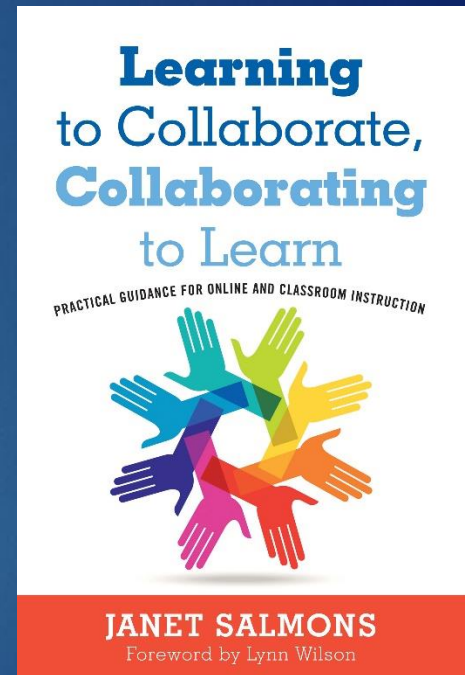


Learning to Collaborate Collaborating to Learn

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Why are you interested in collaboration?

**A. Improve
collaboration in
the classroom**

**B. Improve
collaboration
with teams**

**C. Assess
collaborative
work fairly**

**D. Student:
Want to learn
more**

**E. All of the
above**

F. Other

Agenda

- Rationale for collaborating to learn
- Taxonomy of Collaboration

- Planning learning activities
- Roles for individuals and groups

- Assessing collaborative outcomes

Q & A

Collaboration is essential in order to address the problems of our time.



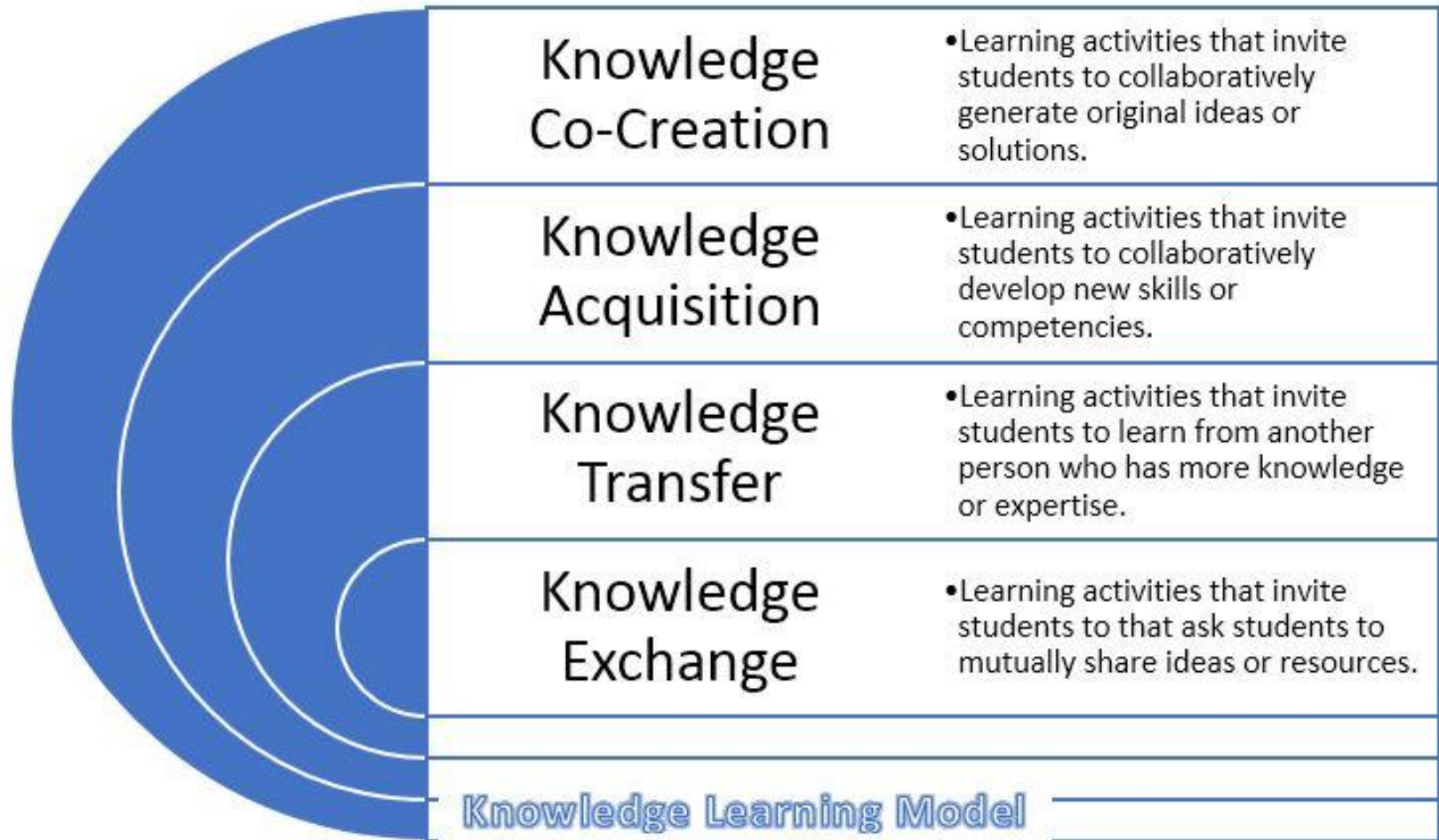
How can we prepare our students to work **within** institutions, organizations, and communities and **across** disciplinary, national, and geographic boundaries?

