

# Environment Setting for PBL ( Project-Based Learning ) with Cooperative Learning

## - Application of Interdependent Group-oriented Contingencies Team Management –

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**Key words:** active learning , Project-Based Learning , interdependent group-oriented contingencies

**Study objective:** The object of the present study was the examination of the effects of team management which used interdependent group-oriented contingencies as an environment setting for PBL(Project-Based Learning) with Cooperative Learning. **Setting** : The setting was my class at the university, whose theme was the planning and management of an “art auction” project. **Participants** : Participants were 9 students enrolled in the class working as a team. **Intervention** : Interventions were 1) a workshop in which the participants talked to one another about their “Good & New” experiences, 2) the identification of artworks for the auction by the members of the team, 3) encouragement to continue posting blogs about the auction, and 4) mutual confirmation among the members of “the weekly plan sheet” and “the weekly report sheet”. **Target behavior** : Target behaviors were 1) posting on the mailing list, 2) posting the blogs, 3)posting the blogs, and 4) attendance in the non-compulsory class and posting on the mailing list during the summer vacation. **Result** : The results were 1) the number of postings stably increased, 2) postings increased to more than last year, 3) postings increased but showed a low rate of increase, and 4) both improved compared to those last year. **Conclusion** : It was shown that team management using interdependent group-oriented contingencies as an environment setting for PBL with Cooperative Learning was effective.