Presentation Tips for Reaching Diverse Audiences

Welcome to today's Brown Bag! Please use the chat box to introduce yourself and answer our icebreaker:

What's one challenge that you have experienced when serving diverse audiences with language barriers?

Introductions

Presenters:

Tim Hecox
Exhibit & Program Developer
Oregon Museum of Science & Industry

Kari Jensen
Senior Exhibit Developer
Oregon Museum of Science & Industry

Renee Guerrero
Education Director
WOW! Children's Museum

Verónika Núñez
Bilingual Exhibit Developer
Oregon Museum of Science & Industry

Today's Conversation

Sheltered instruction helps English-speaking facilitators to reach participants who don't speak English, as well as those who have other language barriers such as hearing impairments or development disorders. This overview will outline when to use sheltered instruction, cover a few of the basic strategies and how the audience benefits from them, and share resources to find out more.

Our Agenda for Today

Review NISE Net support for diverse audiences (Kari)

What is sheltered instruction? (Renee)

- Consider what you say and how you say it
- Make it multi-sensory
- Narrow the focus

Find more resources

Bilingual programming (Verónika)

Nano and Diverse Audiences

Why nano?

- Nano is revolutionizing every part of our lives, but the risks/advantages are not well understood.

- NISE Net seeks to address the information gap and inspire future STEM leaders.

More info: nisenet.org/inclusive_audiences

Inclusive Audiences - Bilingual Audience Workshop

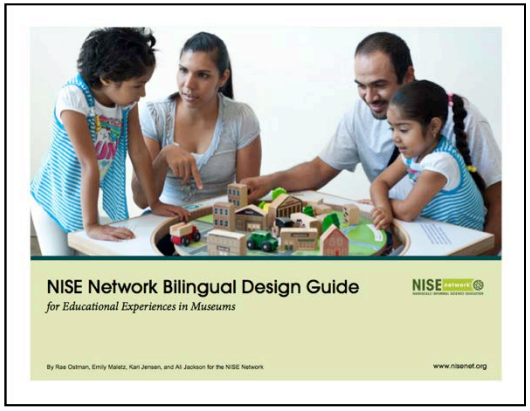
Workshop held in June 2013 in Houston

- Explored importance of engaging bilingual audiences in nanoscale science, engineering and technology

- Strategies to better engage Spanish speakers by building capacity, using techniques like:
  - sheltered instruction
  - team-based inquiry
  - marketing strategies

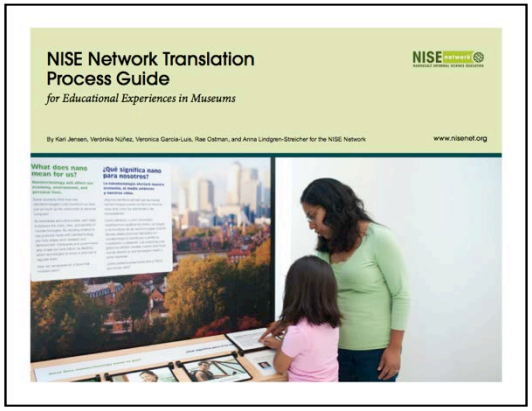
More info:
nisenet.org/catalog/spanish
nisenet.org/catalog/tools_guides/bilingual_audience_workshop_resources