What is collaboration?

- ▶ Collaboration:

- ▶ "an interactive process that engages two or more participants who work together to achieve outcomes they could not accomplish independently."

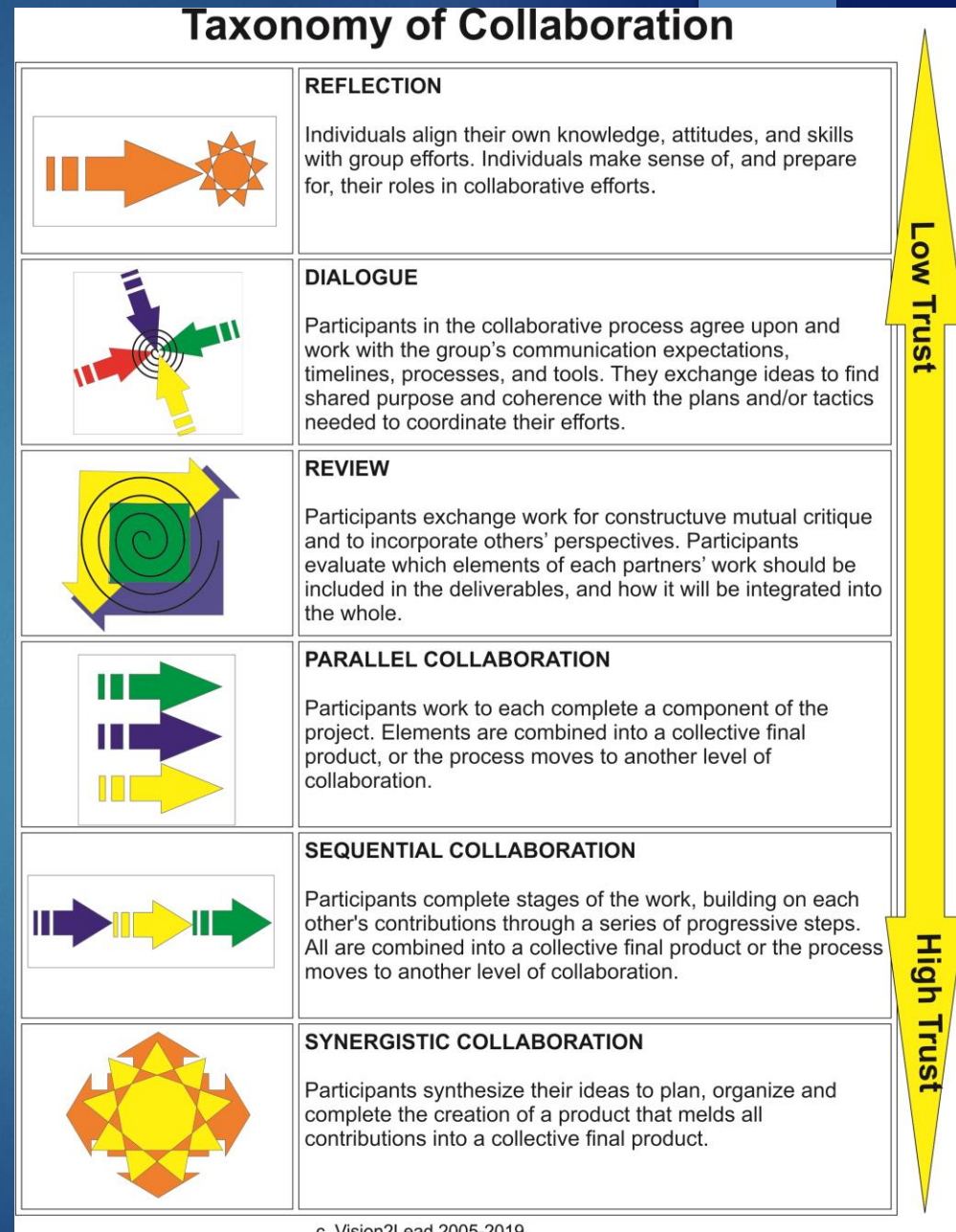
Collaborating to Learn



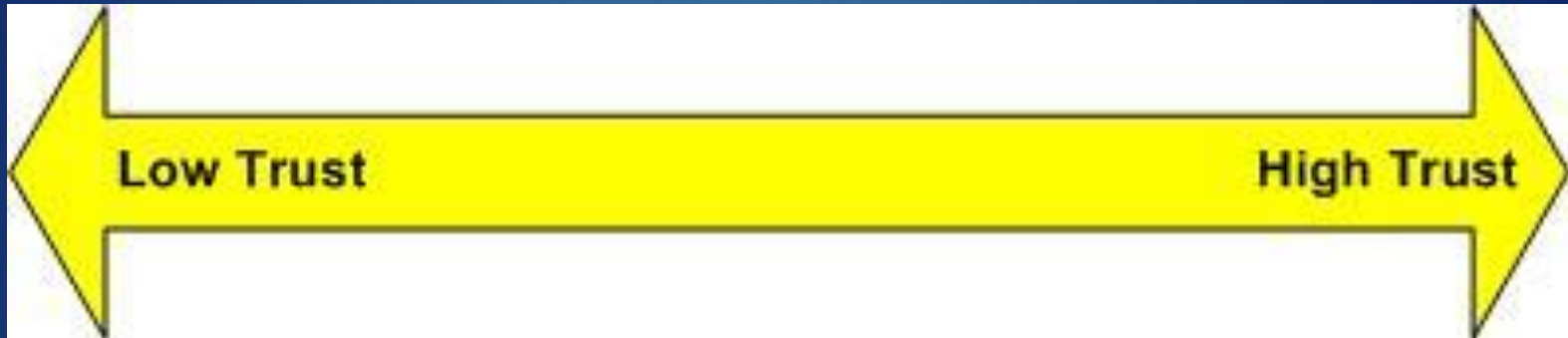
Taxonomy of Collaboration

A **conceptual framework** for designing, planning, and assessing collaborative learning and collaborative work.

