STUDENT-INITIATED ADULT-ROLE EXPERIENCE: ITS IMPACT ON CLASSROOM CLIMATE AND PERSONAL GROWTH

DONG YUL LEE
University of Western Ontario

PETER CHALLEN
Beal Secondary School, London, Ontario

Abstract

The effects of adolescents' active learning of adult-roles on classroom climate and self-esteem were examined. Three classes in a secondary school were randomly assigned to experimental, attention-control, and no-treatment control conditions. The experimental class actively participated in the adult-role experience of teaching third-grade children at a nearby elementary school. The attention-control class held conversation sessions for the same length of time as the experimental class. Results indicated a more positive perception of the classroom environment and an increased sense of self-esteem among the experimental class. The results are discussed in relation to the importance of active rather than passive participation in adult-role experiences.

In an earlier study (Lee, Hallberg, & Hassard, 1979), the effect of assertiveness training on aggressive adolescents was examined. Rather than focusing on assertiveness as a target behavior, we examined whether training adolescents to be more assertive had any effect on their aggressive behavior. The results showed that the assertiveness training yielded significant improvement on the assertion scale, but it had little effect on peer-judged aggression. Two major problems emerged as factors hampering the treatment venture. The first problem was peer reinforcement. Although new, socially appropriate behavior was exhibited during the group session, old behavior appeared to be quickly reinforced by peers when the students returned to their home classroom. Hence, without changing the whole milieu, the generalized effect of our intervention seemed to be minimal. Second, like any other group intervention strategy, was the passivity of the program. Students known to exhibit a high frequency of aggressive behavior were selected and assertiveness training was imposed on them. In this sense, the students were expected to assume a passive, rather than an active role.

There is some evidence to indicate that
Adult-role Experience

Active learning, with heavy personal responsibility, produces significantly greater learning among participants (Mosher & Sprinthall, 1971). These authors concluded that when secondary school students were given opportunities to learn adult-roles such as elementary school teaching or peer counselling, significant improvement in psychological maturity and self-confidence was evident.

The purpose of the present study was twofold: first, it examined whether student-initiated adult-role experiences are effective in reducing the aggressive behavior of adolescents. Second, it examined the effect of adult-role experiences on the classroom climate and on the self-esteem of participants. Specifically, do student-initiated adult-role experiences produce a positive classroom atmosphere and an increase in the self-esteem of participants?

Method

Participants

Three mixed gender 10th grade classes of a secondary school in London, Ontario, were randomly assigned to experimental, attention-control, and no-treatment control groups. The school is unique in that the students attend because of special academic and/or behavioral problems. Classes are usually small, ranging from 10 to 15 students.

The students in the experimental class \((n = 10)\) were involved in teaching reading, vocabulary, and arithmetic to a group of third grade children at a nearby elementary school. Students in the attention-control class \((n = 11)\) spent the same amount of time as the experimental class discussing general topics related to school and the world of work. Those in the no-treatment control class \((n = 10)\) did not engage in any planned activity.

Student-initiated Adult-role Experience

The adult-role experiences of the experimental class were implemented in the following way. The experimental class was told that opportunities to "teach" younger children (grade 3) in a nearby elementary school was available, and that the whole class would participate. Furthermore, the students were direct to plan the entire procedure together as a group. They were to decide from a list of projects provided by the elementary school teacher, what they would like to teach, and how they would teach it. During the next six weeks, the group met with a "supervisor" (a second year student in the master's program in Counselling) once a week to plan the project. The planning phase involved: (a) on-site visits to the elementary school, (b) an invitation to the homeroom teacher in the elementary school in order to discuss mutual expectations, and (c) the planning and preparation of the actual teaching. During the planning phase, the supervisor actively assisted the group in all aspects of decision making and in finding relevant resource personnel and materials. Throughout the planning phase the importance of personal responsibility as a group member was emphasized. Toward the end of this phase, the manpower assignment for each week was determined, fears and anticipated frustrations were discussed, and all necessary materials were prepared and distributed. In order to cultivate an "adult-like" climate, soft drinks, pizza, or potato chips were provided during the several planning sessions.

During the actual teaching phase the participants, acting in the capacity of teacher's aids, instructed the younger children one session per week, for three weeks. Each student, assigned to one or two children, assisted them in their academic work which included story reading, vocabulary, and math.

The students in the attention-control condition held conversation sessions with the elementary school students for the same length of time as the experimental group. The group informally discussed general topics related to satisfaction and dissatisfaction in school, the world of work, and future careers. Throughout the sessions, the leader acted as a listener and a moderator.

Measuring Instruments

The following four criterion measures were obtained two weeks after the termination of the teaching phase: perceived aggressiveness, perceived classroom climate, self-esteem, and perception of peers. Aggressiveness was not the target variable in this study. However, it was examined as a tangential dimension because high frequency of such behavior was reported in this school.

Perceived aggressiveness. Peer rating, similar to the one used by Lee, Hallberg, and Hassard (1979) was used. Students judged all other students in the class as to how often they showed the following behavior during
the past month on a 5-point scale (5 for "very
often" and 1 for "never"): (a) swearing, name-
calling, and threatening; (b) getting angry
easily and throwing objects; and (c) starting
fights and hitting others back. For each student
the total nomination score was obtained
by summing the nominations received from
all children across the three areas (i.e., swearing,
getting angry easily, and starting fights).