Inclusive Audiences - Bilingual Audience Tools



Bilingual Design Guide

Spanish Language Translations for many educational materials



Translation Process Guide

Bilingual Audience Workshop Resources

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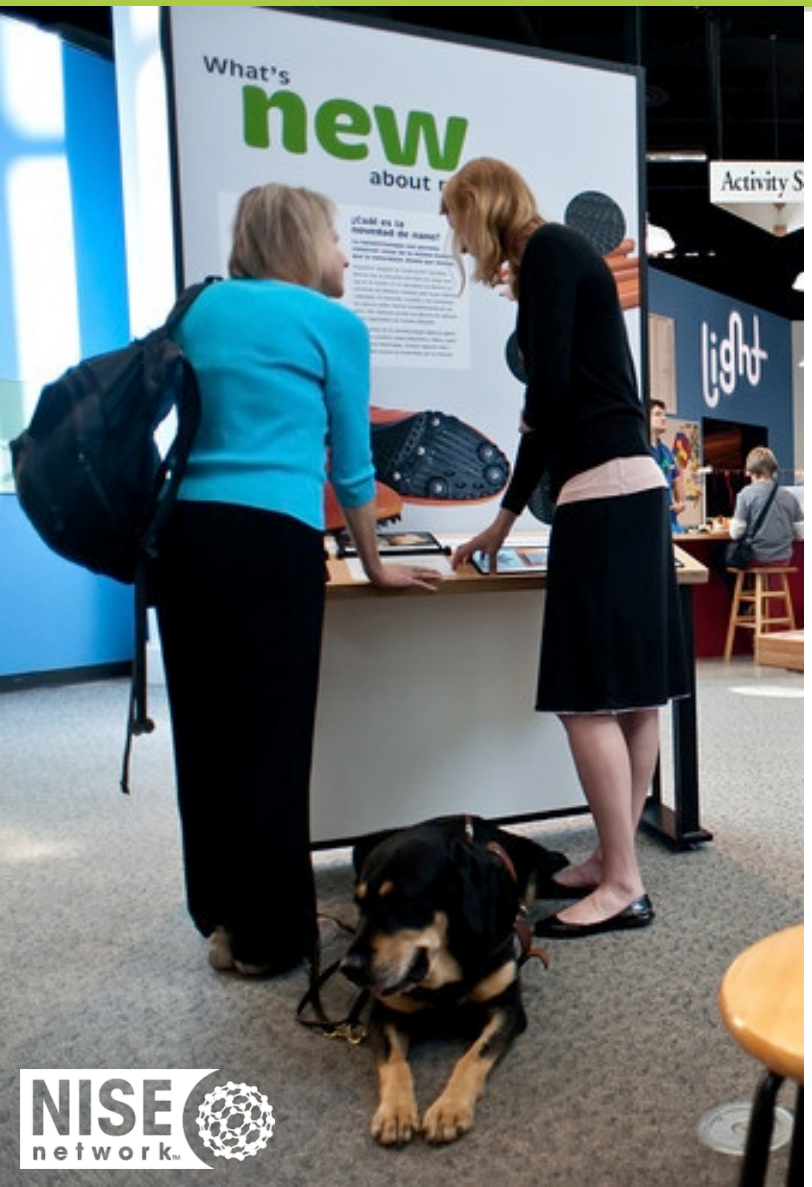
Inclusive Audiences: Universal Design Workshop



What is Universal Design?

The design of products and environments to be usable **by all people**, to the greatest extent possible, **without the need for adaptation** or specialized design.

More info: nisenet.org/inclusive_audiences

Inclusive Audiences: Universal Design Tools

Universal Design Guidelines
for programs

Universal Design Workshop Resources

Universal Design Guidelines
for exhibits

More info: nisenet.org/inclusive_audiences

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- Associated with classroom teachers working with linguistically diverse students, helping them to acquire English proficiency while also learning other subject matter such as math or history.
- A set of strategies that English-speaking facilitators can use to reach participants who don't speak English, as well as those who have other language barriers such as hearing impairments or development disorders.