A **visual language** for mapping projects and communicating about the collaborative process.



Trust Continuum



As collaboration increases, so does the need for trust. In collaborative efforts, trust is:

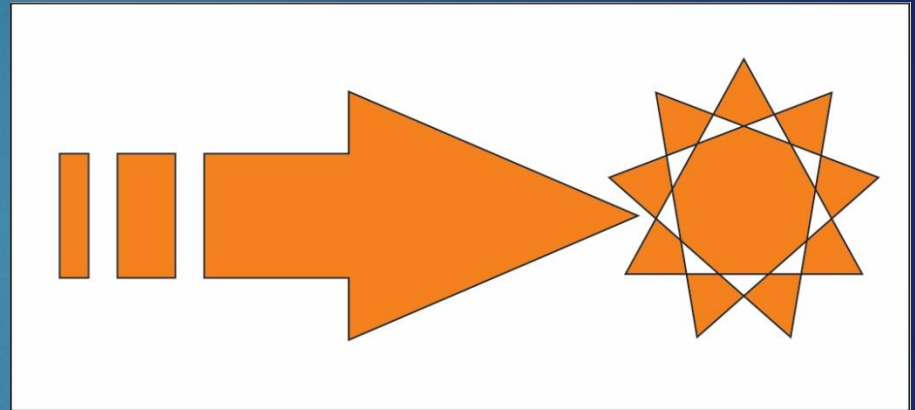
"the confidence that a person is competent to reach a goal and is committed to reaching it."

(Handy, 1995)

Reflection

The individual in the collaborative process:

Sensemaking and identity, from “I” to “we.”



Overcoming Obstacles at the Individual Level

Lack of trust

Different goals
among parties

Win-Lose
Attitudes

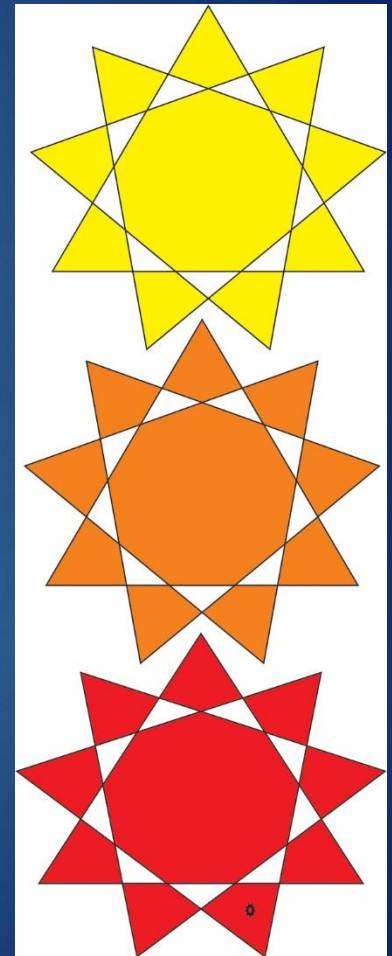
Unwilling to help
others

Ethic of
individualism

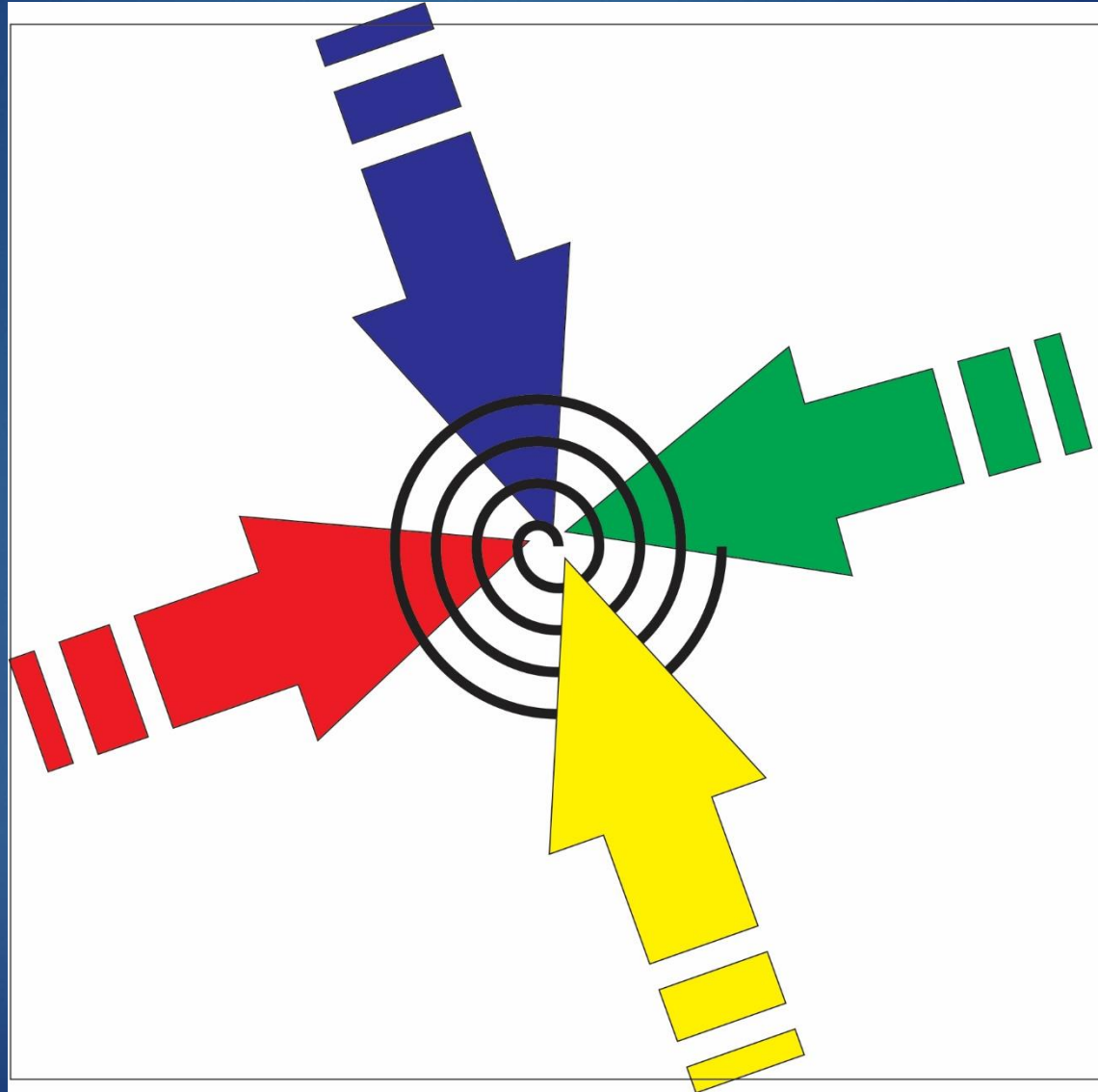
Unwilling to
seek input and
learn from
others

