

College of Education and Human Development Division of Special Education and disAbility Research

Spring 2017 EDSE 616: Braille Reading and Writing 3 – Credits Section DL1; CRN: 18081 Section 6V1; CRN: 21620 Section 6Y1; CRN: 21642

Instructor: Kimberly Avila, PhD, COMS	Meeting Dates: 01/23/17 - 05/08/17
Phone: 703.993.5625	Meeting Day(s): Monday
E-Mail: kavila@gmu.edu	Meeting Time(s):4:30 pm - 7:10 pm
Office Hours: Monday and Wednesday	Meeting Location: Internet
3:00-4:30 pm (virtual) or by appointment	
Office Location: Finley 203a	Other Phone: N/A
Mail:	
Kim Avila	
GMU: MSN 1f2	
4400 University Drive	
Fairfax, VA 22030	

Note: This syllabus may change according to class needs. Teacher Candidates/Students will be advised of any changes immediately through George Mason e-mail and/or through Blackboard.

Quick Links

Course Assignments Course Schedule

Course Description

Provides basic instruction on transcription of advanced Braille codes, including music, foreign language, chemistry, computer Braille, and Nemeth code (Braille math code). Introduces techniques for teaching skills in each code. Explores technology tools used to create Braille and tactile materials in addition to other assistive technologies used for instruction in math and science.

Prerequisite(s): EDSE 512; EDSE 511 (may be taken concurrently).

Notes: Delivered online. Schedule Type: LEC Hours of Lecture or Seminar per week: 3 Hours of Lab or Studio per week: 0

Prerequisite(s): EDSE 511; EDSE 512 (may be taken concurrently) **Co-requisite(s):** None

Advising Contact Information

Please make sure that you are being advised on a regular basis as to your status and progress through your program. Mason M.Ed. and Certificate teacher candidates/students should contact the Special Education Advising Office at (703) 993-3670 for assistance. All other teacher candidates/students should refer to their faculty advisor.

Advising Tip

Did you know you can evaluate your progress in the program at any time by running a Degree Evaluation in Patriotweb? Step by step instructions are available at http://registrar.gmu.edu/students/degree-evaluation/.

Course Delivery Method

Learning activities include the following:

- 1. Class lecture and discussion
- 2. Application activities
- 3. Small group activities and assignments
- 4. Video and other media supports
- 5. Research and presentation activities
- 6. Electronic supplements and activities via Blackboard

This course will be delivered online (76% or more) using a synchronous format via Blackboard Learning Management system (LMS) housed in the MyMason portal. You will log in to the Blackboard (Bb) course site using your Mason email name (everything before @masonlive.gmu.edu) and email password. The course site will be available on Monday, January 23, 2017.

Under no circumstances, may candidates/students participate in online class sessions (either by phone or Internet) while operating motor vehicles. Further, as expected in a face-to-face class meeting, such online participation requires undivided attention to course content and communication.

Technical Requirements

To participate in this course, students will need to satisfy the following technical requirements:

- High-speed Internet access with a standard up-to-date browser, either Internet Explorer or Mozilla Firefox is required (note: Opera and Safari are not compatible with Blackboard).
- Students must maintain consistent and reliable access to their GMU email and Blackboard, as these are the official methods of communication for this course.
- Students will need a headset microphone for use with the Blackboard Collaborate web conferencing tool.
- Students may be asked to create logins and passwords on supplemental websites and/or to download trial software to their computer or tablet as part of course requirements.
- The following software plug-ins for PCs and Macs, respectively, are available for free download:
 - o Adobe Acrobat Reader: <u>https://get.adobe.com/reader/</u>
 - Windows Media Player: https://windows.microsoft.com/en-us/windows/downloads/windows-media-player/
 - Apple Quick Time Player: www.apple.com/quicktime/download/

Expectations

<u>Course Week:</u>

Our course week will begin on the day that our synchronous meetings take place as indicated on the Schedule of Classes.

• Log-in Frequency:

Students must actively check the course Blackboard site and their GMU email for communications from the instructor, class discussions, and/or access to course materials at least 3 times per week. In addition, students must log-in for all scheduled online synchronous meetings.

• Participation:

Students are expected to actively engage in all course activities throughout the semester, which includes viewing all course materials, completing course activities and assignments, and participating in course discussions and group interactions.

• Technical Competence:

Students are expected to demonstrate competence in the use of all course technology. Students who are struggling with technical components of the course are expected to seek assistance from the instructor and/or College or University technical services.

<u>Technical Issues:</u>

Students should anticipate some technical difficulties during the semester and should, therefore, budget their time accordingly. Late work will not be accepted based on individual technical issues.

Workload:

Please be aware that this course is **not** self-paced. Students are expected to meet *specific deadlines* and *due dates* listed in the **Class Schedule** section of this syllabus.

