

Welcome to CTE Summer Camp!



Teaching and Learning Styles

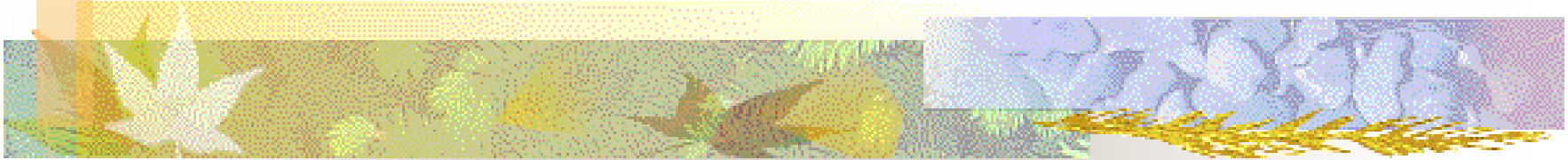
June 1, 2002

Our Supporters



Sponsored by The University of North Carolina Center for Teaching Excellence, the Office of Academic Affairs, the College of Arts and Sciences, the University of North Carolina Teaching and Learning with Technology Collaborative, Mr. Jim Spliedt and Monsanto Corporation.

Thanks to Richard Felder.



http://www.ncsu.edu/effective_teaching/



Today's Schedule:

- **9:00 a.m.** Greetings and Introduction
- **9:30** Take the Index of Learning Styles;
Calculate results.
- **10:15** Break
- **10:30** Analysis/Discussion of Results
- **10:45** How you can use the Index of
Learning Styles



How you can use the Index of Learning Styles

- Learn more about your students
- Help your students to help themselves to learn more effectively
- Revitalize your teaching
- Apply new methods to your fall classes

Active and Reflective Learners



- Learning by doing versus learning by thinking quietly.
- Experimenting versus thinking it through.
- Working in groups versus working alone.
- How long a student can sit still may depend on his or her learning style preference.



Sensing and Intuitive Learners

■ Sensing Learners:

- Like learning facts.
- Are likely to resent being tested on material that has not been explicitly covered in class.
- Prefer solving problems by well-established methods; dislike complications and surprises.
- Patient with details and good at memorizing facts.
- Practical and careful.
- Dislike courses with no apparent connection to the real world.

■ Intuitive Learners:

- Prefer discovering possibilities and relationships.
- Like innovation and dislike repetition.
- Better at grasping new concepts; more comfortable with abstractions and mathematical formulations.
- Work faster and are more innovative.
- Dislike memorization and routine calculations.

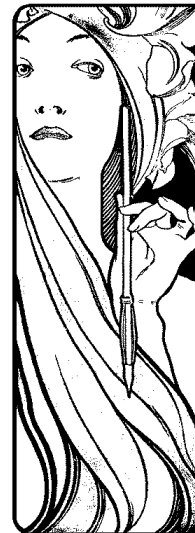
Visual and Verbal Learners

■ Visual Learners:

- Remember best what they see (pictures, diagrams, flow charts, timelines, films, demonstrations).

■ Verbal Learners:

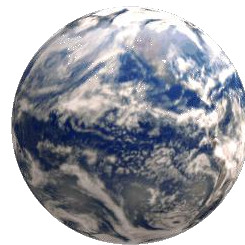
- Get more out of words – written and spoken explanations.



Sequential and Global Learners

■ Sequential Learners:

- Tend to gain an understanding in linear steps, with each step following logically from the previous one.
- Tend to follow logical stepwise paths in finding solutions.



■ Global Learners:

- Tend to learn in large jumps, absorbing material almost randomly without seeing connections and then suddenly “getting it.”
- May be able to solve complex problems quickly or put things together in novel ways once they have grasped the big picture, but may have difficulty explaining how they did it.



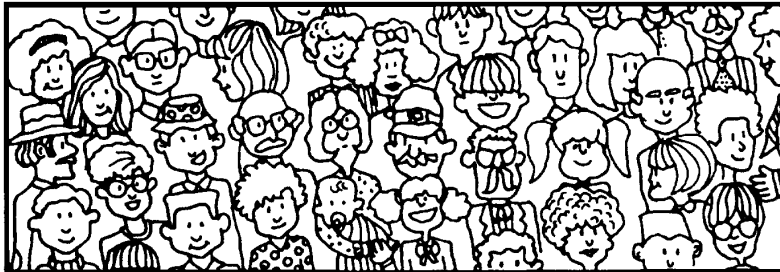
Learning Style Preferences

Active	Reflective
Sensing	Intuitive
Visual	Verbal
Sequential	Global

Coffee Break



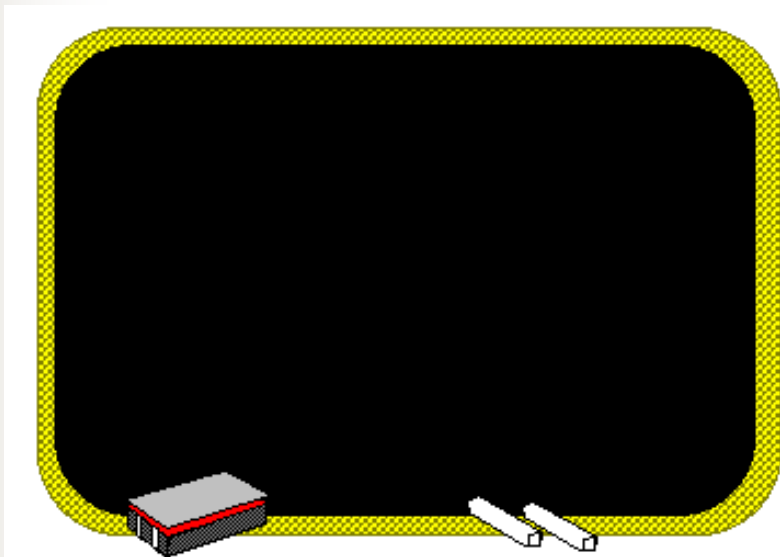
The Learning Style-Teaching Method Matrix



- Instructor tips
- Student tips

Instructor Matrix

- Ideas for teaching lectures, seminars and labs to learners who are:
 - Active
 - Reflective
 - Sensing
 - Intuitive
 - Visual
 - Verbal
 - Sequential
 - Global



Student Matrix

- Ideas for helping student to acquire learning skills useful in lectures, seminars and labs





Thanks for your attention. Please evaluate the effectiveness of this workshop.