Learning Activities to Promote Reflection

- ▶ Journals
- ▶ Portfolios
- ▶ Individual consultations
- ▶ Feedback on individual outcomes



Level of Collaboration 1: Dialogue



Communication is Essential

Dialogue

Verbal and listening skills used in respectful, constructive discussion.



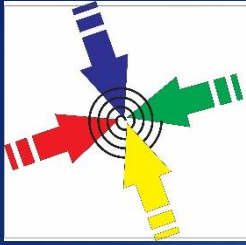
Dialogue as Step in Collaborative Process

Find shared purpose and coherence in the plans and/or tactics needed to coordinate their efforts.

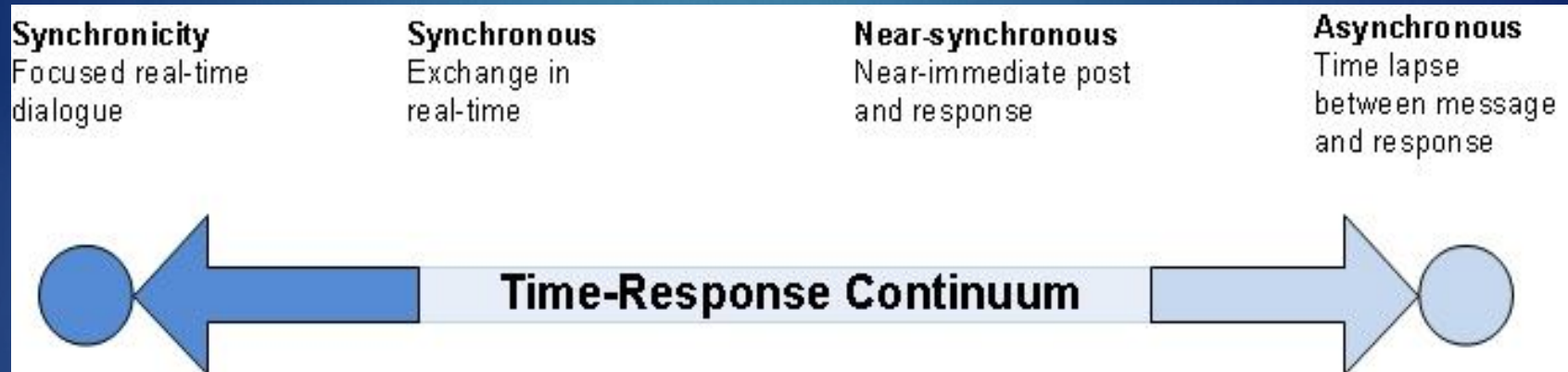


Online or Face-to-Face Dialogue

Use discussion, conferencing or mobile tools to communicate.