It is the student's responsibility to keep track of the weekly course schedule of topics, readings, activities and assignments due.

Instructor Support:

Students may schedule a one-on-one meeting to discuss course requirements, content or other course-related issues. Those unable to come to a Mason campus can meet with the instructor via telephone or web conference. Students should email the instructor to schedule a one-on-one session, including their preferred meeting method and suggested dates/times.

• Netiquette:

The course environment is a collaborative space. Experience shows that even an innocent remark typed in the online environment can be misconstrued. Students must always re-read their responses carefully before posting them, so as others do not consider them as personal offenses. *Be positive in your approach with others and diplomatic in selecting your words*. Remember that you are not competing with classmates, but sharing information and learning from others. All faculty are similarly expected to be respectful in all communications.

<u>Accommodations:</u>

Online learners who require effective accommodations to insure accessibility must be registered with George Mason University Disability Services or with the disability service office of each candidates Consortium university.

Learner Outcomes

Upon completion of this course, teacher candidates/students will be able to:

- 1. Transcribe and read mathematical materials for school aged teacher candidates/students using Nemeth code.
- 2. Calculate mathematical problems using the Cranmer abacus, including addition, subtraction, multiplication, and division.
- 3. Demonstrate knowledge of materials and instructional strategies for teaching mathematics and science to teacher candidates/students with visual disabilities.
- 4. Demonstrate basic knowledge of foreign language, computer, and music codes, and to identify resources for obtaining information on these codes.
- 5. Demonstrate knowledge of basic guidelines for production of tactile graphics.
- 6. Identify strategies for teaching the reading of tactile graphics to teacher candidates/students with visual impairment.
- 7. Demonstrate knowledge of technology tools for creating braille materials and tactile graphics.
- 8. Demonstrate the use of a slate and stylus to produce accurate braille.
- 9. Demonstrate knowledge of materials and instructional strategies for teaching reading and writing of literary braille.

Course Relationship to Program Goals and Professional Organizations

This course is part of the Virginia Consortium for Teacher Preparation in Vision Impairment Program for teacher licensure in the Commonwealth of Virginia in the special education areas of Special Education: Visual Impairments PK-12. This program complies with the standards for teacher licensure established by the Council for Exceptional Children (CEC), the major special education professional organization. This program complies with the standards for teacher licensure established by the Council for Exceptional Children (CEC), the major special education professional organization, as well as those established by the Interstate Teacher Assessment and Support consortium (InTASC). The standards addressed in this class include CEC Standard 1: Learner development and individiaul learning differences (InTASC 1,2); CEC Standard 3: Curricular content knowledge (InTASC 4,5); CEC Standard 4: Assessment (InTASC 6) & CEC Standard 5: Instructional planning and strategies (InTASC 7,8).

Required Textbooks

- Holbrook, M. C., & D'Andrea, F. M. (2014). Ashcroft's programmed instruction: Unified English Braille (Fifth Edition). Germantown, TN: <u>Scalars Publishing</u>. **ISBN**: 978-0-9960353-0-9. This is the same book required for Braille Code Order Ashcroft UEB online from Scalars Publishing
- Abacus Made Easy Second Edition Simplified Manual for Teaching the Cranmer Abacus. (1975). American Printing House for the Blind. Louisville, KY. Available in print: catalog number: 4-00100-00 Available in braille: Catalog Number: 5-00220-00 Order directly from APH.
- 3. <u>Nemeth Code Reference Sheet from the American Printing House for the Blind</u> Available in either print or embossed braille <u>Nemeth Code Reference Sheet for Basic Mathematics: Braille 5-87400-00</u> <u>Nemeth Code Reference Sheet for Basic Mathematics: Print 7-87500-00</u>

Required textbooks listed below are free and may be downloaded online.

- 4. UEB Guidelines for Technical Material (GTM) in PDF print format
 - <u>UEB Guidelines for Technical format in BRF format</u> (for candidates who use electronic and/or embossed braille)
- 5. UEB Rulebook (2013)
 - Available in BRF
- 6. <u>The Nemeth Braille Code for Mathematics and Science Notation (1972)</u> Please note: this publication does not include the code switch information
- 7. Guidance for Transcription Using the Nemeth Code within UEB Contexts
- 8. Provisional Guidance for Transcribing Foreign Language Material in UEB
- 9. Music Braille Code, 2015

Required Resources

- <u>Nemeth Code Tutor</u> : Free software for Nemeth Code practice
- Perky Duck or other manual input electronic brailler (may not be a transcription program)

• Manual braille writer: may be checked out from your Consortium university

The following supplies are available from various vendors. <u>APH offers a student starter pack</u> with these items included:

- Cranmer Abacus
- Braille paper
- Slate & stylus

Recommended Textbooks

American Psychological Association. (2010). Publication manual of the American Psychological Association (6th ed.). Washington, DC: Author.