Water and Weather

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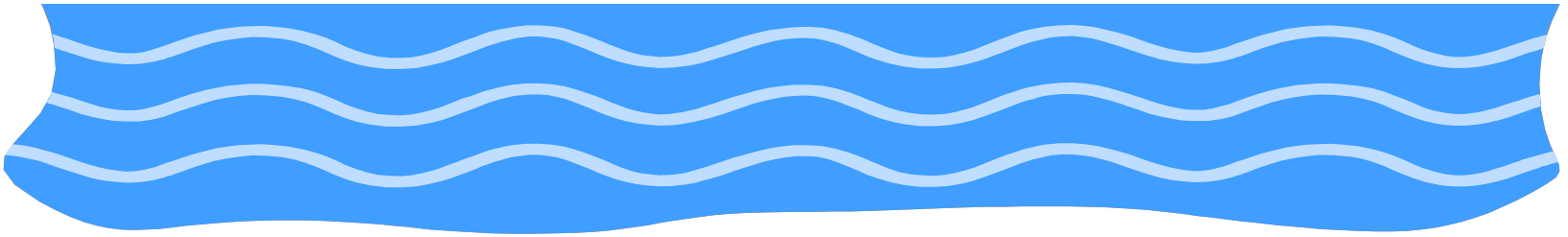
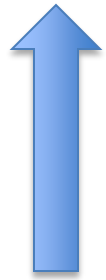
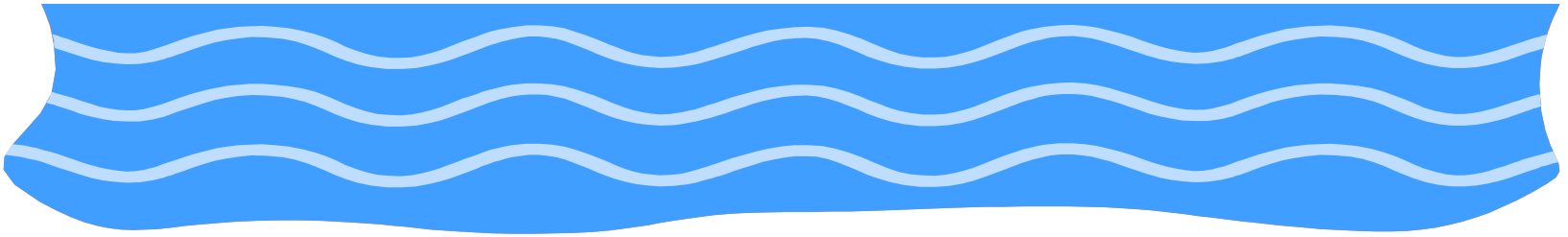


Water and Weather

evaporation





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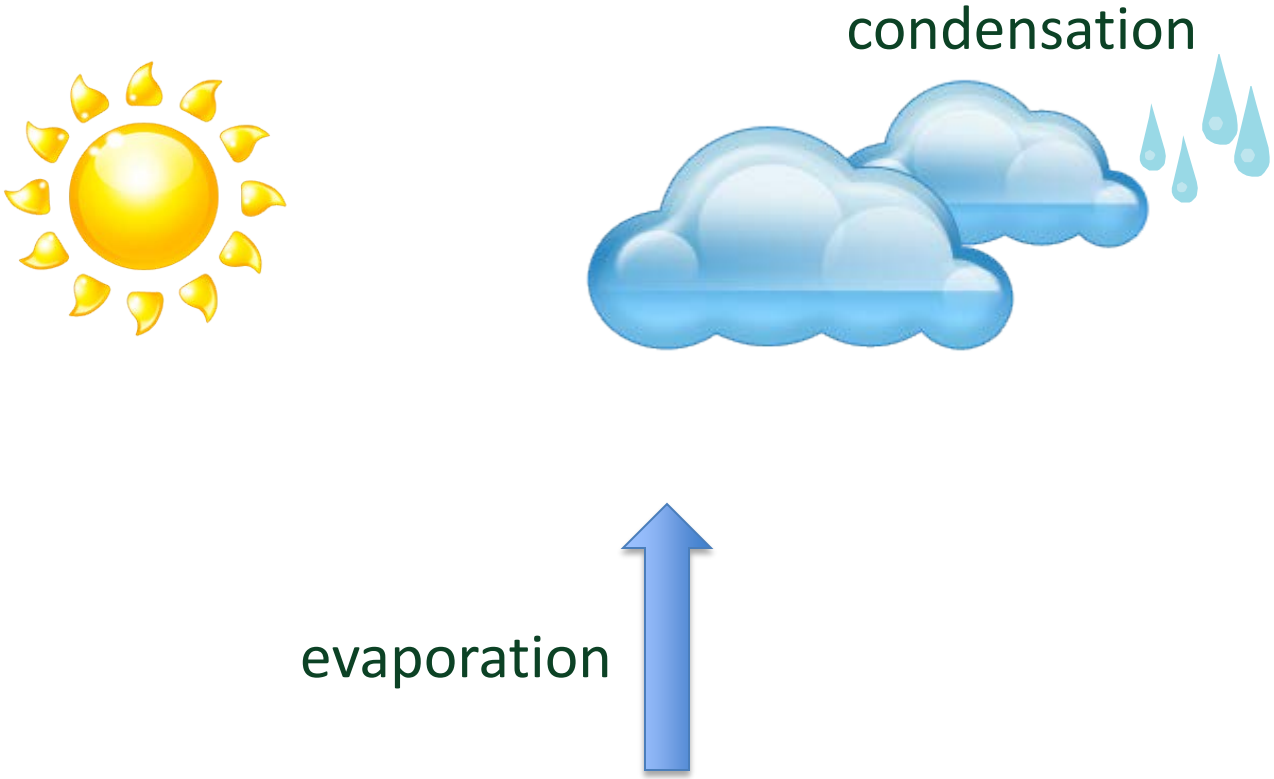