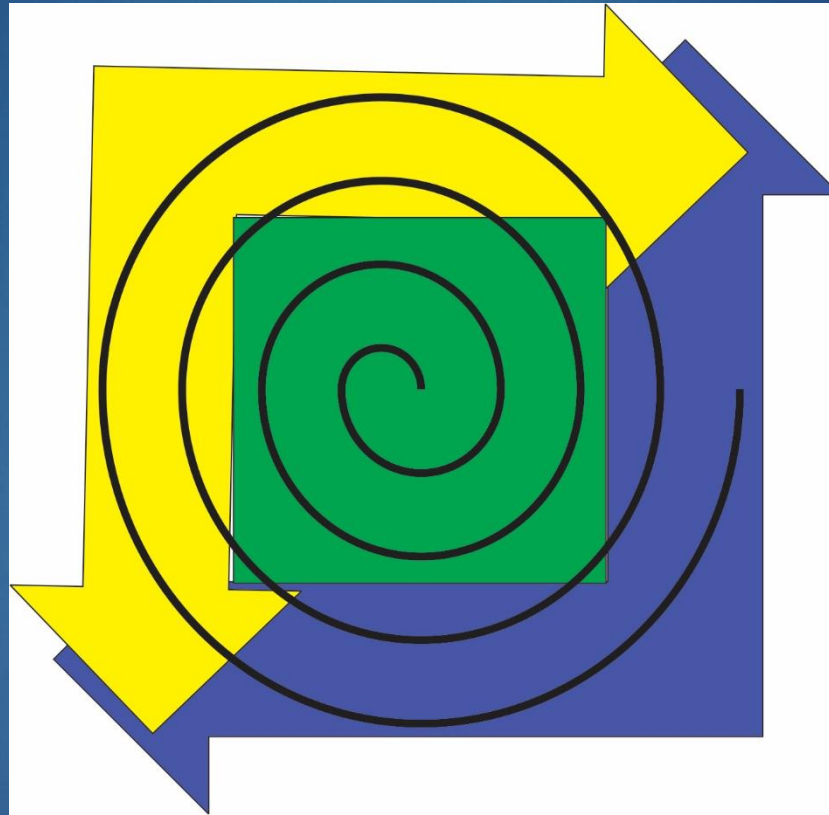


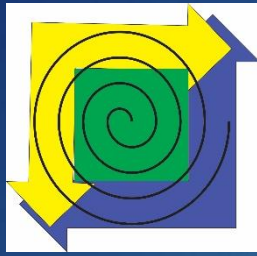
Strategies for Supporting Effective Use of Dialogue?



Agree on expectations for timing and type of online or face-to-face communication.

Level of Collaboration 2: Review





Level 2

Peer Review

Critical review of each other's work. Work within mutually acceptable boundaries and set criteria.



Peer Review as Step in Collaborative Process

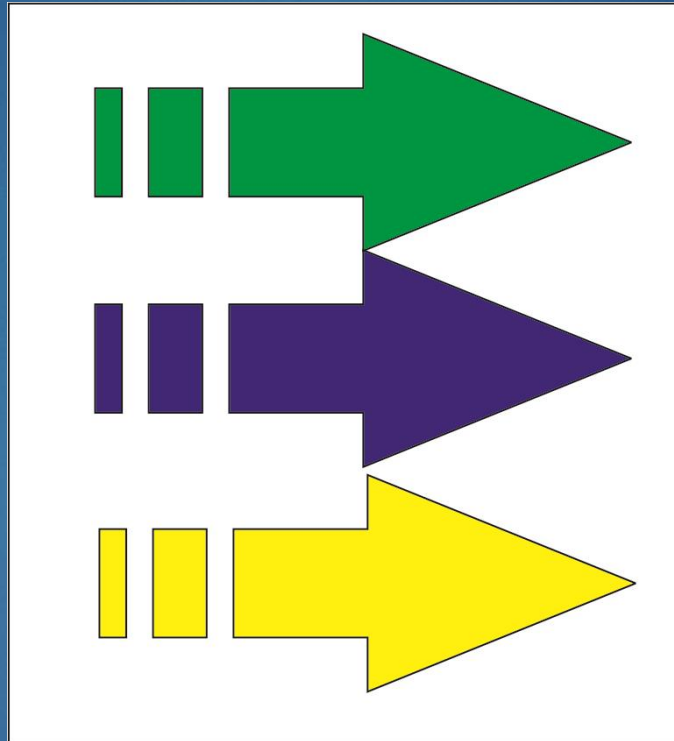
Exchange work for respectful, mutual critique to determine which contributions should be utilized or revised for inclusion in a collective outcome.

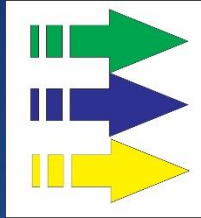


Online Peer Review

Work with attachments and shared document tools.

Level of Collaboration 3: Parallel





Level 3

Parallel

Organizing work into pieces completed side-by-side.



Parallel Organization of Collaborative Process

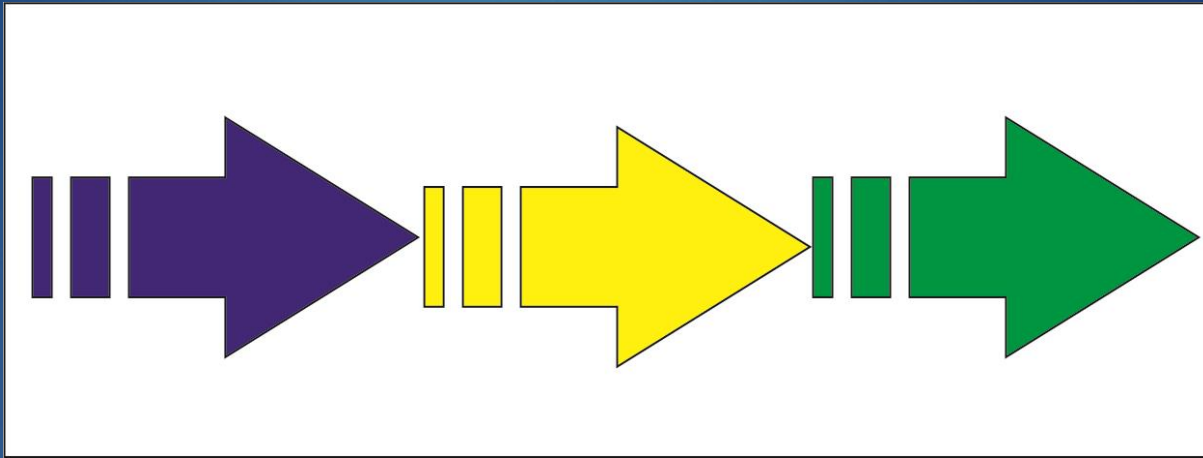
Each completes a component of the project; elements are combined into a collective final product, or the process moves to another level of collaboration.

