

# ASR INSTRUCTIONAL STRATEGIES

Perkins eLearning Webinar

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# ASR INSTRUCTIONAL STRATEGIES

## Phase One: Start with high interest materials

- Locate or record 3-5 minute selections
- High interest topics
  - “Read Along” books for younger students
  - Use tone indexing or bookmarking between stories
- Prepare simple questions in accessible format
  - Who, What, When, Where
  - Sequential order
- One question per paragraph

# ASR INSTRUCTIONAL STRATEGIES

## Continue high interest materials (3-5 min)

- Familiarize student with playback device/text reading software/ screen reading software
  - Start/Play/Read, Pause/Stop, Increase/Decrease Speed, Change Voice, Navigation controls
  - Student reads questions before listening
    - or Teacher reads questions to student, or
    - Text reader reads questions, or
    - Screen reader reads questions
- Briefly discuss questions with student
- Student re-reads first question

# ASR INSTRUCTIONAL STRATEGIES

## Continue high interest materials (3-5 min)

- Tell student he/she can
  - Stop at any time
  - Review question
- Tell student to
  - Start listening
  - Stop when he/she hears answer to question
- Teacher listens along with student

# ASR INSTRUCTIONAL STRATEGIES

## Continue high interest materials (3-5 min)

- Student provides answer when he/she hears it
  - Verbal, print, braille
  - Type on computer, accessible PDA, etc.
  - Record on tape, digital recorder
- If student does not provide answer
  - Stop playback
  - Ask leading questions
  - Guide student to the answer

# ASR INSTRUCTIONAL STRATEGIES

## Continue high interest materials (3-5 min)

- After answering first question
  - Student reads next question
  - Student continues listening to recording/text reader/screen reader
- Repeat these steps
- Finish listening to text
- Ask student to re-tell story in his/her own words

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Prepare additional selections
  - Student's preferred reading medium
    - Braille, large print, regular print with optical device, text reader, screen reader, digital audio, etc.
- Repeat steps above
- Continue using different selections
- Student consistently achieves > 80% accuracy

# ASR INSTRUCTIONAL STRATEGIES

## Continue high interest materials (3-5 min)

- Begin using one question for every two paragraphs
  - Student learns to listen for longer time before hearing answer
- Begin providing questions out of sequence
- Return to one question per paragraph
  - Sample order:
    - Paragraph 2, 1, 3, 5, 4, 6, etc.

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Ask student about the kinds of questions that are being asked
- Guide student's understanding
  - Questions are asking:
    - Who
    - What
    - When
    - Where

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Record/locate longer passages and stories
- Use short articles from magazines
- Return to sequential questions
- One question for every two paragraphs
- Have student read question before listening
- Remind student about pausing to re-read questions

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Start introducing some How and Why questions
- Reintroduce non-sequential questions
- Continue until > 80% accuracy

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Move on to short chapters in books
- With each phase, return to
  - Sequential questions
  - One question per paragraph
  - Expand to one question per 2-3 paragraphs
  - Bring in non-sequential questions
- Continue to > 80% accuracy

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Next:
  - Do not provide questions before reading
  - Ask student to stop after x number of paragraphs
  - Ask two or three simple sequential questions about content just heard
  - Once student demonstrates proficiency, start asking non-sequential questions

# ASR INSTRUCTIONAL STRATEGIES

Continue high interest materials (3-5 min)

- Next:
  - Ask student to read a selection at home
  - Discuss the content with the student
  - Do not make it a quiz. Just a discussion.
- Objective:
  - Provide experiences that allow students to realize that accessing information through the use of ASR can be a fun way to learn about things

# ASR INSTRUCTIONAL STRATEGIES

Phase Two: Introduce reading selections that are less than high interest

- Consult reading/learning disabilities specialists/consultants
- Locate text selections with prepared questions
- Look for materials that have been recorded or can be used with text reading or screen reading software (e.g., Bookshare, Learning Ally)

# ASR INSTRUCTIONAL STRATEGIES

Continue reading selections less than high interest

- Student listens to audio
  - Follows in braille, large print, print with magnification, text reading software
- Use steps in Phase One
- Continue until student consistently achieves > 80% accuracy

# ASR INSTRUCTIONAL STRATEGIES

## Phase 3: Introduce Schoolwork & Textbooks

- Record or acquire recordings
  - Social studies or literature textbooks
- Begin with last week's chapter
- Ensure success on first experience
- Use same strategies as with high interest materials

# ASR INSTRUCTIONAL STRATEGIES

## Continue Schoolwork & Textbooks

- Create outline of chapter
  - Headings
  - Sub-headings
  - Blanks for answers to questions
- One to two questions per sub-section of chapter
- Student inserts text in appropriate places
- Student adds additional information he/she thinks is important

# ASR INSTRUCTIONAL STRATEGIES

## References

Presley, I. (2015). *Audio Supported Reading (ASR)* [PowerPoint slides]. Retrieved February 1, 2016, from <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&cad=rja&uact=8&ved=0ahUKEwilyObUiNXLAhWqtoMKHQldDSIQFggqMAI&url=http%3A%2F%2Fsdsbvi.northern.edu%2Fdocuments%2FTraining%2FAER%2520Conf%2FHandouts%2FAudio-Supported-Reading-ASR.pptx&usg=AFQjCNFilbyiIEeT5clLLj5nfjgWOJCuSg&sig2=Yb9ciELSmDP6y7GZWHDJlw>

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