Craig, R. (1987). Learning the Nemeth Braille code: A manual for teachers and students. American Printing House for the Blind. Print version catalog number: 7-686-53-00 Tactile braille copy of books: 5-68653-00 Phone ordering: 800-223-1839 Order online from APH: Learning Nemeth Code

- Livingston, R. (1997). Use of the Cranmer Abacus (2nd ed.). Austin, TX: Texas School for the Blind and Visually Impaired. Order # 59420CAP Order from: Texas School for the Blind and Visually Impaired
- Mangold, P. *Teaching the braille slate and stylus*. Castro Valley, CA: Exceptional Teaching Aids.
- Olsen, M. (1981). *Guidelines and games for teaching efficient braille reading*. New York: American Foundation for the Blind.
- Swenson, A. (2016). *Beginning with braille: Firsthand experiences with a balanced approach to literacy* (2nd edition). New York: American Foundation for the Blind.
- Rex, E. J., Koenig, A. J., Wormsley, D. P., & Baker, R. L. (1994). *Foundations of braille literacy*. New York: American Foundation for the Blind.
- Wormsley, D. B. (2004). Braille literacy: A functional approach. New York: AFB Press.

Additional Readings

Additional required readings are found on Blackboard

- Braille Authority of North America. (n.d.).The evolution of braille: Can the past help plan the future? Braille Authority of North America, Part 3
- Barclay, L., Herlich, S.A., & Sacks, S.Z. (2010). Effective teaching Strategies: Case Studies from the Alphabetic Braille and Contracted Braille Study. *Journal of Visual Impairment and Blindness, 104*(12), 573-64.
- Harris, B.A. (2011). Effects of the proximity of paraeducators on the interactions of braille readers in inclusive settings. *Journal of Visual Impairment and Blindness, 105*(8), 467-

78.

- Holbrook, M., & MacCuspie, P. (2010). The Unified English Braille Code: Examination by science, mathematics, and computer science technical expert braille readers. *Journal of Visual Impairment & Blindness*, *104*(9), 533-541.
- Holbrook, M.C. & Koenig, A.J. (1992). Teaching braille reading to students with low vision. *Journal of Visual Impairment and Blindness, 86*(1), 44-48.
- Kamei-Hannan, C., Lawson, H. (2012). Impact of a Braille-Note on writing: Evaluating the process, quality, and attitudes of three students with visual impairments. *Journal of Special Education Technology 27*(3).
- Rosenblum, L., & Herzberg, T. (2011). Accuracy and techniques in the preparation of mathematics worksheets for tactile learners. *Journal of Visual Impairment & Blindness*, *105*(7), 402-413.
- Ryles, R., & Bell, E. (2009). Participation of parents in the early exploration of tactile graphics by children who are visually impaired. *Journal of Visual Impairment & Blindness*, *103*(10), 625-634.

Samuels, C. A. (2008). Braille makes a comeback. Education Week, 27(43), 27-29.

Siligo, W. (2005). Enriching the ensemble experience for students with visual impairments. *Music Educators Journal*, *91*, 31.

Course Performance Evaluation

Students are expected to submit all assignments on time in the manner outlined by the instructor (e.g., Blackboard, Tk20, hard copy).

Tk20 Performance-Based Assessment Submission Requirement

It is critical for the special education program to collect data on how our students are meeting accreditation standards. Every teacher candidate/student registered for an EDSE course with a required Performance-based Assessment (PBA) is required to upload the PBA to Tk20 (regardless of whether a course is an elective, a one-time course or part of an undergraduate minor). A PBA is a specific assignment, presentation, or project that best demonstrates one or more CEC, InTASC or other standard connected to the course. A PBA is evaluated in two ways. The first is for a grade, based on the instructor's grading rubric. The second is for program accreditation purposes. Your instructor will provide directions as to how to upload the PBA to Tk20.

For EDSE 616, the required PBA Four-Week Literacy Plan and Intervention Project. Failure to submit the assignment to Tk20 will result in reporting the course grade as Incomplete (IN). Teacher candidates/students have until five days prior to the University-stated grade change deadline to upload the required PBA in order to change the course grade. When the PBA is uploaded, the teacher candidate/student is required to notify the instructor so that the "IN" can be changed to a grade. If the required PBA is not uploaded five days prior to the University-stated grade change deadline and, therefore, the grade not changed, it will become an F. Please check to verify your ability to upload items to Tk20 before the PBA due date.

