

SREB

# **Empowering Generations: Addressing Diverse Literacy Needs Across Lifespans**

Longitudinal Literacy Priority

# Literacy: Let's Define it

- Comprehend
- Process
- Apply



# What content? What level?

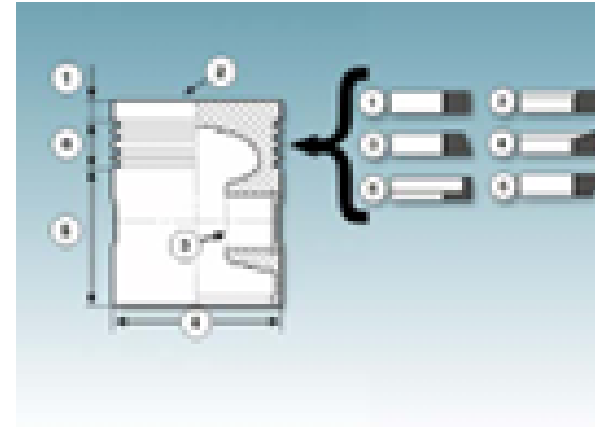
Okay, let's look at an example of this. Suppose your Welding Procedure gives you a range of 230 - 280 WFS/IPM. You can use this range for Dual Shield welding, in case your Welding Procedure gives only volts and amps and not the wire feed speed (WFS). For now, regardless of which machine you have been using, even if they are relatively new machines with probably close-to-accurate digital readouts (but not always) of WFS/IPM . . .you still need to follow the procedure and check.

# What content? What level?

If a chemical change is carried out at constant pressure and the only work done is caused by expansion or contraction,  $q$  for the change is called the enthalpy change with the symbol  $\Delta H$ . Examples of enthalpy changes include enthalpy of combustion, enthalpy of fusion, enthalpy of vaporization, and standard enthalpy of formation. If the enthalpies of formation are available for the reactants and products of a reaction, the enthalpy change can be calculated using Hess's law.

# What content? What level?

**Compression Rings** Compression rings are manufactured from cast iron, with a surface coating to promote fast bedding in. This means that the rings quickly wear in to give a gas tight seal against the cylinder pressures. It is important not to damage this coating during fitting, note that rings have different cross-sections according to their mounting position on the piston.



# Literacy: Let's Define it

- Choose a text out of the table folder.
- Read and Reflect on the literacy skills needed to Comprehend, Process and Apply.
- Discuss with your table.

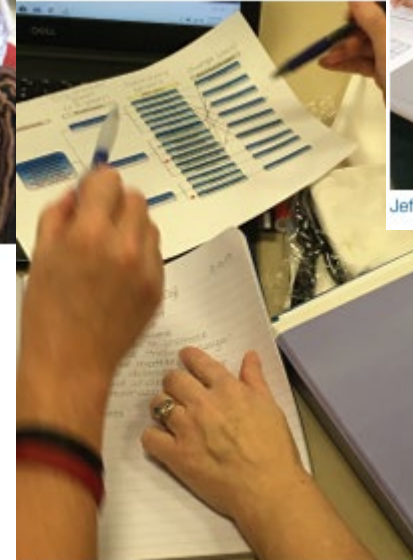


# Literacy is a Lifelong, Multigenerational, Critical Skill

- Comprehend
- Process
- Apply



Jefferson County math teachers collaborate on their PDTA cycles.



Jefferson County teachers identify change ideas to use in their PDTA cycles.



Jefferson County teacher Ashley Lambert works with students.

