

合作問題解決量表(CPS)

(1=極度不同意;2=不同意;3=趨中;4=同意;5=極度同意)

Section 1: Participation

1. I was actively participating in the science lesson.
2. I was listening carefully when other students were speaking or making presentations.
3. I asked others for help when I met difficulty.

Section 2: Perspective taking

4. Collaborating with others is more effective in finding solutions than working by oneself.
5. It is important to receive help from others in problem solving.
6. When facing unfamiliar problems, it is helpful to solve the problems by collaborating with others.

Section 3: Social regulation

7. During the science lesson, I can recognize my advantages and disadvantages in learning.
8. If my classmates have any problems, I have the duty to help them.
9. It is necessary to negotiate with other members to reach an agreement on a problem solution.

Section 4: Task regulation

10. I knew the objectives of the lesson clearly.
11. It is important to analyze problems before solving them.
12. I will investigate the information in order to solve the problems.
13. It is not necessary to find multiple solutions for one problem.

Section 5: Learning and knowledge building

14. In science lessons, it is often necessary to use knowledge from other subjects.
15. If I am provided enough information, I can acquire new knowledge by myself.
16. I can organize what I have learned after the lesson.
17. When I can't solve the problems, I will reflect on the learning.