

Think-Pair-Share



Brief Summary

Teachers pose a question to the class but allow time for students to think and write about the problem. Next, students share their thoughts with a partner or small group before the teacher calls on students to share with the whole class. Allowing time for students to think on their own and then share with a classmate can spark new questions or perspectives.

Example Use in STEM EDA

This cooperative learning model can be incorporated throughout the Engineering Design Process (EDP). For example, students begin Step 1 of the EDP by reading a scenario and identifying the problem. Encourage students to complete this task individually and then share their descriptions with their partner. Students should write down any missing or additional information they have learned from their partners as well as identify new questions related to the scenario.

Ideas on Implementation

1. Partners tend to be the obvious classmate to share with during this cooperative learning strategy. Have students change sharing partners over time by working with a classmate on a different team.
2. Provide ample time for students to think and write down their thoughts prior to sharing. Additionally, allow enough time for students to share their work with a partner. Setting a classroom timer that can be displayed in the room is helpful for students to manage their time.