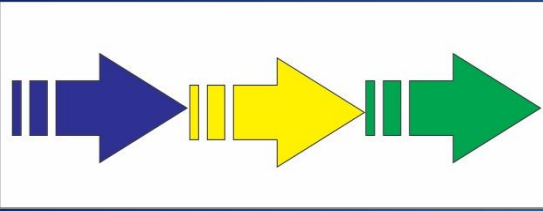


Parallel Work Online

Coordinate multiple strands of project; organize, manage and integrate information from multiple inputs.

Level of Collaboration 4: Sequential





Level 4

Sequential Steps

Organizing work into a logical series of steps.



Sequential Organization of Collaborative Process

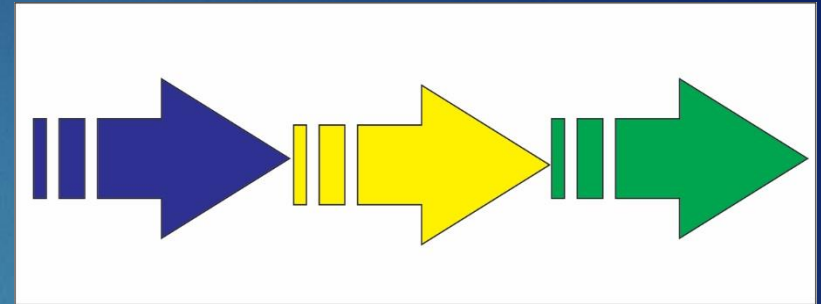
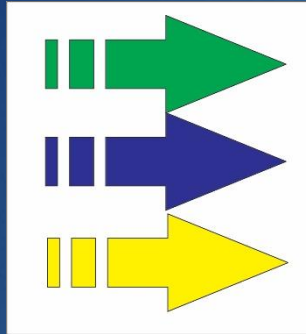
Build on each other's contributions through a series of progressive steps; elements are combined into a collective final product, or the process moves to another level of collaboration.



Sequential Work Online

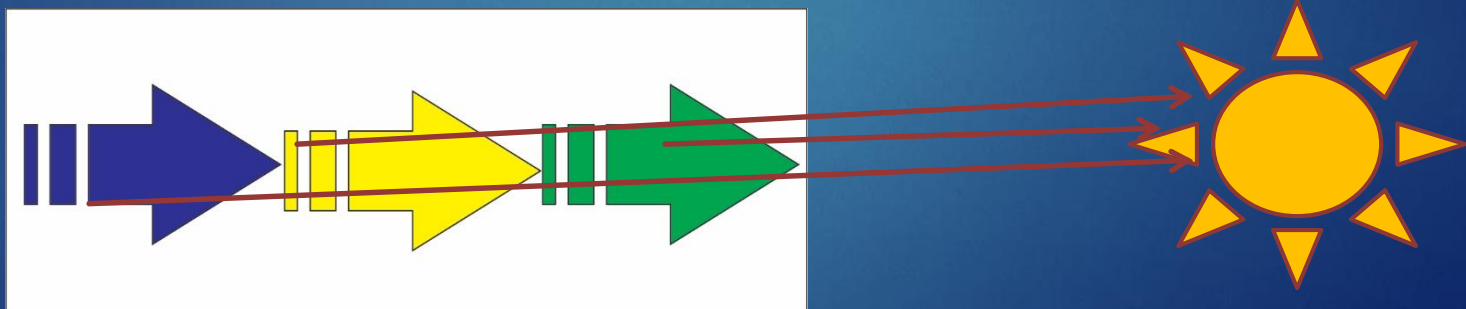
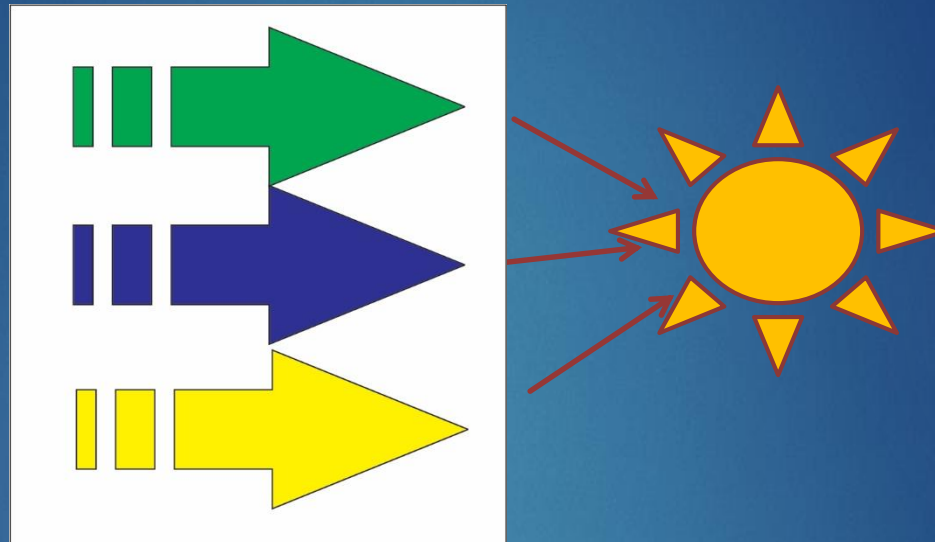
Use project management tools to track progress; use advanced editing and version control software functions.

