The SETT Framework:
Straight from the Horse’s Mouth

Joy Zabala, Ed.D., ATP
Director of Technical Assistance
CAST and the AIM Center
http://aim.cast.com
http://www.joyzabala.com
jzabala@cast.org

This slide set contains the “bones” of this presentation. It is likely that some slides will be different when the actual presentation takes place.

The slides used in the presentation will be made available to all following the presentation.

Big Ideas in this Session

• The SETT Framework: Myths and Realities
• The SETT Framework and Assistive Technology Decision-making
• The SETT Framework and Universal Design for Learning (UDL)
• The SETT Framework and Accessible Instructional Materials

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
The SETT Framework

- **S**tudent
- **E**nvironments
- **T**asks
- **T**ools

The Vision

Students with diverse abilities, needs, and experiences in various educational environments use a plethora of tools: 1) to accomplish tasks that lead to educational achievement and, 2) as a means to demonstrate achievement!

MYTH 1

SETT is an school-based assistive technology assessment protocol.

Zabala, J.S. (2012). *The SETT Framework: Straight from the Horse’s Mouth.* Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
REALITY
The SETT Framework
...a flexible tool that makes concerns-identification and solution-seeking processes accessible to all and is useful in all phases decision-making and service delivery.

The Student / Self
- The person who is the central focus of the process.
- The person for whom everyone involved in any part of the program is an advocate.

Environments
The customary environments in which the person is (or can be) expected to live, learn and grow.
Tasks

The specific things that the person needs or wants to be able to do to reach expectations

The Tools

• Everything that is needed by the person and others for the person to accomplish the tasks in the places where they need to be done so that progress is achieved

MYTH 2

It is important that the SETT Framework be explored in order...first student, then environments, then tasks and finally, tools.

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
REALITY

It is almost impossible to talk about one without mentioning the others.

The SETT Framework

- Student
- Environments
- Tasks
- Tools

Decision-Making Sequence

Develop shared understanding of the Student, learning Environments, and expected Tasks BEFORE Tools are considered or selected.

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
MYTH 3
The SETT Framework is primarily for selecting AT devices

REALITY
The goal of the SETT Framework is to help collaborative teams create student-centered, environmentally-useful, and tasks-focused tool systems that foster participation and achievement

MYTH 4
SETT is a process.

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
REALITY

The SETT Framework requires a process, but does not dictate a particular process.

8-Step Decision-Making Process

1. Identify areas of concern
2. Gather information on aspects related to concerns
3. Analyze information
4. Generate prioritize and potential solutions
5. Develop a plan
6. Work the plan and collect data on effectiveness
7. Revise the plan as indicated by data
8. Document

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
MYTH 4
It takes a lot of time to use the SETT Framework.

REALITY
It only takes as long as it needs to take to understand and address the needs of the student.

REALITY
If the student’s needs are complex it may take a good bit of time. If not, it could be only moments.
Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
Revisiting the SETT Framework?
When? Why? By Whom?

“Give me six good reasons!”

Edna M. Smiley
“My Mom”

Six Good Reasons to Revisit the SETT Framework

1. What was “known” may have changed.
2. New people may be involved.
3. New questions and/or information may have emerged.
4. More specifics may be available.
5. Implementation plans need to be student-centered AND environmentally “friendly”
6. “Other-imposed” plans are rarely successful

Remember Two Things!

A SETT Framework is ON-GOING!
Re-SETTing is not starting over…
It is a matter of keeping decision-guiding information accurate, up to date, and clearly inclusive of the shared knowledge of all involved!

Implementation Tip: Save As!
The SETT Framework and Assistive Technology

Assistive Technology
- Includes a broad range of possible devices and services
- Enhances capabilities and the lowers barriers to achievement
- Is related to function, rather than to a specific disability category
- May be applicable to all disability groups and in all phases of education, rehabilitation, and life
- Must be person-centered, task-focused and environmentally useful to be effective

Student (Self)
- What is the functional area(s) of concern?
- What does the student need to be able to do that is difficult or impossible to do independently at this time?
- Special needs (related to area of concern)
- Strengths and abilities (related to area of concern)
- Present levels of achievement
- Expectations (student’s)
- Evaluation information

Zabala, J.S. (2012). *The SETT Framework: Straight from the Horse’s Mouth*. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
Environments

