



Have you been a member of a team that got the job done (wrote the report, finished the project, completed the assignment) but that ended up with the members hating one another so intensely they never wanted to see each other again?

□What characteristics made the team fail?



- □ Lack of technical skills of some group members
- ☐ Feel insecure about participation
- □ Lack of communication
- □ Absenteeism
- □Not assuming responsibility



- Have you been a member of a team whose members really enjoyed one another's company and had a great time socially but in the end hadn't finished the project?
- ☐ What characteristics made the group fail or what were the reasons for failure taking into account that it was fun.



Have you been a member of a team whose members really enjoyed one another's company and had a great time socially but this time finished the project?

□What characteristics made this team effective and successful?



- ☐ Started in a social activity
- ☐ Contributions from all members
- ☐ Motivation
- ☐ Like the work
- ☐ Go the extra mile
- ☐ Differ in opinions but manage the difference
- ☐ Trust
- □ Dynamism
- ☐ Know the members outside the work place

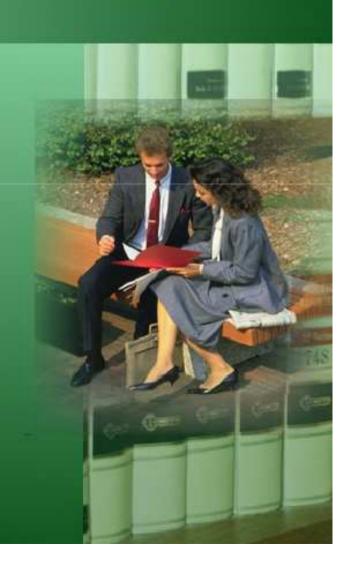
Reflection about effective teams

- ☐ Good participation
- ☐ Common goal
- ☐ Sense of purpose
- ☐ Leadership
- ☐ Members take responsibility
- ☐ Effective decision making

- ☐ Fun, liked to be there
- ☐ Careful listening
- Respect
- ☐ Good meeting facilitation
- ☐ Empowered members
- ☐ Constructively manage conflict

Kinds of Teams

- ☐Pseudo teams
- □Potential teams
- ☐Real teams
- ☐ High-performing teams



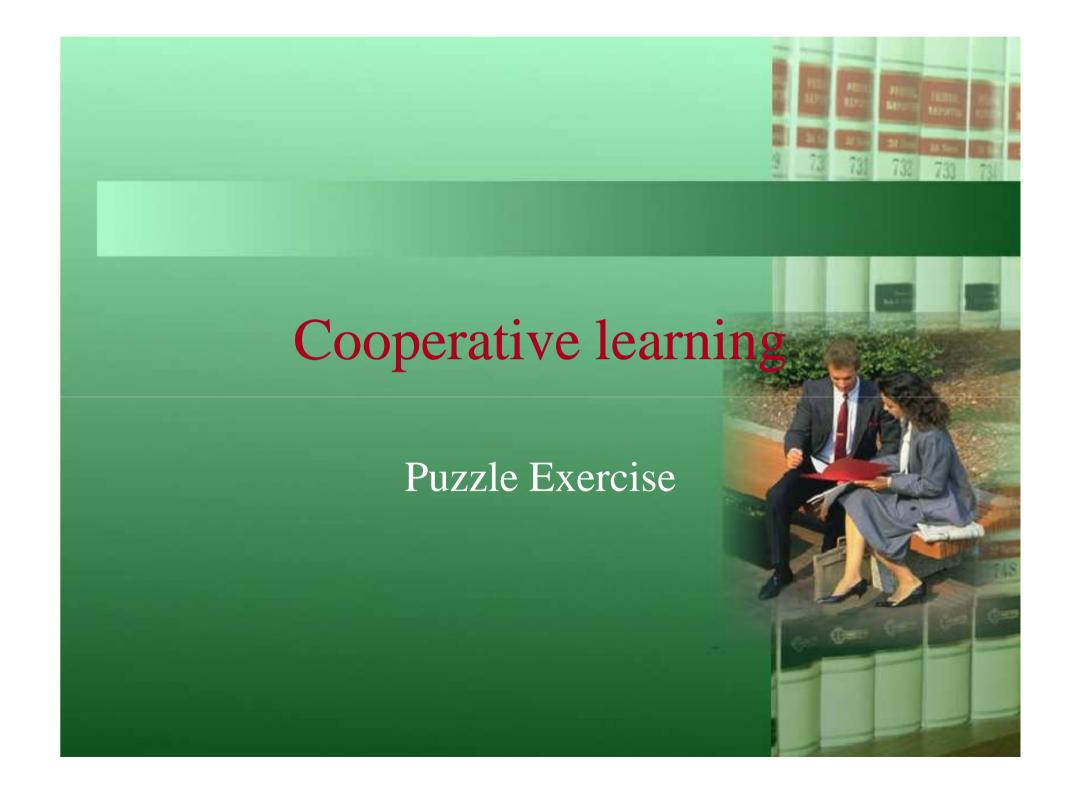
Group Performance High performance cooperative group Cooperative group Traditional group Pseudo group Type of group Individual members