Assignments

Performance-based Assessment (Tk20 submission required)

Literacy Plan and Intervention Project (100 points): This assignment is focused on developing a literacy plan for students who are tactile readers. You will be required to (1) observe a student with a visual impairment in a content area and write reflective notes regarding the observation and student needs. (2) You will then select a content area concept that requires instruction and includes a tactile graphic, and (3) research what types of graphs and charts are needed to introduce, instruct, practice, and assess the concepts (you will present this part of the project to the class). Based on your observations and research, you will create a series of at least 4 comprehensive lesson plans with accompanying tactile models/diagrams/drawings and/or graphics that can be used to introduce and teach the symbols and concepts. Consider the hierarchy of tactile skill development, as you create the materials. The lesson plans should include explicit instruction for literacy skills (e.g. understanding key vocabulary) using age appropriate narrative and expository texts in accessible format AND for tactile development skills (e.g. tactile discrimination).

A complete description of this project and rubric are found on Blackboard.

College Wide Common Assessment (Tk20 submission required) None required.

Performance-based Common Assignments (No Tk20 submission required.) None required.

Other Assignments

Candidates are required to submit all assignments as required via designated Blackboard upload, post mail, or other specified submission method. Items submitted through the non-designated method may not count as completed or submitted.

Participation. Active participation in discussions and other course related content is essential to master material and concepts. Each week, two participation points are available and may require submitting various materials, transcription samples, documents or discussion board posts. In certain weeks, no material submission may be required. Candidates who arrive late, leave early or are otherwise not present for the entire class may lose all or some participation points. Each week, participation requirements will vary and will be specified in the class. Unexcused absences will not be permitted to make up participation points.

Abacus Assignment. This assignment will require candidates to explore the Cranmer abacus and to demonstrate proficiency skills related to basic and intermediate mathematical computation with the abacus.

Homework Assignments. This course contains eight homework assignments that will directly relate to content and transcription work in math, literary, other special codes, abacus work, formatting, essays, surveys, group work, research, and other activities. Each homework assignment will be posted on Blackboard with specified activities and point allocation. Each

homework assignment is due by the beginning of the class (4:30 pm) of the date specified on the course schedule. Transcription must be done with manual or electronic input braille programs (Perky Duck, braille writer). No transcription programs may be used to produce any product in this course.

Checkpoints. Two checkpoints in this class will assess concepts related to their unit of study and other transcription concepts, braille instruction, and research. Checkpoint transcription may include electronic and manual braille production (brailler and slate & stylus) in addition to producing other relevant materials.

Portfolio. This class requires each candidate produce a transcription portfolio based on UEB literary and technical transcription. Literary and formatting concepts may also be required. The portfolio is to be produced with a manual brailler and slate & stylus. These materials are to be mailed and postmarked by the date specified. Mail tracking is highly recommended.

Mailing address: Kim Avila GMU: MSN 1F2 4400 University Drive Fairfax, VA 22030

Course Policies and Expectations Attendance/Participation

Attendance at all course meetings is mandatory. Only in the case of an emergency or other urgent situation will an absence be excused. Candidates must inform the instructor in advance of an upcoming, unavoidable absence, or as soon as possible if there is an emergency situation. Due to the rapid nature of this course, more than one absence may result in dismissal from this class. It is up to the discretion of the instructor to excuse the absence, which may or may not allow makeup of participation points.

Late Work

All work is due by the start of class on the date specified in the course schedule. All coursework must be submitted on time, as each assignment in this class builds upon previous content. A candidate who has an approved accommodation for extended time must inform the instructor in writing, in advance with documentation for this approved accommodation from his/her Consortium university before an assignment requiring extended time is due. In the event of an emergency, candidates must inform the instructor of the situation; it is up to the instructor to determine if a scenario may warrant a time extension. Time extensions will not be granted retroactively and in the rare event an extension is granted, it may be subjected to point reduction.

Grading Scale

Percent	Grade	Points
93-100	А	360-388
90-92	A-	349-359
88-89	B+	341-348
83-87	В	322-340
80-82	B-	310-321
70-79	С	271-320
<69	F	<270

Assignment	Points	Due
Participation 14x2	28	Weekly
Homework 8x10	80	Specified in course schedule
Checkpoints 2x50	100	UEB: Feb 27
		Nemeth: April 24
Abacus assignment	20	March 6
Transcription portfolio	60	March 20
Unit plan with field	100	Unit plan due: April 10
experience and		Unit plan presentation: April 17
presentation		
Total	388	

Professional Dispositions

Students are expected to exhibit professional behaviors and dispositions at all times.

Core Values Commitment

The College of Education and Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles: <u>http://cehd.gmu.edu/values/</u>

GMU Policies and Resources for Students

Policies

- Students must adhere to the guidelines of the Mason Honor Code (see http://oai.gmu.edu/the-mason-honor-code/).
- Students must follow the university policy for Responsible Use of Computing (see http://universitypolicy.gmu.edu/policies/responsible-use-of-computing/).
- Students are responsible for the content of university communications sent to their Mason email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students **solely** through their Mason email account.

