
Think Aloud in Pairs for Problem Solving (TAPPS) • Role Cards (front side)

The Problem Solver

Think Aloud Pairs Problem Solving Protocol

- Read and solve the problem as much as you can on your own.
- Whenever you read or write say aloud the thoughts you are thinking to understand and solve the problem.
- Afterwards listen to your partner's report. Then discuss your processes and solution approaches with your partner.
- Finally, discuss the problem and finish the solution.

Metacognitive Starters

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| • I am looking for ... | • I am confused by ... |
| • I notice ... | • What might be true is ... |
| • What's important is ... | • I predict ... |
| • This reminds me of ... | • I could try ... |
| • I am thinking about ... | • An equation I could write is ... |
| • What I know is ... | • The big idea is ... |
| • A picture/graph I can draw is ... | • What I've now know is ... |
| • I wonder ... | • What is interesting is ... |
| • A question I have is ... | |

The Listener

Think Aloud Pairs Problem Solving Protocol

- Listen to your partner's Think Aloud comments and watch your partner's solution work.
- Make notes about your partners reading and problem solving processes.
- Prompt your partner to say aloud his/her thoughts whenever they stop thinking aloud.
- Afterwards tell your partner what you noticed about their reading and problems solving processes.
- Finally, discuss the problem and help finish the solution.

Metacognitive Coaching Prompts

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| • What are you focusing on? | • Please elaborate. |
| • What are you thinking now? | • I can't follow that. |
| • Could you tell me more? | • Run that by me again. |
| • What are you doing (or writing) now? | |