Perceived classroom climate. It was antici-
pated that student-initiated adult-role experi-
ences would increase the students' perception
of the learning environment in a more positive
direction. Positive learning environment
referred to such student-teacher or student-
student interactions as students challenging
teacher's opinion, students learning from one
another, students caring about one another
in class, and teacher understanding the
students. The perceived classroom climate
was measured by the Class Atmosphere Scale
(CAS) developed by Silbergeld, Koenig, and
Manderscheid (1976). The CAS consists of
12 subscales; each subscale includes 10 true-
false items concerning specific behaviors in
the classroom, and assesses quantitatively
the perceptions held by the teacher and
students about their common class milieu.
The following 6 subscales were used because
of their relevance to this study: autonomy,
affiliation, spontaneity, support, involvement,
and aggression. The total score (score range
=0 -60) was used.

Self-esteem. Self-esteem was assessed by
the Self-Esteem Scale (SE) developed by
Rosenberg (1965). The SE measures the self-
acceptance dimension of self-esteem. The 10
items were answered on a 6-point agree-disagree
continuum, yielding possible scores of 10 (low)

Perception of peers. In order to assess
peer relationships among class members,
fifteen semantic differential types of adjective-
pairs were presented in a 6-point rating
continuum. The stimulus words "kids in my
class" (abbreviated as KIDS) were stated on
the top, with the polarity of each pair
randomized. Examples of the pairs are: likable-
not likable, honest-dishonest, tolerant of
others - critical of others. The scores could
range from 15 (negative) to 90 (positive).

Results

The four dependent variables (i.e.,
aggression, CAS, SE, and peer perception)
were treated as a multivariate dependent set,
and were compared among the experimental,
attention-control, and no-treatment control
groups by multivariate analysis of variance
(MANOVA; Morrison, 1967).

Hotelling's value indicating overall
MANOVA was significant, \( F(8, 48) = 2.29,\)
\( p < .05, \) in concordance with Hummel and
Sligo's (1971) suggestion to use a combination
of univariate and multivariate analysis of
variance, each group mean was compared by
univariate analysis of variance. As can be
seen from Table 1, significant mean differences
were obtained only in the CAS, \( F(2,28)= 4.07,\)
\( p < .01, \) and the SE, \( F(2,28) = 3.19, p < .06.\)

In each case the experimental group revealed
higher mean scores than the attention-control
and no-treatment control groups, with no
significant differences between the latter
two groups.

Discussion

Are student-initiated adult-role experiences
effective in enhancing positive classroom
climate and a sense of personal worth? The
above data supports an affirmative answer.
The experimental group, in contrast to the
attention-control and no-treatment control
groups, appeared to perceive the
classroom atmosphere more favorably, and also appeared
to have an enhanced sense of self-esteem. As
to the question of whether the adult-role
experience is effective in reducing aggressive
behavior, the data were disappointing. There
was no significant differences among the
three groups in perceived level of aggression.
Significant improvements in self-report
aggressiveness without accompanying concomi-
tant change in peer rating were reported by

Several points need to be mentioned.
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First, the number of sessions was the same between the experimental and attention-control, and yet the contact time with significant adults was greater for the experimental than the attention-control subjects. Although this raises some question about the internal validity of the study, controlling the time for contact with adult trainers would have weakened the external validity. Second, it should be noted that, with the exception of perceived aggressiveness, there was no pretest data in the present study. Although the classes were randomly assigned to experimental conditions, there was no guarantee that the groups were equivalent. The result analysis of variance on the pretest data available (i.e., perceived aggressiveness) suggested that there was no significant differences among the three groups, $F(2, 28) = 1.33, p > .05$. Third, the unique nature of the sample in this study should be reiterated. The subjects in the study were adolescents who are referred to this school because of their special academic and/or behavioral problems.

The design of this study does not allow us to claim that an adult-role experience is more effective than other approaches in improving classroom atmosphere and self-esteem. Perhaps equally effective outcomes could have been achieved using a traditional group counselling approach. However, the idea of emphasizing an adult-role experience initiated by the students seems to have considerable merit. Our approach is novel in the sense that the whole class was given an opportunity to learn adult-role behavior, and participated throughout the study in an active rather than passive way. The participants actively tested new attitudes and skills in real situations where opportunities for more satisfying relationships or keener appreciation can occur naturally. As has been suggested by Blocher (1977), active learning may be crucial factor in any learning situation. The results of this study, taken together with many favorable anecdotal reports (not reported here), seem to suggest that counsellors need to design more student-centered, active intervention strategies designed to change the interpersonal environment.

References


ABOUT THE AUTHORS

Dong Yul Lee is an Associate Professor in the Department of Educational Psychology, University of Western Ontario, London, Ontario. He received a Master's degree in Educational Psychology from Seoul National University and a Doctorate in Counseling Psychology from University of British Columbia.

Peter Challen received a Master's degree in Educational Psychology from the University of Western Ontario. He is a full-time counsellor at Beal Secondary School, London, Ontario.