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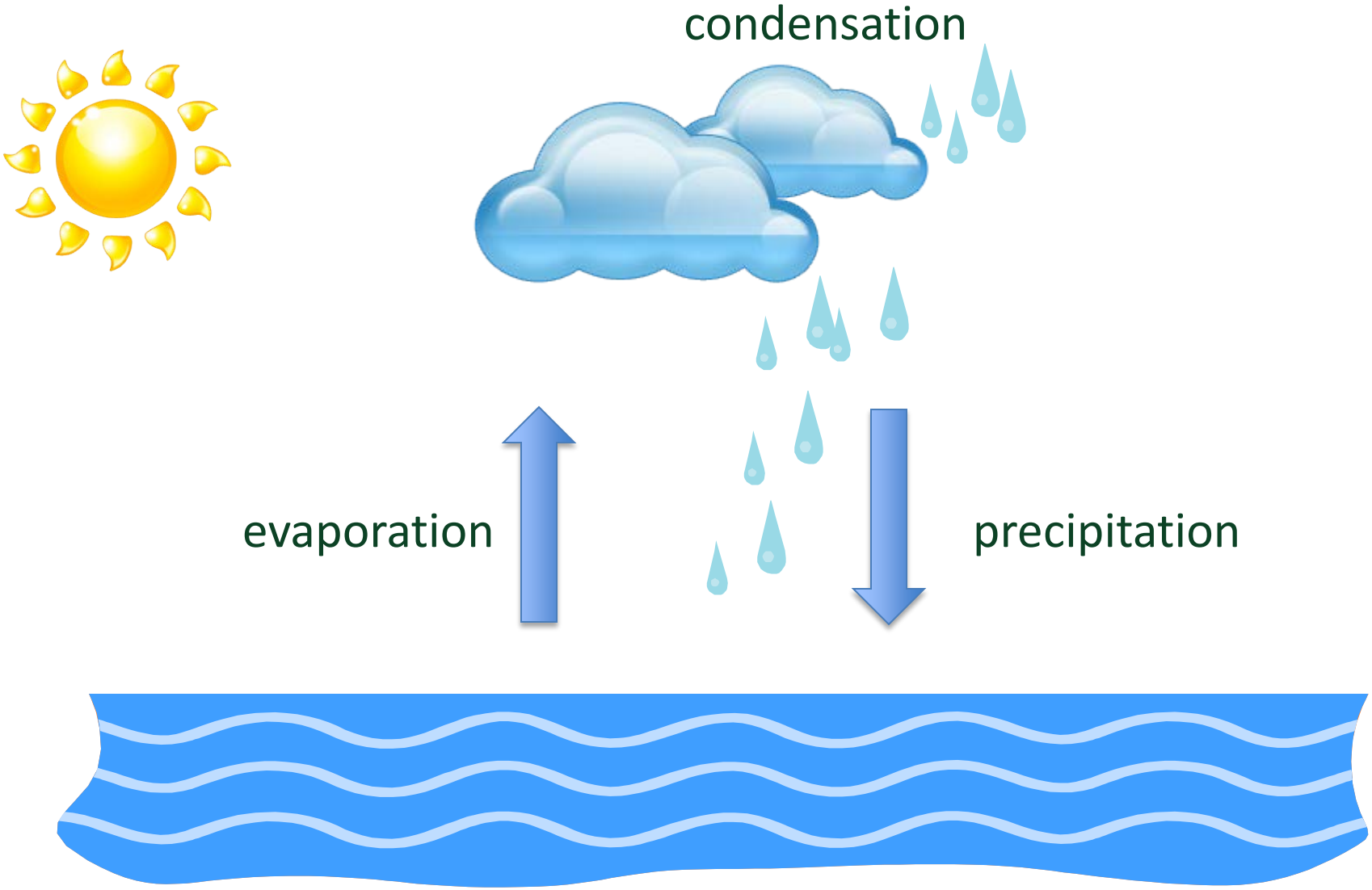