- Students with disabilities who seek accommodations in a course must be registered with George Mason University Disability Services or with the disability service office at the candidate's Consortium University. Approved accommodations will begin at the time the written letter from Disability Services is received by the instructor (see <u>http://ods.gmu.edu/</u>).
- Students must follow the university policy stating that all sound emitting devices shall be silenced during class unless otherwise authorized by the instructor.

Campus Resources

- Support for submission of assignments to Tk20 should be directed to <u>tk20help@gmu.edu</u> or <u>https://cehd.gmu.edu/api/tk20</u>. Questions or concerns regarding use of Blackboard should be directed to <u>http://coursessupport.gmu.edu/</u>.
- The George Mason University Writing Center staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing (see <u>http://writingcenter.gmu.edu/</u>).
- The George Mason University Counseling and Psychological Services (CAPS) staff consists of professional counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops and outreach programs) to enhance students' personal experience and academic performance (see <u>http://caps.gmu.edu/</u>).
- The George Mason University Office of Student Support staff helps students negotiate life situations by connecting them with appropriate campus and off-campus resources. Students in need of these services may contact the office by phone (703-993-5376). Concerned students, faculty and staff may also make a referral to express concern for the safety or well-being of a Mason student or the community by going to <u>http://studentsupport.gmu.edu/</u>, and the OSS staff will follow up with the student.

For additional information on the College of Education and Human Development, please visit our website <u>https://cehd.gmu.edu/</u>.

Class Schedule

Note: Faculty reserves the right to alter the schedule as necessary, with notification to students.

Date	Topics	Readings and assignments
Jan. 23	Course overview	Overview of changes from EBAE to UEB

	 Literary braille: EBAE to UEB transition: overview and practice of changes Introduction to UEB numeric (part I) Braille flashcards 	Ashcroft Ch. 3 Exercises 3.2.1, 3.2.2, 3.2.3 <u>GTM</u> : pp. 8-10 and 15-17
Jan. 30	 Math transcription: UEB Part II Spatial layout for UEB Groupings Fractions and mixed numbers Currency and measurement Square root and radicals Creating braille number lines 	GTM: pp. 12-14, 20-25, 31-33, 40 Ashcroft Ch. 4.4: Spatial equations for addition, subtraction, and division Exercises 4.4.1, 4.4.2 Ashcroft Ch. 5 Exercises 5.1.2, 5.2.1 Ashcroft Ch. 6 Exercises 6.6.1, 6.6.2, 6.7.1 UEB Rulebook: 11.5 UEB Rulebook: 16.2 Due: Homework 1
Feb. 6	 Math transcription: UEB Part III Percent, degrees, and angles Superscripts and subscripts Special symbols: lines and line segments, shape indicators Adapting math worksheets 	GTM: pp. 12-13, 50, 58 Ashcroft Ch. 7 Ashcroft Ch. 10 Exercises: 10.6.1, 10.6.2 Ashcroft Ch. 11 Exercises 11.6.1 UEB Rulebook: 11.6-7 Due: Homework 2
Feb. 13	 Math transcription: UEB Part IV Roman numerals and additional math symbols Matrices and Vectors Literary reading practice activity 	<u>GTM</u> : pp. 11, 69-73 Ashcroft Ch. 12 Exercises 12.4.2, 12.4.3 UEB Rulebook 11.8 Due: Homework 3
Feb. 20	 UEB review UEB and Chemistry Introduction to the abacus Tactile games and interactive braille lessons 	GTM: pp. 74-82 UEB Rulebook: 11.9 Abacus Made Easy Due: Homework 4
Feb. 27	Abacus cont'd	Abacus Made Easy

	UEB Checkpoint	UEB Checkpoint
March 6	 Methods to create tactile graphics Techniques and tools for science and math instruction Transcription of electronic information (Computer notation) 	GTM: pp. 83-87 Ashcroft Ch. 4: Electronic addresses Ch. 8: # and other special symbols Ch. 12: dashes, backslash UEB Rulebook: 11.10 Due: Abacus overview assignment
March 13	Spring break: no class meeting	
March 20	 Code switching 14.6 Nemeth Code within UEB text Introduction to Nemeth Code Nemeth numbers Nemeth symbols: commas, decimals, signs of operation 	Guidance for Transcription Using the Nemeth Code within UEB ContextsNemeth Tutorial:Chapters 1, 2.1, 3.1, 3.2Nemeth Code:Rules I, II, XIXDue:Transcription portfolio (postmarked by this date)Due:Homework 5
March 27	Nemeth	
	 Spatial arrangements Fractions Grouping Techniques for transcribing various materials, worksheets, tables, charts, special formatting, etc. 	Nemeth Tutorial Nemeth Code: Rules X, XII, XXIV, Rule XVIII, Nemeth Code: pp. 75 Due: Homework 6
April 3	 Nemeth Signs and symbols of comparison Shapes Super and subscripts Braille transcription programs Transcription techniques for TBVIs 	<u>Nemeth Tutorial</u> <u>Nemeth Code</u> : Rules XIII, XVI, XVIII, XXI, Due: Homework 7
April 10	 Nemeth Modifier, radicals, formatting Advanced math transcription Overview of MathSpeak 	<u>Nemeth Tutorial</u> <u>Nemeth Code</u> : Rule XV