- ☐ Members are assigned to work together ☐
- ☐ Members believe they will be ranked according to individual performance
- ☐ Members talk but they actually compete
- □ Probably would achieve more by working independently; they actually disrupt each other's work
- ☐ Members seek each other's information but do not teach what they have learned; there is not actual sharing



- ☐ Work is complex enough to require each other's cooperation
- ☐ Group's goal is maximize all member's learning
- ☐ Everyone is accountable
- ☐ Work face-to-face to produce joint work-products
- ☐ Members promote mutual success
- ☐ Analyze how effective they are achieving goals and how well they are working together





- ☐ Meets all criteria for being a cooperative group and outperforms reasonable expectations
- ☐ The difference is in level of commitment to each other and to the group
- ☐ Emotional binding
- ☐ Mutual concern for each other's personal growth
- ☐ Members actually have fun working with each other

Four types of teams

Specialization of tasks

High

Type I Swim team Type II
Football team

Type III
Bowling team

Type IV Volleyball team

Low

High

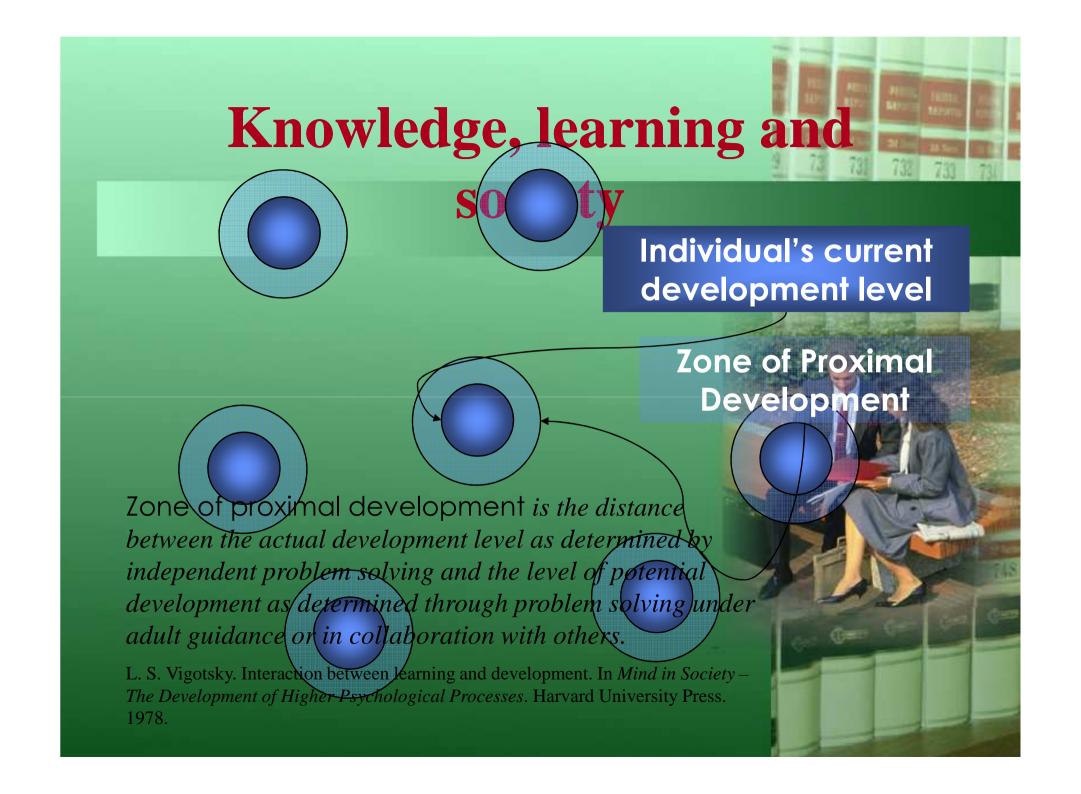
Coordination between team members

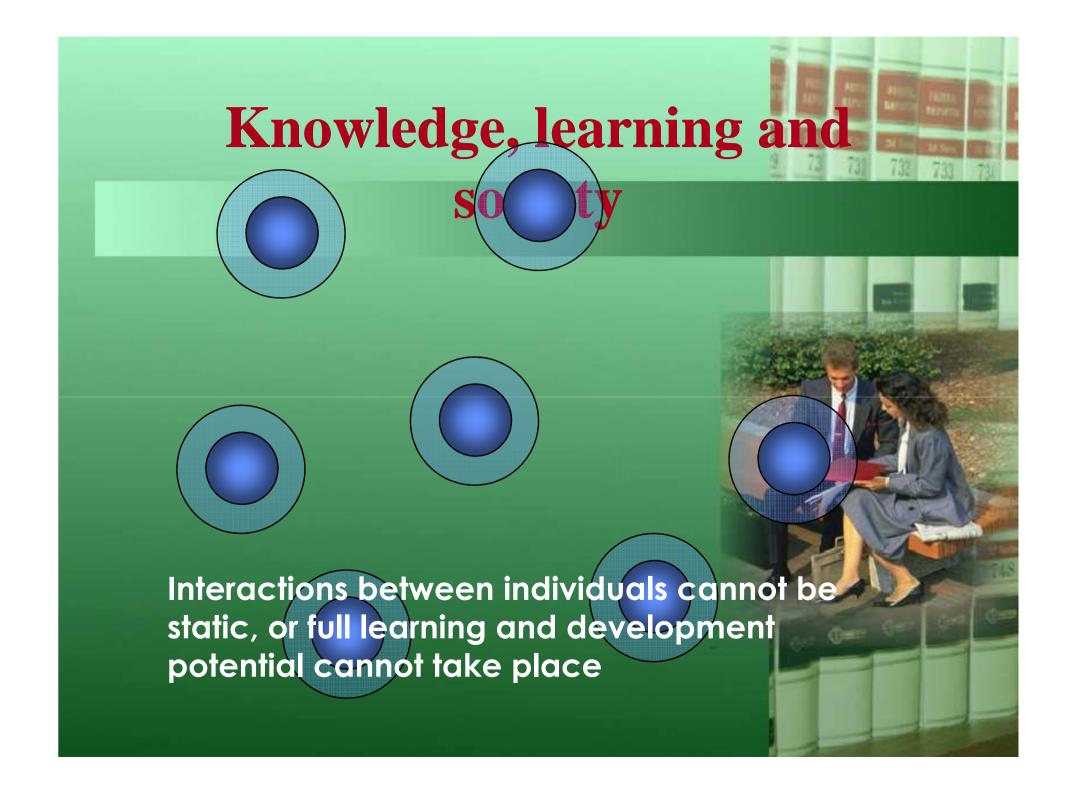


Groups and Teams

Working Group □ Strong, clearly focused leader □ Individual accountability □ Group's purpose is the same as the broader organizational mission □ Individual work products □ Runs efficient meetings □ Discusses, decides and delegates □ Measures effectiveness indirectly by its influence on others

Team	
☐ Shared leadership roles	
 Individual and mutual accountability 	
☐ Specific team purpose that the	
team itself delivers	
☐ Collective work-products	Š
☐ Encourages open ended	