Learning to Organize the Collaborative Project: Parallel or Sequential

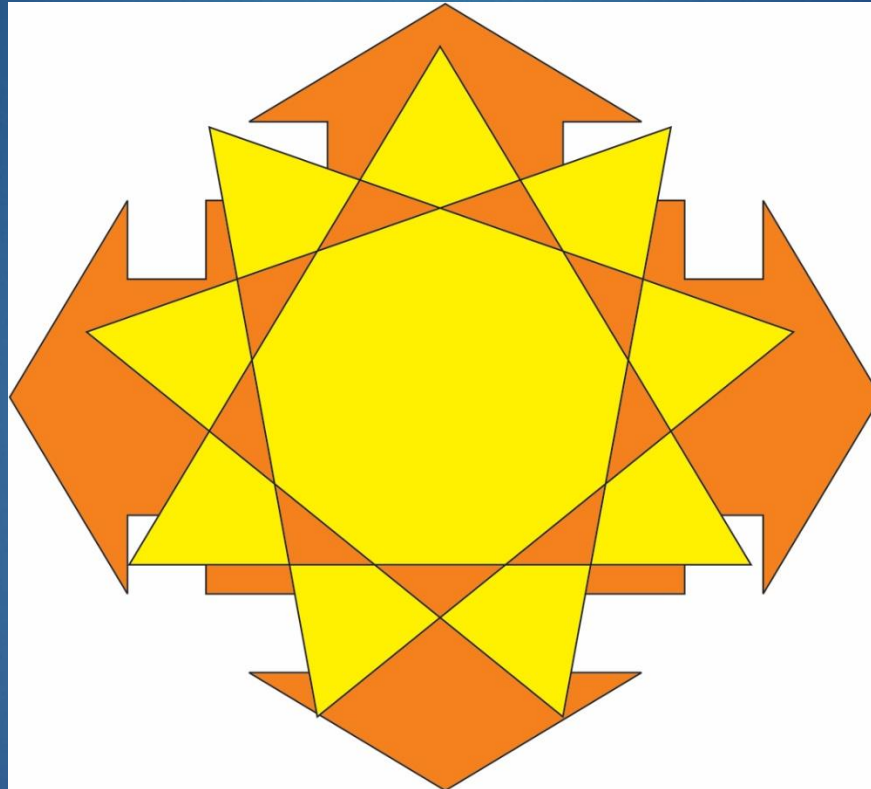


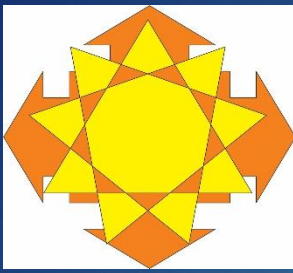
- ▣ Understand elements of the project.
- ▣ Divide and allocate tasks.
- ▣ Set timelines and standards.
- ▣ Coordinate, communicate progress.
- ▣ Develop mutual accountability; deal with underperforming team members and/or resolve conflicts
- ▣ Edit, compile, assemble outcomes.

Connecting Arrows & Stars



Level of Collaboration 5: Synergistic





Level 5

Synergy

Interactive meshing of ideas, theories and approaches.



Synergistic Organization of Collaborative Process

Work together through all steps and synthesize their ideas to plan, organize and complete the assignment together.



Synergistic Work Online

Understand ethics of intellectual property and use of sources; generate new information or knowledge by adapting and integrating multiple parts into collective whole.

Cultivate the “Synthesizing Mind”

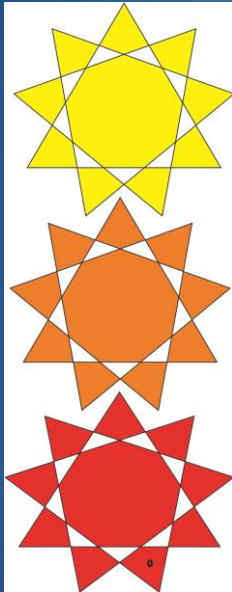
The synthesizing mind-ability to integrate ideas from different disciplines into a coherent whole.

“The most valued personal trait in the 21c will be a facility for synthesizing information.”

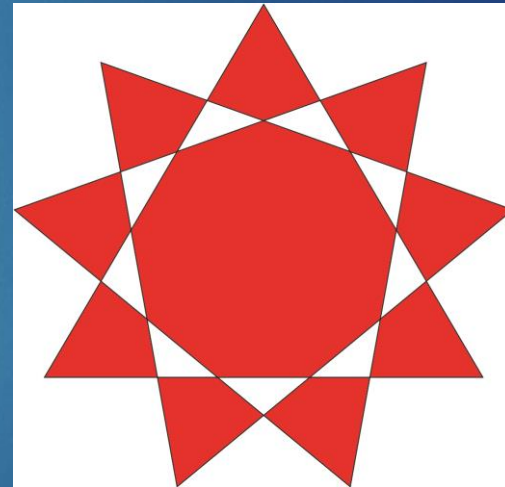
From Howard Gardner's *Five Minds for the Future*

Thinking about outcomes of the collaborative process

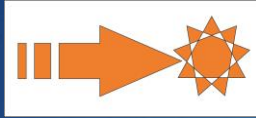
Collaborating to produce individual outcomes



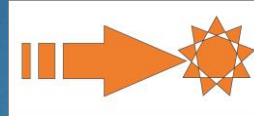
Collaborating to produce collective outcomes



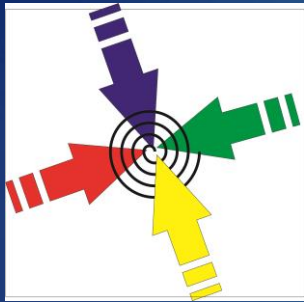
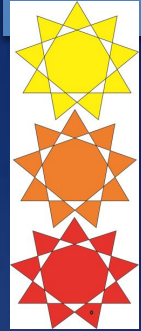
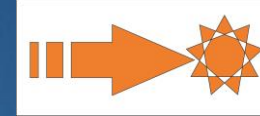
Map Your Assignments & Projects