	 MathSpeak class activity 	<u>MathSpeak</u> Due: Unit plans Due: Homework 8
April 17	Unit plan presentations	
April 24	Nemeth Checkpoint Special codes: • Foreign languages • Music braille	UEB Rulebook: Section 13 and Section 14 for music brailleMusic Braille Code, 2015UEB Rulebook: 3.18Provisional Guidance for Transcribing Foreign Language Material in UEBDue: Nemeth Checkpoint
May 1	Course conclusion	

Assessment Rubric: Unit Plan

	Does Not Meet	Meets	Exceeds
	Expectations	Expectations	Expectations
	1	2	3
Learner	The candidate	The candidate	The candidate
Development and	nrovides partial	nrovides general	provides detailed
			provides detailed
Individual Learning	information about	information about	information about
Differences	learner's	learner's	learner's
	background	background and	background and
CEC/B&VI	omitting relevant	educational	educational
Standards 1	information about	experiences,	experiences,
	student	highlighting	highlighting the
The candidate will	experiences and	individualized	extent to which
provide learner	educational	strategies that are	tactile skills have
background	strategies	currently being	been taught and
information	currently being	used to enhance	individualized
	employed or	language	strategies that are
	information about	development and	currently being
	learner	teach	used to enhance
	characteristics.	communication	language

	Does Not Meet	Meets	Exceeds
	Expectations	Expectations	Expectations
	1	2	3
		skills to learner	development and
		with visual	teach
		impairment.	communication
		The candidate	skills to learner
		provides general	with visual
		information on	impairment.
		learner	The candidate
		characteristics,	provides detailed
		including visual	information on
		condition and the	learner
		effects of the	characteristics,
		learners' visual	including visual
		impairment on	condition and the
		learning and	effects of the
		experience.	learners' visual
		Candidate	impairment on 1)
		describes the	learning and
		perspective of	experience and 2)
		cultural and	receptive and
		linguistic	expressive literacy
		differences on	and
		growth and	communication.
		development.	Candidate
			describes the
			perspective of
			cultural and
			linguistic
			differences on
			growth and
			development.
		·	
Learning	Candidate	Candidate	Candidate
Environments	describes the	describes the	describes the
	learning	learning	learning
	environment in	environment in	environment in
CEC/B&VI Standard	which in the	which in the	which in the
2	intervention took	intervention took	intervention took
	place, specifying	place, specifying	place, specifying
	the age, grade	the age, grade	the age, grade

	Dese Net Mest	Maata	F ace and a
	Does Not Meet	Weets	Exceeds
	Expectations	Expectations	Expectations
	1	2	3
The candidate will	level, subject	level, subject	level, subject
design a learning	matter of the	matter of the	matter of the
environment	learner with visual	learner with visual	learner with visual
description with	impairment and	impairment and	impairment and
identified supports	the	the	the
of lesson integration	school/program in	school/program in	school/program in
is placement setting.	which the student	which the student	which the student
The candidate	is enrolled.	is enrolled.	is enrolled.
describes the use of	Candidate		Candidate
multisensory	provides cursory	Candidate	describes the
learning	description of the	identifies supports	extent to which the
environments that	learning	needed for lesson	learning
encourage student	environment that	integration into	environment
participation and	encourage active	various program	encourages active
materials/technology	participation in	placements	participation in
needed for the	individual and		individual and
learner with a visual	group activities	.	group activities
impairment. The		Candidate	
candidate provides		describes the use	Candidate
for incidental		of multisensory	describes and
learning		learning	supports needed
opportunities.		environments that	for lesson
		encourage active	integration into
		participation in	various program
		individual and	placements
		group activities	
		describes the	designed and
		classroom	clearly described
		organization	multi-sensory
			learning
		motoriolo	
		auipmont and	encourage active
		tochnology for	aroup and
		ctudent with viewel	individual activitica
			Condidate
		1	CI222100111