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L M N O LMNO

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L M N O LMNO

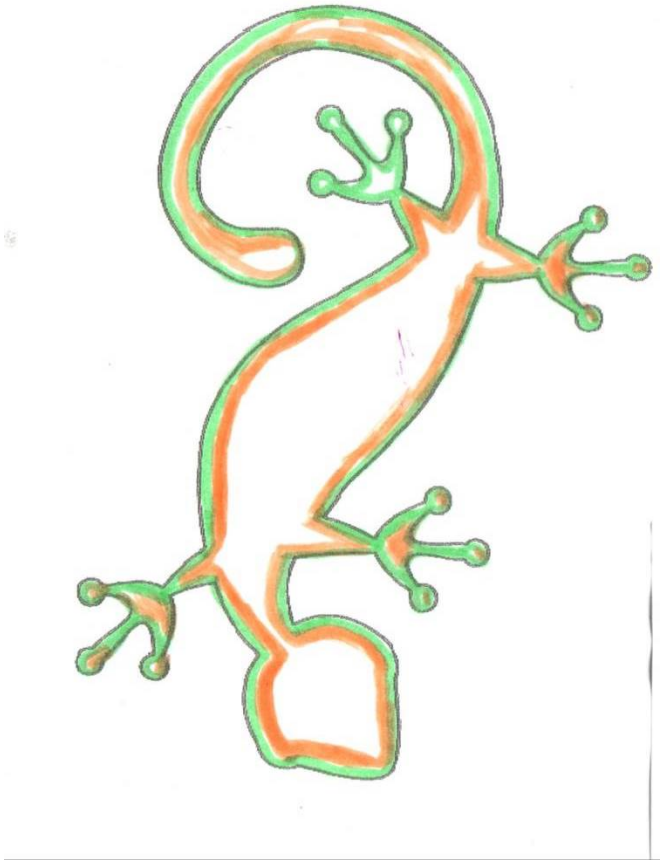
- Use correct English with simple, complete sentences.

got milk?®

What would you like to ask or share?

Please use the chat box to:

- Ask questions about using English in this way.
- Share examples of how you've used language to help Spanish speakers or other audiences.



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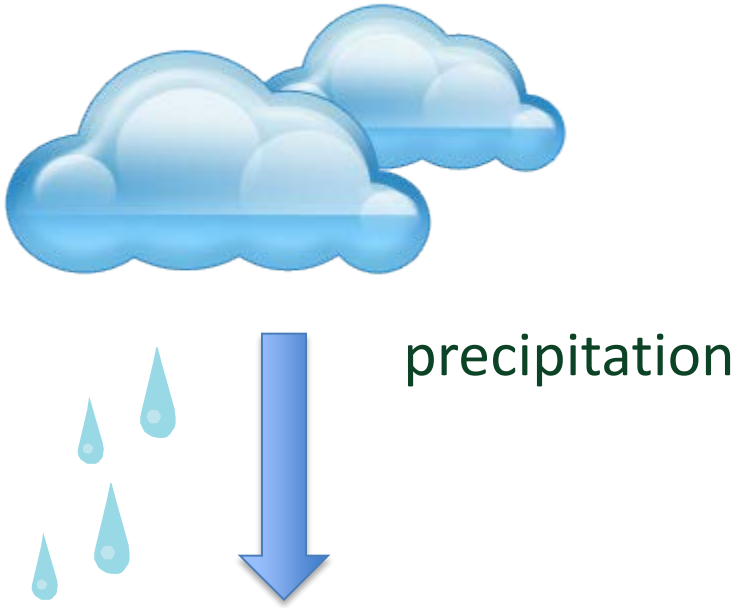

