advocacy in individuals with visual impairments.
VI4K18	Techniques for modifying instructional methods and materials for individuals with visual impairments.
VI4K19	Strategies to prepare students with progressive eye conditions to achieve a positive transition to alternative skills.
VI4S1	Teach individuals with visual impairments to use thinking, problem solving, and other cognitive strategies.
VI4S2	Prepare adapted or modified materials in Braille, accessible print, and other formats.
VI4S3	Transcribe, proofread, and interline materials in contracted literary and Nemeth Braille codes.
VI4S4	Use Braillewriter, slate and stylus, and computer technology to produce Braille materials.
VI4S5	Prepare individuals with visual impairments to access information and services from the community.

Special Education Standard #5: Learning Environments and Social Interactions

Knowledge (K)/Skills (S):	
VI5K1	Roles of paraeducators who work directly with individuals with visual impairments
VI5K2	Role models with visual impairments and their importance.
VI5S1	Enhance instruction for individuals with visual impairments through modification of the environment.
VI5S2	Design multisensory learning environments that encourage active participation by individuals with visual impairments in group and individual activities.
VI5S3	Create learning environments that encourage self-advocacy and independence for individuals with visual impairments.

Special Education Standard #6: Communication

Knowledge (K)/Skills (S):	
VI6K1	Strategies for teaching alternatives to nonverbal communication.
VI6S1	Prepare individuals with visual impairments to respond constructively to societal attitudes and actions.

Special Education Standard #7: Instructional Planning

Knowledge (K)/Skills (S):	
VI7K1	Relationships among assessment, individualized education plan development, and placement as they affect vision-related services.
VI7K2	Model programs for individuals with visual impairments.
VI7S1	Select and use technologies to accomplish instructional objectives for individuals with visual impairments.
VI7S2	Sequence, implement, and evaluate learning objectives based on the expanded core curriculum for individuals with visual impairments.

VI7S3	Obtain and organize special materials to implement instructional goals for individuals with visual impairments.
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Special Education Standard #8: Assessment

Knowledge (K)/Skills (S):	
VI8K1	Specialized terminology used in assessing individuals with visual impairments.
VI8K2	Ethical considerations, laws, and policies for assessment of individuals with visual impairments
VI8K3	Specialized policies on referral and placement procedures for individuals with visual impairments.
VI8K4	Specialized procedures for screening, prereferral, referral, and identification of individuals with visual impairments.
VI8K5	Alternative assessment techniques for individuals with visual impairments.
VI8K6	Interpretation and application of scores from assessments of individuals with visual impairments.
VI8S1	Interpret eye reports and other vision-related diagnostic information.
VI8S2	Use disability-specific assessment instruments.
VI8S3	Adapt and use assessment procedures when evaluating individuals with visual impairments.
VI8S4	Maintain disability-related records for individuals with visual impairments.
VI8S5	Gather background information and family history related to the individual's visual status.
VI8S6	Interpret and use assessment data for instructional planning with individuals with visual impairments.

Special Education Standard #9: Professional and Ethical Practice

Knowledge (K)/Skills (S):	
VI9K1	Organizations and publications relevant to the field of visual impairment.
VI9S2	Participate in the activities of professional organizations in the field of visual impairment.

Special Education Standard #10: Collaboration

Knowledge (K)/Skills (S):	
VI10K1	Strategies for assisting families and other team members in planning appropriate transitions for individuals with visual impairments.
VI10K2	Services, networks, publications for and organizations of individuals with visual impairments.
VI10S1	Help families and other team members understand the impact of a visual impairment on learning and experience.
VI10S2	Structure and supervise the activities of paraeducators and tutors who work with individuals with visual impairments.