	Does Not Meet	Meets	Exceeds
	Expectations	Expectations	Expectations
	1	2	3
			organization
			needed to
			accommodate
			materials,
			equipment, and
			technology for
			student with visual
			impairment.
			Candidate
			describes access
			to incidental
			learning
			experiences.
Content Area	Overarching	Candidate	Candidate
Lesson Plan	concept of unit	describes the	describes the
	plan is unclear or	overarching	overarching
	context for unit	concept that is	concept that is
CEC/B&VI Standard	plan is not	being developed	being developed
5	adequately	and the context for	and the context for
	described. The	the unit plan	the unit plan
The candidate will	scope and	(prioritized area of	(prioritized area of
prepare lesson	sequence of unit	the general	the general
plans, Prepare and	plan is incoherent	education	education
organize materials	or no rationale for	curriculum)	curriculum).
to implement daily	progression of	Candidate	Candidate
lesson plans,	skills is described.	describes the	describes the
provide strategies	Candidate fails to	overall purpose of	overall purpose of
for teaching new	make an explicit	the unit plan that	the unit plan that
concepts	connection	is being designed	is being designed
	between literacy	to promote	to promote
	and instructional	positive learning	positive learning
	concepts of unit.	results in the	results in the
		general	general
		curriculum.	curriculum.
		Candidate	Candidate
		describes the	provides a
		integration of	rationale for the
		literacy skill	progression of
		instruction for the	skills (scope and

Does Not Meet	Meets	Exceeds
Expectations	Expectations	Expectations
•	•	•
1	2	3
	unit plan, which	sequence)
	may include	covered in unit
	narrative or	and the expected
	expository	achievement for
	materials or	overall unit.
	vocabulary and	Candidate
	comprehension	describes the
	instruction to	integration of
	promote	literacy skill
	understanding of	instruction for the
	the content area	unit plan, which
	concepts.	may include
	Candidate	narrative or
	describes	expository
	strategies for	materials or
	teaching new	vocabulary and
	concepts.	comprehension
	Candidate	instruction to
	provides	promote
	instructional	understanding of
	strategies	content area
	considered to	concepts,
	individualize	incorporating
	instruction for	evidence-based
	impairment.	literacy strategies
		into direct
		instruction.
		Candidate
		describes
		evidence-based
		instructional
		strategies
		considered to
		individualize
		instruction for
		learner with visual
		impairment.
Candidate	Candidate	Candidate
prepares	prepares	prepares

	Does Not Meet	Meets	Exceeds
	Expectations	Expectations	Expectations
	Expediations	Expediations	Expediations
	1	2	3
Three Lesson Plans	incomplete lesson	comprehensive	comprehensive
	plans for	lesson plans for	lesson plans for
	instructional unit	instructional unit.	instructional unit.
Instructional	and does not	Candidate	Candidate
Planning &	include evidence-	includes specific	includes specific
Strategies	based teaching	strategies to teach	evidence-based
CEC/B&VI	methods and	critical lesson	strategies to teach
Standards 5	strategies	content and	critical lesson
	appropriate to the	vocabulary. The	content and
The candidate	needs of learners	procedure	vocabulary. The
prepares lesson	with visual	includes a	procedure
plans using	impairment.	description of	includes a
evidence-based	Candidate does	teaching	description of
practices validated	not prepare	strategies used to	evidence-based
for specific	lessons which	build the content	literacy strategies
characteristics of	make a clear	area concepts with	used to build the
learners and	connection	a clear connection	content area
settings in	between content	to literacy skills.	concepts with a
instructional	area literacy skills	Candidate	clear connection
planning.	and concepts.	includes explicit	to literacy skills.
		instruction in	Candidate
The candidate uses		content area	includes explicit
communication		literacy, which	instruction in
strategies and		may include age	content area
resources to		appropriate	literacy, which
facilitate		narrative and	may include age
understanding of		expository texts in	appropriate
subject matter for		accessible format	narrative and
individuals with		or vocabulary and	expository texts in
exceptionalities		reading	accessible format
whose primary		comprehension	or vocabulary and
language is not the		strategies to	reading
dominant language.		promote	comprehension
		understanding of	strategies to
		text.	promote
		Candidate clearly	understanding of
		and accurately	text.
		documents:	Candidate clearly
			and accurately

Does Not Meet	Meets	Exceeds
Expectations	Expectations	Expectations
•	•	•
1	2	3
	 Measurable lesson plan objective(s) Lesson plan materials. Pre-instructional set Lesson plan method/procedure (task analysis) Lesson data collection methods Closure 	 documents: Measurable lesson plan objective(s) Lesson plan materials. Pre-instructional set Lesson plan method/procedure (task analysis) Lesson data collection methods Closure
	Candidate lists and briefly describes 2- Evidence-based practices validated for specific characteristics of learners and settings and uses APA style references. Candidate develops comprehensive lesson plans that are written with high levels of detail such that a substitute TVI could carry them out.	Candidate lists and briefly describes at least 2 evidence-based strategies, practices validated for specific characteristics of learners and settings and uses APA style references. Each evidence-based practice also contains a clear rationale for incorporating strategy.
	Candidate	comprehensive