# National Center for Family Learning

**Dr. Felicia Cumings Smith**



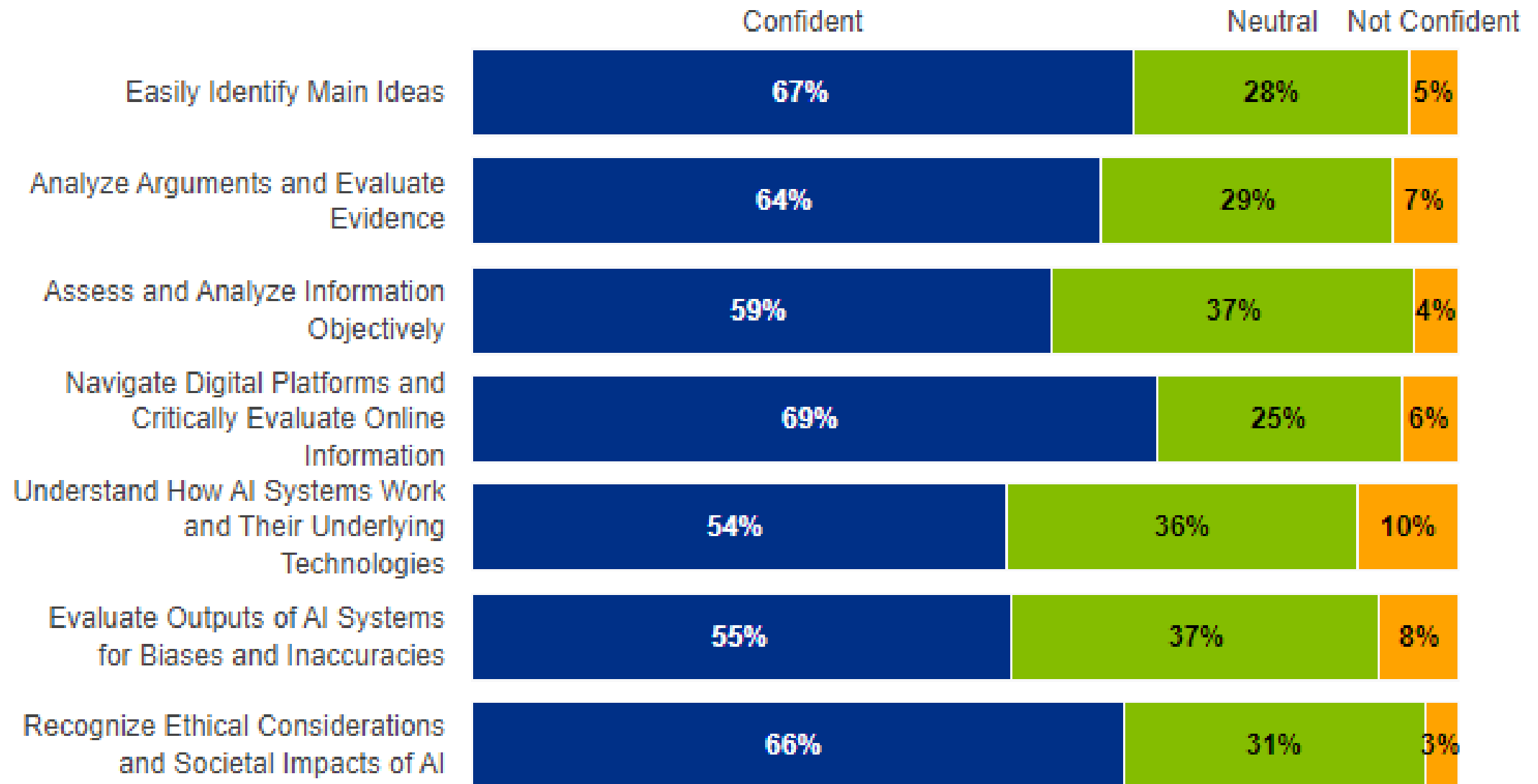
National Center for Family Learning Website



