

The Framework

- Components
 - Participants
 - Groups
 - Roles
 - Activities
 - Resources
- Mechanisms
 - Group formation
 - Component distribution
 - Sequencing



WISE: The Components

- Resources & Participants
 - Even number of participants
 - per learner: 1 problem description, 1 description of the two competing hypotheses, 1 copy of the information base containing a reasonable amount of ambiguous evidences; 1 computer; 1 copy of the evidence table (pro/con Theory 1/Theory 2)
 - 1 shared workspace available for all participants
- Groups
 - dyads
- Roles
 - in individual reading phase: analyzer
 - in discussion phase per piece of evidence either/or:
 - Arguer/counter arguer



- Activities:
 - Look for evidence supporting theory 1 or theory 2 in the information base
 - interpreting, judging
 - Classifying (in Table)
 - Comparing
 - Critical evaluation
 - Discussing, writing arguments and counterarguments
 - Explaining
 - Justifying



WISE: Mechanisms

- Group Formation
 - form dyads
- Component Distribution
 - Technical resources and learning material is distributed equally
 - Roles are distributed for each piece of evidence in the merged table:
 - Counterarguer if one didn't mention the piece of evidence or if he classified it differently or if the computer assigns him this role in case of identical classification
 - Arguer if one is the only learner who mentioned the piece of evidence or if his classification is called into question by the other learner



The Mechanisms

- Sequencing
 - within each dyad:
 - Search for evidence individually
 - Classify pieces of evidence individually
 - Submit into the shared workspace
 - Wait until everybody is done
 - Compare and merge tables (automatically?)
 - Discuss each piece of evidence
 - Reach consensus on final version of Table