Conditions within customary environments
- Supports
- Barriers
- Arrangement (instructional, physical)
- Support (available to both the student and the staff)
- Materials and Equipment (commonly used by others in the environments)
- Access Issues (technological, physical, instructional)
- Attitudes and Expectations (staff, family, other)

Tasks

- The specific things that the student needs to be able to do to reach expectations and make progress
- The functional things that are a part of being actively involved in learning environments
  - Communication
  - Instruction
  - Participation
  - Productivity
  - Environmental Control

Tools

Whatever is needed by the student and others for the student to do the tasks in the environments in order to meet expectations

For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
Tools for the Student /Self

• Whatever is needed to enable the student to do (or learn to do) the tasks that lead to high levels of participation and achievement
  • Accommodations
  • Modifications
  • Technology
  • Diversified support or instructional strategies
  • Accessible Materials
  • Supports and Services
  • Training
  • Documentation
  • Etc.

Tools for Others

• Whatever is needed by others for the person to do the tasks in the environments in order to meet expectations
  • Support for Family and Staff
  • Training and support on:
    • Decision-making
    • Diversified strategies
    • Accommodations and Modifications
    • Device integration and operation
    • Environmental management
    • Service delivery
    • Etc.

The SETT Framework and Universal Design for Learning

Zabala, J.S. (2012). *The SETT Framework: Straight from the Horse’s Mouth*. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
UDL looks to make the learning environment as flexible and accommodating as possible.

Universal Design for Learning

• Is a framework for ensuring access, participation and progress in the general education curriculum
• Assumes and plans for diverse student strengths and needs
• Places emphasis on using digital technology and other strategies and materials to support diverse learners
• Is not limited to high tech environments

Purpose of UDL

UDL selects and uses goals, methods, assessment and materials in a way that minimizes barriers and maximizes flexibility so that curricula fully support every student’s access, participation, and progress in essential facets of learning.

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
Three Principles of UDL

- **Multiple means of representation:**
  - Provides learners with various ways of acquiring information and knowledge
- **Multiple means of expression:**
  - Provides learners with alternatives for demonstrating what they know
- **Multiple means of engagement:**
  - Taps into learners’ interests, challenges them appropriately, and motivates them to learn

Four Curricular Pillars of UDL

Think about the SETT Framework Connection
Using the SETT Framework to Create UDL Environments

The SETT Framework: Student, Environment, Tasks, & Tools

The Students
- Who are the students? What diverse strengths and challenges do they bring to learning?

The Environments
- In which environments will they learn and grow?

The Tasks
- The specific tasks will the students need to be able to do or learn to do to reach expectations and make educational progress

Tools
- What needs to be added or changed to transform the environments into places where every student is engaged and actively participative in activities that lead to educational achievement?

The SETT Framework and Accessible Instructional Materials

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
Provisions within the Individuals with Disabilities Education Improvement Act of 2004 require state and local education agencies to ensure that textbooks and related core instructional materials are provided to students with print disabilities in specialized formats in a timely manner.

Section 300.172, Final Regulations of IDEA 2004

If all students are:
- expected to participate and progress in the general education curriculum
- are held accountable for high achievement
they need access to the information contained in the print-based instructional materials in formats from which they can gain meaning.

Good Common Sense

- Braille (Some states include other Braille-related formats in this definition)
- Audio
- Digital text
- Large print
Think about the SETT Framework Connection

Key Questions: Specialized Formats

• Can this STUDENT use those materials? Are specialized formats needed?
• What printed textbooks and related core materials are used in the students ENVIRONMENTS (core classes)?
• For which TASKS will the student require materials in which specialize format?
• What TOOLS will the student and others need? Formats? Teaching? Technology? Training? Accommodations? Modifications?

In Summary…
Critical Elements of the SETT Framework

• Shared Knowledge
• Collaboration
• Multiple Perspectives
• Communication
• Pertinent information
• Flexibility
• On-going Processes

Zabala, J.S. (2012). The SETT Framework: Straight from the Horse’s Mouth. Presented at the Spectronics Inclusive Learning Technologies Conference 2012. Australia. For permission to use, send request via email to jzabala@cast.org or joy@joyzabala.com
Questions?

WITHIN THE NEXT FEW DAYS…
PDF of presentation available for download at http://www.joyzabala.com