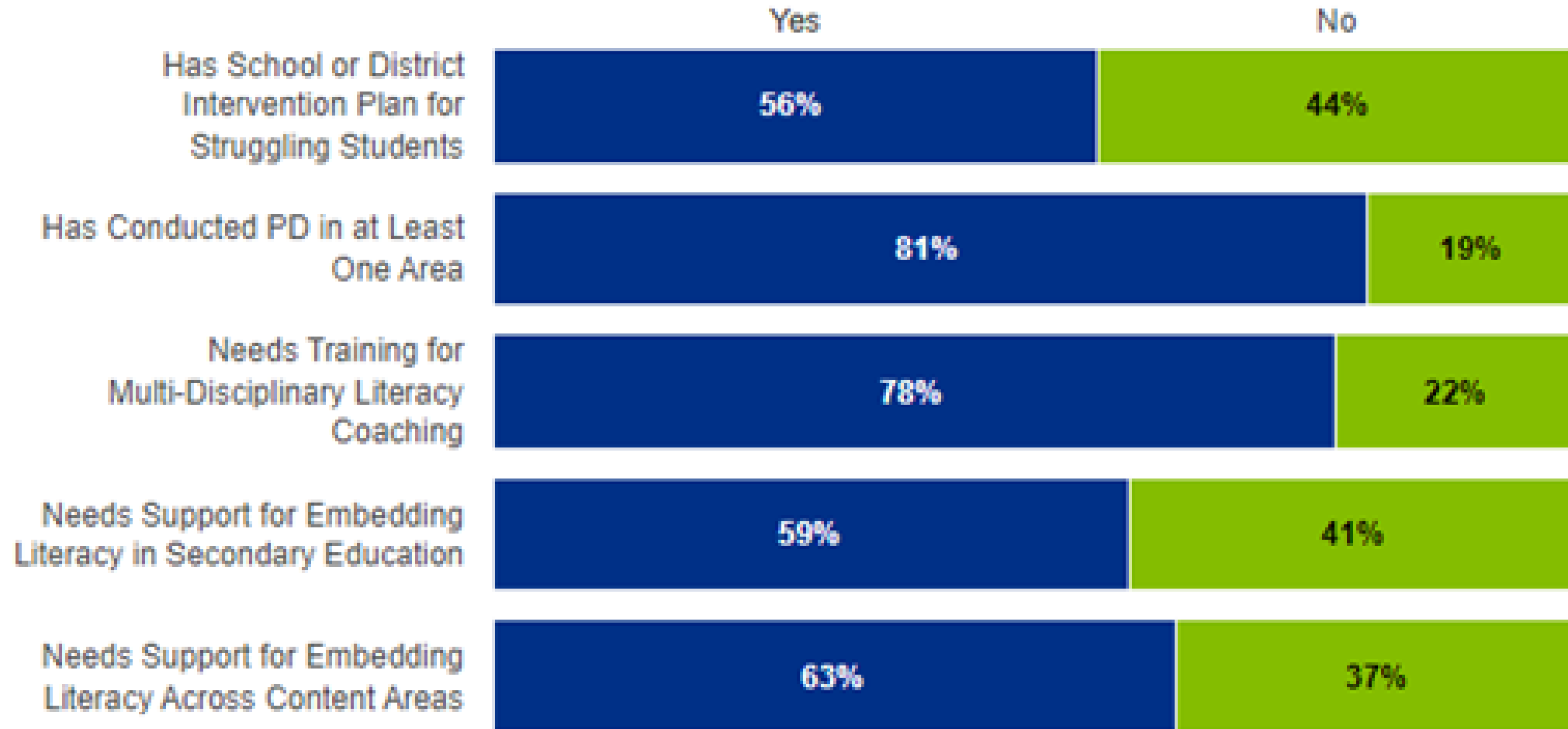
# Current SREB Data: Critical Literacy Skills Confidence and Needs

- **Student Confidence:** High school graduates' belief in their critical literacy skills.
- **Coach Effectiveness:** Literacy coaches' readiness to address student needs.
- **Business Expectations:** Literacy requirements identified by industry leaders.

## Student Confidence in Critical Literacy Skills



## Educator Survey of Critical Literacy Supports and Needs



# Business Expectations: Key Insights

**Industry Knowledge Findings:** Proficiency needed in automotive technology, healthcare, and welding.

**Implications:** Include specialized courses and hands-on experience.

**Technical Skills Findings:** Robotics, cybersecurity, and computer diagnostics are crucial.

**Implications:** Integrate advanced technical training in curricula.

**Durable Skills Findings:** Communication, professionalism, teamwork, and critical thinking are vital.

**Implications:** Embed durable skills training in technical programs.

# Empowering Future Workforce Success

## **Critical Role of SREB:**

- Support high school seniors for successful workforce transition.

## **Key Highlights:**

- Align educational programs with industry needs.
- Support educators to boost student confidence.
- Emphasize AI-related skills and other advanced competencies.

## **Forward-Thinking Approach:**

- Ensure graduates are ready for today's job market.
- Equip students to lead in future innovations.

# Is Your State on Track?

Longitudinal Literacy: Is Your State On Track?

Literacy Across Lifespan	What does my state have in place?	What gaps are evident?	What do we need to know more about?
<b>Infancy to Preschool Literacy Needs:</b> Focus on early language exposure, reading, interactive learning, and community support.  One example: Designing community-based programs for early literacy engagement.			
<b>School Age to Adolescence Literacy Development:</b> Emphasize reading, writing, critical thinking, and digital literacy.  One example: Integrating technology and media literacy into school curricula.  What does our state have in place?			
<b>Adult and Workforce Literacy Enhancement:</b> Address adult education, digital and data literacy, and continuous learning.  One example: Creating workplace learning and development programs.			

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- School Age to Adolescence Literacy Development:**
  - Emphasize reading, writing, critical thinking, and digital literacy.
- Adult and Workforce Literacy Enhancement:**
  - Address adult education, digital and data literacy, and continuous learning.

## Table Activity

Use the Graphic Organizer on your table to record your thoughts.

# Questions