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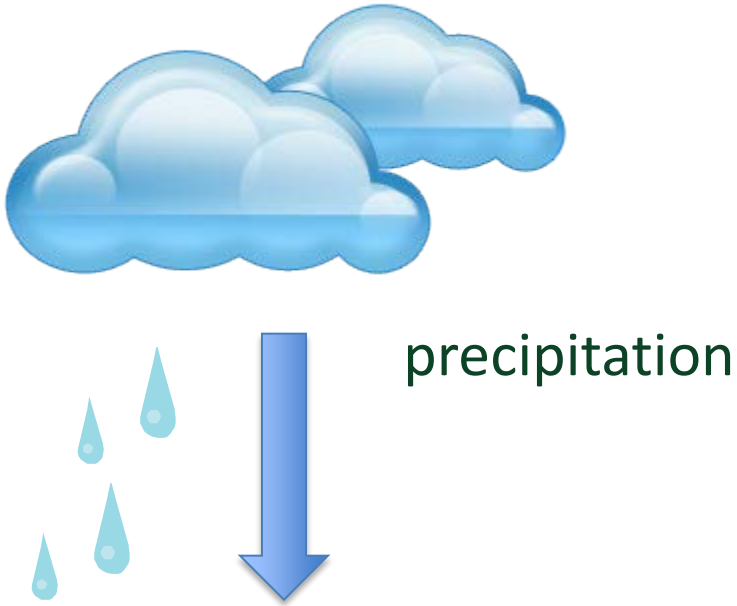

- Include manipulatives and motion.

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- Reduce background noise.

Narrow the focus.

- Reveal objects, people, and vocabulary as they become relevant.
- Reduce background noise.
- Clear the visual clutter.

What would you like to ask or share?

Please use the chat box to:

- Ask questions about focus and multi-sensory input.
- Share examples of what you've done in these areas.

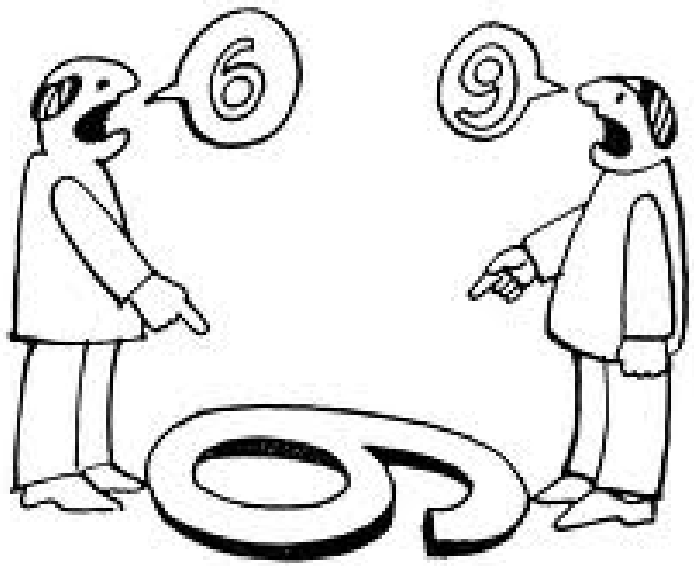
Is the barrier vocabulary or knowledge?

Know your audience

Choose topics that you feel super excited about

Excitement is contagious

Observe to gain perspective



Be open to discovery

Read body language

Offer leadership

For More Resources...

Please visit nisenet.org to find a recording of this session and a list of resources on sheltered instruction, bilingual audiences, and universal design.

Renee Guerrero
renee@wowchildrensmuseum.org

Upcoming Brown Bag Session

The Science Behind NanoDays 2014 - Part 2
March 18th, 2014
10 - 11 am PST / 1 - 2 pm EST

NISE network™ NANOSCALE INFORMAL SCIENCE EDUCATION

NSF

WOW! WORLD OF WONDER CHILDREN'S MUSEUM

Questions from the Audience

Please either type a question in the chat box or “raise your hand” to ask a question through audio for any of the presenters.

THANK YOU!

To all our partners - we could not do this work without you!

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