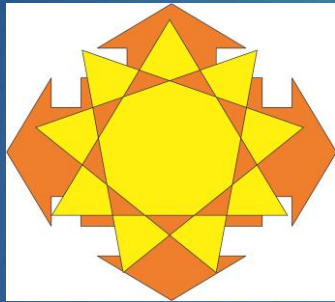
Reflect on project in journal



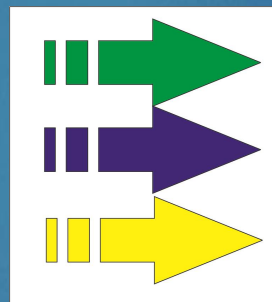
Submit journal



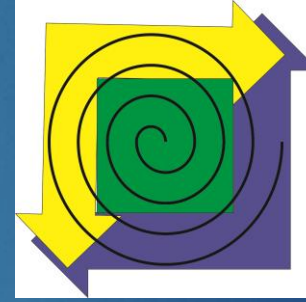
Discuss
project



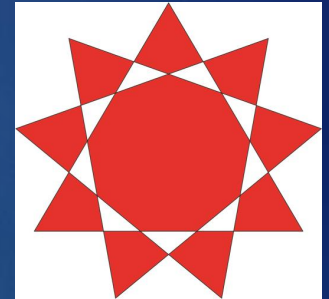
Brainstorm



Divide up tasks

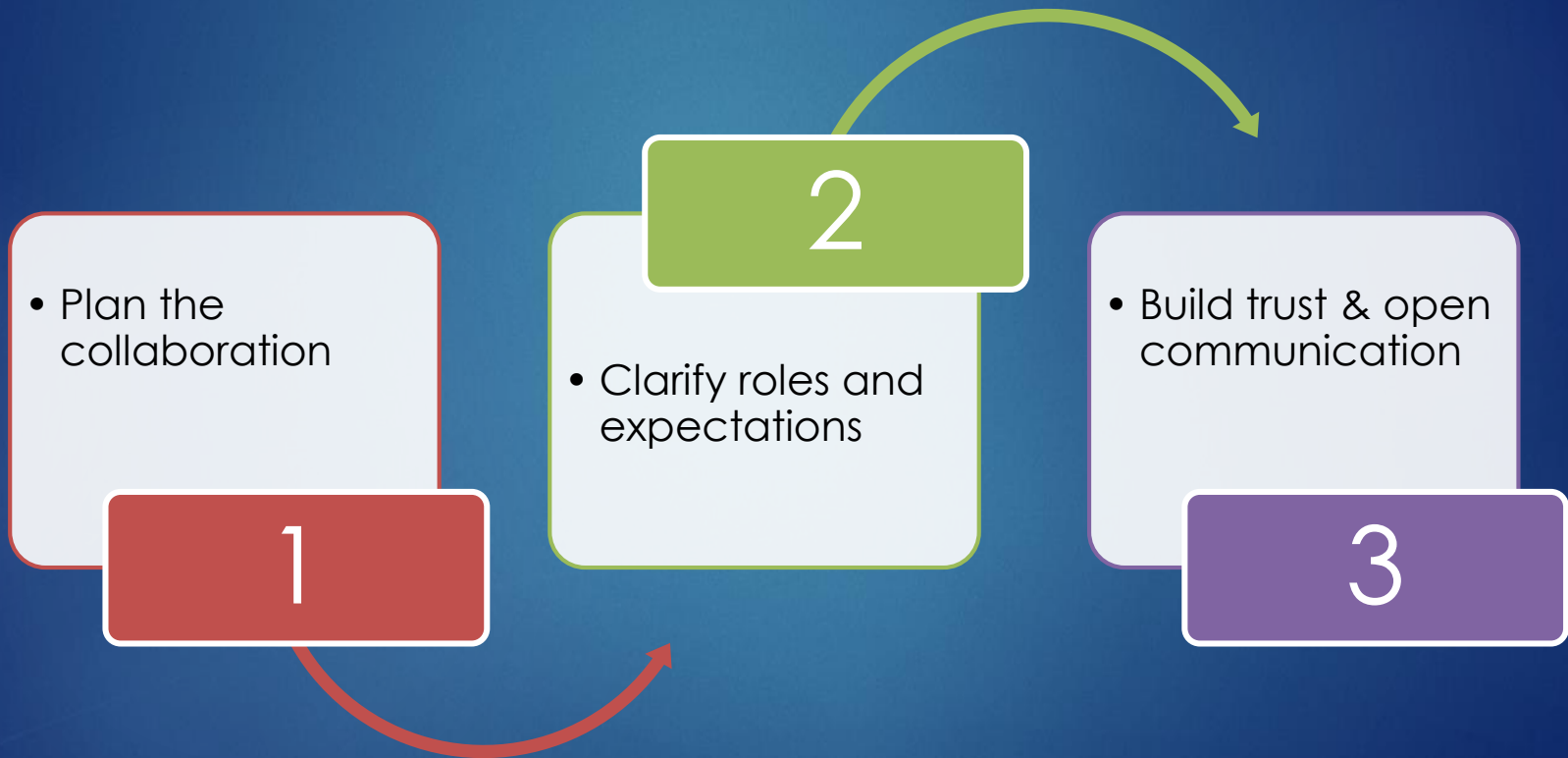


Review each
other's drafts



Compile and
submit group
assignment

Organizing for Collaborative Learning Success



Organizing for Collaborative Learning Success



Next steps?



See you in the Forum for discussion!

