Texas School for the Blind and Visually Impaired

Outreach Programs

[www.tsbvi.edu](http://www.tsbvi.edu) | 512-454-8631| 1100 W. 45th St. | Austin, TX 78756

Coffee Hour: Resources & Guidance For Using the CVI Range

## February 27, 2023

## Facilitated by

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# Where are you in your CVI Assessment Journey?

* Resources for increasing CVI knowledge
* Resources for learning about the CVI Range (C. Roman, 2017) assessment process
* Tools/Resources Used in Coaching/Collaboration
* CVI Range Collaboration Overview (building your skills, knowledge, and community)

# Resources for Increasing CVI Knowledge

* [Pediatric Cortical Visual Impairment Society](https://pcvis.vision/)
* Christine Roman: [CVI Resources](https://cviresources.com/), [YouTube channe](https://www.youtube.com/c/RomanonCVI/videos)l
* CVI Scotland: [Lessons](https://cviscotland.org/lessons.php)
* [Perkins CVI Now](https://www.perkins.org/cvi-now/)
* Diane Sheline: [Strategy to See](http://www.strategytosee.com/)
* more resources in the handout

# Resources for learning about the CVI Range assessment process

* [*Cortical Visual Impairment: An Approach to Assessment and Intervention*](https://www.aph.org/product/cortical-visual-impairment-an-approach-to-assessment-and-intervention-2nd-edition/) Roman Lantzy, C. A. (2018). 2nd Edition. New York: American Foundation for the Blind.
* Texas School for the Blind and Visually Impaired: [CVI Scenarios, Phase I, Phase II, Phase III](https://www.tsbvi.edu/statewide-resources/professional-development/online-learning?pa=2) (free, up to 12 CEUs)
* 10 week Perkins Course: [The CVI Range Approach](https://www.perkins.org/course/the-cvi-range-approach/) ($400, 50 CEUs)

# CVI Range Collaboration (building your skills, knowledge, and community)

* Parent Interview
* Observation
* Direct Assessment
* Score Rating II
* Score Rating I
* Find the CVI Range
* Considerations for learning media
* Intervention

# Tool for Data Collection

## Data Collection Form which includes

* Each Characteristic (Visual Complexity broken down into 4 parts)
* A section under each characteristic to record information gleaned from:
* Parent Interview
* Observation
* Direct Assessment
* [Example](https://docs.google.com/document/d/1BetYqzJOcnQAmnrh0d5bkot1A3Rgxm9tQvfOXoInPCA/edit?usp=sharing) from Sandra Newcomb

# Parent Interview

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* Parent Interview questions (p. 56)
* Parent Interview answer guide (p. 64)
* How to do the parent interview (p. 90)

# Observation

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* Use “observation” section on p. 91-92, Roman, 2017, for ideas

# Direct Assessment

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* Procedure Guide - Ideas for Direct assessment (p. 138)
* Suggestions for Direct Assessment of CVI Characteristics (p. 93)
* Suggestions for an Assessment Kit (p. 95)

# Score Rating II

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* Description of Rating 2 (p. 103-105)
* Scoring Complexity (p. 105)
* Rating 2 Scoring Guide (p. 166)

# Score Rating I

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* See directions on bottom of first page of CVI Range Assessment
* Rating 1 Scoring Guide (p. 153)
* Directions for the “Ceiling Effect” (p. 101)

# Find the CVI Range

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* The Two CVI Range Scores (p. 106)
* If the difference between Rating I and Rating II is greater than 1.5, re-evaluate your scoring decisions.
* When in doubt, score conservatively (p. 105)

# Considerations for Learning Media

## Sensory Balance: Planning for Students with CVI, Roman & Tietjen, Perkins School for the Blind, 2020

* [Web Tutorial from Perkins](https://www.perkinselearning.org/videos/webinar/approach-sensory-balance)
* [Forms](https://www.perkins.org/resource/sensory-balance/)

# Intervention

## Cortical Visual Impairment: An Approach to Assessment and Intervention, Roman, 2nd Edition (AFB Press)

* Sample Recommendations and Interventions for CVI (based on phase & range) (p. 231)
* Chapter 6: Program Planning & Intervention (p. 175)