	Doos Not Moot	Moote	Excoods
	Expectations	Expectations	Expectations
	1	2	3
		describes strategies for teaching learner who is a non- native English speaker.	lesson plans that are written with high levels of detail such that a substitute TVI could carry them out. Candidate includes clear plans for connecting the concepts from one lesson to the next throughout the unit and strategies for integrating student initiated learning (critical thinking, problem solving). Candidate describes strategies for teaching learner who is a non- native English
Assessment Plan for	Candidate does	Candidate creates	speaker. Candidate creates
the Unit	not to embed or	a formal	a formal
CEC/B&VI Standard 4	and informal assessment methods in the	including one test, focusing on	including one test, focusing on
The candidate creates and	unit.	concept development, for	concept development, for
interprets formal and informal assessment	Candidate does not demonstrate	the overall unit. Each lesson plan	the overall unit, connecting the
methods embedded in the unit.	ability to create and maintain accurate records	includes informal assessment procedures, including an	concepts from one lesson to the next throughout the unit and strategies for

	Does Not Meet	Meets	Exceeds
	Exportations	Exportations	Exportations
	1	2	3
	of student	assessment	integrating student
	learning.	form/worksheet for	initiated learning
		collecting data on	(critical thinking,
		student learning to	problem solving).
		conduct self-	
		evaluation of	Each lesson plan
		instruction.	includes informal
		Candidate	assessment
		documents ability	procedures,
		to create and	including an
		maintain accurate	assessment
		records of student	form/worksheet for
		learning.	collecting data on
			student learning to
			conduct self-
			evaluation of
			instruction.
			Candidate
			demonstrates
			ability to create
			and maintain
			accurate records
			of student
			learning.
Tactile Models,	Tactile materials	Tactile materials	Tactile materials
Diagrams, or	are not well	are well designed.	are well designed.
Drawings	designed or	Candidate	Candidate
	materials used to	selected	considered: size,
Instructional	prepare materials	appropriate	scale, density, use
Planning &	are not	materials and	of symbols, labels
Strategies	appropriate.	provided clear	and legend, if
	Tactile materials	rationale for	appropriate.
CEC/B&VI Standard	do not represent	selection of	Candidate
5	the concept/skill	materials,	selected
	being taught in a	including	appropriate
	logical or	considerations of	materials and
	sequential order.	the unique	provided clear
	Tactile materials	characteristics of	rationale for

	Does Not Meet	Meets	Exceeds
	Expectations	Expectations	Expectations
	Expectations	Expectations	Expediations
	1	2	3
The candidate will select and adapt materials in tactile/accessible format. The candidate provides strategies for teaching tactual perceptual skills.	do not accurately represent the concept/skill being taught. Strategies for teaching tactual perceptual skills are not included as needed.	the student with visual impairment. Tactile materials clearly communicate concept/skill taught in a sequential and logical order. Strategies for teaching tactual perceptual skills are included as needed. Tactile materials accurately depict concept/skill and include essential elements.	selection of materials, including considerations of the unique characteristics of the student with visual impairment. Tactile materials clearly communicate concept/skill taught in a sequential and logical order. Tactile materials accurately depict concept/skill and include essential elements, avoiding extraneous information. Strategies for teaching tactual perceptual skills are included as needed and described in depth.
Direct Instruction	Candidate doos	Candidate writes a	Candidato
Reflection	not write a self-	annulate willes a	nrovides an in-
	avaluation of	evaluation of	denth self
CEC/B8//I Standard	instruction or door	instruction and	ovaluation of
CEC/DAVI Stanuard	Instruction of does		
מ	not reflect on the	reflects on the	instruction and
	practice to	practice to	reflects on the

	Does Not Meet	Meets	Exceeds
	Expectations	Expectations	Expectations
[1	2	3
	improve	improve	practice to
-	instruction and	instruction and	improve
The candidate will	guide professional	guide professional	instruction and
reflect on one's	growth.	growth.	guide professional
practice to improve			growth.
instruction and	Candidate does	Candidate	
guide professional	not describe	describes specific	Candidate
growth.	specific	considerations for	describes specific
	considerations for	improving the	considerations for
	improving the	lesson unit.	improving the
	lesson unit; or	Candidate	lesson unit.
	Candidate fails to	describes the	Candidate
	describe the ease	ease with which	describes the
	with which the	the student was	ease with which
	student was able	able to interpret	the student was
	to interpret the	the tactile	able to interpret
	tactile materials;	materials.	the tactile
	or	Candidate	materials and
	Candidate fails to	describes the next	discusses
	describe the next	steps to promote	potential
	steps to promote	further	adaptations for
	further	understanding of	improving them.
	understanding of	concepts/skills.	Candidate
	concepts/skills.		describes the next
			steps to promote
			turther
			understanding of
			concepts/skills in
			general education
			curriculum.