discussions and active problem	ė
solving meetings	
☐ Discusses, decides and does	
real work together	*
☐ Measures performance directly	
by assessing collective work	
products	







Learning and development take place in a dynamic social interaction that enables and exploits the full potential of each individual.



What is diversity?

'Collective diversity, or diversity of the group-thekind of diversity that people usually talk about- is just as essential to good engineering as individual diversity. At a fundamental level, men, women, ethnic minorities, racial minorities and people with handicaps, experience the world differently. Those differences in experience are the "gene pool" from which creativity springs'

William A.Wolf, "Diversity in engineering". Bridge Vol 28 No. 4 pp 8-13. 1998



- ☐ Establish urgency and direction
- ☐ Select members based on skill and potential, not personalities
- ☐ Pay attention to first meeting and actions
- ☐ Set clear rules of behavior
- ☐ Set some immediate performance-oriented tasks and goals
- ☐ Challenge the group regularly with fresh information
- ☐ Spend lots of time together
- ☐ Exploit power of positive feedback, recognition and reward





Productivity Exercise

☐Goal: build paper airplanes

Criteria

☐ An acceptable plane must be manufactured according to specification

☐ An acceptable plane must fly at least 20 feet



"Education is an art of process, participation, and making connection. Learning is a growth and life process; and life and Nature are always relationships in process"

Medearis, C. and White Hat, A. *Mitakuye oyasin (We are all related in the Lakota tradition)*. Collaboration for the Advancement of College Teaching and Learning Faculty Development. Minneapolis, MN, Nov. 1995 p. 1