# Steps followed in the collaborative process

* Identify student who needs assessment
* Decide on who will be the lead
* Determine who will help process the information (TVI/COMS/OT/Parent/ESC VI Lead/TSBVI/etc.)
* Agree on a secure way to share documents and videos: we use Google Drive.
* Create a folder and share it with the participants.
* Create a data sheet (or use Newcomb’s)
* Gather information from parent using the parent interview questionnaire
* Take video clips of student using their vision in typical environments
* Meet as a team to process information from the parent interview and observation clips and record on your data sheet.
* View the descriptions of each section of the range and estimate how the child is using their vision from the data you have so far.
* Hone in on which section(s) you will spend the most time on. When in doubt, start with Range 1-2.
* Using information from the data sheet and the Rating I Scoring Guide, identify the items that you have sufficient information about and those that you do not.
* Highlight the areas on the CVI Range Rating 1 score sheet that need to be tested (not enough information yet)
* Use the Procedure Guide for CVI Range Rating I if you need help with ideas for how to test specific statements.
* Decide what materials you will bring (for guidance, use “Suggested Items for an Assessment Kit”)
* Find a location in which the environment can be controlled (lights, array, sound, etc.)
* Determine who will video and who will perform the assessment.
* Video the direct assessment and upload clips into shared folder
* Meet as a team to review the direct assessment clips.
* Record information from direct assessment onto your data collection sheet.
* Fill out the CVI Range Rating 2 based on overall knowledge using scoring guide.
* Fill out the CVI Range Rating 1 based on the data sheet and scoring guide.
* Determine the CVI Range from the number found in Rating 1 and the number found in Rating 2.
* The Range score will help you determine the child’s CVI Phase.
* Use the book for intervention suggestions (p.231) by Characteristic and Phase to help identify recommendations to increase the child’s visual functioning across the day.
* Use the data sheet information to report on each characteristic if you want to add it to your FVE.
* Use the statements from Rating 1 to determine present levels of visual performance.
* Use the statements from Rating 2 to determine accommodations.
* Sensory Balance: Planning for Students with CVI, Roman & Tietjen, Perkins School for the Blind, 2020
* Fill out the Learning Media Profile to determine what modality the student will use in daily tasks.
* You can also use the Activity Planning Form for more detailed guidance for your team.

# Need Help with CVI Range?

* Contact your Regional Education Service Center.
* Use [TSBVI Website](https://www.tsbvi.edu/) for help from Outreach. Specify CVI Range Collaboration when filling out the Training Request.
* Contact Lynne or Sara if you have questions.
* [kitchens@tsbvi.edu](http://kitchens@tsbvi.edu)
* [mcalisterl@tsbvi.edu](mailto:mcalisterl@tsbvi.edu)

# Resources:

* [Pediatric Cortical Visual Impairment Society](https://pcvis.vision/): Links for parents, educators, and medical professionals
* [Texas Educational Service Centers](https://tea.texas.gov/about-tea/other-services/education-service-centers/education-service-centers-map). Each of the 20 Regions in Texas has an Educational Service Center that supports that Region. Each Service Center has a lead Teacher of Students with Visual Impairments that can help support families and educators of children with CVI.
* Christine Roman: [CVI Resources](https://cviresources.com/). Christine is a leader in the field and has many resources on her page. She also has a [YouTube channe](https://www.youtube.com/c/RomanonCVI/videos)l that has several informative videos.
* CVI Scotland: [Lessons.](https://cviscotland.org/lessons.php) Very user-friendly and short basic lessons about vision and CVI.
* [Perkins CVI Now](https://www.perkins.org/cvi-now/). The Perkins School for the Blind offers resources and online education about CVI.
* [Start Seeing CVI](https://startseeingcvi.com/). A parent-run website supporting parents of children with CVI.
* Encouraging Efficient Use of Vision in Students with CVI by Diane Sheline at [Strategy to See](http://www.strategytosee.com/)
* American Printing House for the Blind: [CVI Page](https://cvi.aphtech.org/). This site contains many CVI resources.
* Texas School for the Blind and Visually Impaired: [CVI Scenarios, Phase I, Phase II, Phase III](https://www.tsbvi.edu/statewide-resources/professional-development/online-learning?pa=2). These are case studies of completing the CVI Range Assessment for three students with different visual capabilities. These webinars are free.
* Jeanne Gardier: [Strategies for Working with Children with Cortical Visual Impairment](http://mtdeafblind.ruralinstitute.umt.edu/www/wp-content/uploads/strategiescorticalvisualimpairment.pdf)
* Scottish Sensory Centre: [Devising Strategies to Optimize Home and School Life for Children with Visual Impairment Due to Damage to the Brain](http://www.ssc.education.ed.ac.uk/courses/vi&multi/vjan08ii.html)
* Alan Weinstein [Idaho Project for Children and Youth with Deaf-Blindness CVI Fact Sheet](https://idahocdhd.org/Portals/71/Documents/FactSheets/About/cydb-cortical-visual-impairment.pdf)
* MaryAnn Demchak, Charmaine Rickard, and Marty Elquist [Tips for Home or School. Cortical Visual Impairment](https://www.unr.edu/ndsip/english/resources/tips/cortical-visual-impairment). Nevada Dual Sensory Impairment Project.
* [Perkins AAC](https://www.perkins.org/course/cvi-and-aac/)
* [CVI Range Data Collection Form](https://docs.google.com/document/d/1BetYqzJOcnQAmnrh0d5bkot1A3Rgxm9tQvfOXoInPCA/edit)

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# Thank you for joining us!

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Figure 7: TSBVI logo

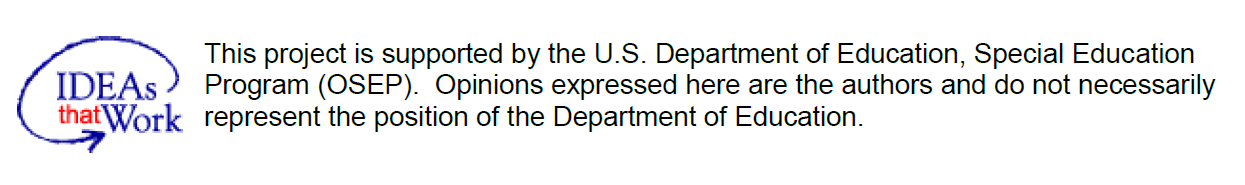


Figure 8: IDEAs that Work logo and OSEP disclaimer.