Teaching Cooperative Learning with Children’s Literature

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Abstract

The focus of this article is cooperative learning as an approach that educators can use to increase children’s enjoyment of literature and reinforce social skills of working together. Goal structures (competitive, individual, and cooperative) and the elements of cooperative learning are explained and defined based on the Johnson and Johnson model. A summary of research about both areas, cooperative learning and teaching children’s literature, are presented. Examples of children’s literature for primary, middle, high school level, as well as multiple resources to draw from are included. The literature selected focuses on the theme of working together. Cooperation, as all social skills, can be taught. Age appropriate resources, centered on the theme of cooperation, are emphasized as choices to promote and reinforce cooperative learning strategies.

Keywords: cooperative learning, children’s literature, instruction, curriculum

Cooperation, as all social skills, can be taught. Age appropriate resources, centered on the theme of cooperation, are emphasized as choices to promote and reinforce cooperative learning strategies. The focus of this article is cooperative learning as an approach that educators can use to increase children’s enjoyment of literature. Goal structures and the elements of cooperative learning are explained and defined based on the Johnson and Johnson model.

Purpose of the Article

The purpose of this article is to present a summary of research about two areas: cooperative learning and teaching children’s literature. Specific examples of children’s literature and multiple resources to draw from are included and focus on the theme of working together.
Theoretical Framework and Perspectives

The theoretical framework for this article centers on cooperative learning. Cooperative learning has its roots in the theories of social interdependence, cognitive development, and behavioral learning. Some research provides exceptionally strong evidence that cooperative learning results in greater effort to achieve, more positive relationships, and greater psychological health than competitive or individualistic learning efforts (Johnson, Johnson, & Holubec, 1994).

Social interdependence theory views cooperation as resulting from positive links of individuals to accomplish a common goal. The Gestalt psychologist Kurt Koffka proposed in the early 1900’s that although groups are dynamic wholes the interdependence among members is variable. Kurt Lewin (1948) stated that interdependence from common goals provides the essential essence of a group. This interdependence creates groups that are dynamic wholes.

Within cognitive development theory, cooperation must precede cognitive growth. Cognitive growth springs from the alignment of various perspectives as individuals work to attain common goals. Both Piaget and Vygotsky saw cooperative learning with more able peers and instructors as resulting in cognitive development and intellectual growth (Johnson, Johnson, & Smith, 1998).

The assumption of behavioral learning theory is that students will work hard on tasks that provide a reward and that students will fail to work on tasks that provide no reward or punishment. Cooperative learning is one approach that rewards individuals for participation in the group’s effort.

The widespread use of cooperative learning is due to multiple factors. According to Johnson and Johnson (2002) three of the most important factors are that cooperative learning is clearly based on theory, validated by research, and operationalized into clear procedures educators can use.

There are over 900 research studies validating the effectiveness of cooperative learning over competitive and individualistic efforts. This body of research has considerable generalizability. For more than 110 years the research has been conducted by a wide range of researchers with markedly different orientations working in various settings and countries. The research participants have varied widely as to cultural background, economic class, age, and gender. Furthermore, a wide variety of research tasks and measures of the dependent variables have been used (Johnson and Johnson, 2002).

A review of the literature on cooperative learning shows that students benefit academically and socially from cooperative, small-group learning (Gillies, 2002). Cooperative learning can produce positive effects on student achievement (Cohen, 1986; Davidson, 1989; Devries & Slavin, 1978; Johnson & Johnson, 1989; Okebukola, 1985; Reid, 1992; Slavin, 1990). Academic benefits include higher attainments in reading comprehension (Mathes, Fuchs & Fuchs, 1997) and mathematics (Ross, 1995; Whicker, Nunnery, & Bol, 1997) and enhanced conceptual understanding and achievement in science (Lonning, 1993; Watson, 1991). Social benefits include more on-task behaviors and helping interactions with group members (Burron, James, & Ambrosio, 1993; Gillies & Ashman, 1998; McManus & Gettinger, 1996), higher self-esteem, more friends, more involvement in classroom activities, and improved attitudes toward learning (Lazarowitz, Baird, & Bolden, 1996; Lazarowitz, Hertz-Lazarowitz, & Baird, 1994).

According to Emmer and Gerwels (2002) some research on cooperative learning has addressed instructional components. In a number of studies students have been taught interaction skills, such as how to question or to help each other so that they did not give
answers but facilitated each other’s thinking (Fuchs, Fuchs, Kazdan, & Allen, 1999; Gillies & Ashman, 1996, 1998; Nattiv, 1994; Webb, Troper, & Fall, 1995). And, when students are taught such skills, positive outcomes such as increased intrinsic motivation, liking for school, and self-esteem can result (Battistich, Solomon, & Delucchi, 1993).

Definitions

Definitions of terms used in the Johnson and Johnson model are defined to promote understanding.

A goal structure specifies the type of interdependence among students as they strive to accomplish their learning goals.

Interdependence may be positive (cooperation), negative (competition), or none (individualistic efforts).

Competition: I Swim, You Sink; I Sink You Swim

If I obtain my goal, you cannot obtain your goal and vice versa: there is a negative correlation among goal attainments.

Individualization: We Are Each In This Alone

My achieving my goal is unrelated to your achieving your goal; there is no correlation among goal attainments.

Cooperation: We Sink or Swim Together

I can attain my goal only if you attain your goal: there is a positive correlation among goal attainments.

Many research studies provide exceptionally strong evidence that cooperative learning results in greater effort to achieve, more positive relationships, and greater psychological health than competitive or individualistic learning efforts (Johnson, Johnson, & Holubec, 1994).

Teaching children’s literature using cooperative learning enhances and promotes the understanding and enjoyment of the experience through the interaction with peers.

Elements of Cooperative Learning

Johnson, D., Johnson, R. and Holubec, E. (1994) emphasize five elements characteristic of cooperative learning lessons. These are positive interdependence, face-to-face (promotive) interaction, individual accountability (personal responsibility), collaborative skills, and group processing.
Positive Interdependence

Students must feel that they need each other in order to complete the group’s task, that they “sink or swim” together. Some ways to create this feeling are through establishing mutual goals, joint rewards, shared materials and information, and assigned roles.

Face-to-Face Interaction

Beneficial educational outcomes are due to the interaction patterns and verbal exchanges that take place among students in carefully structured cooperative learning groups. Oral summarizing, giving and receiving explanations, and elaborating are important types of verbal interchanges.

Individual Accountability

Each individual must learn the material and be able to demonstrate their mastery of the information. Group members help individual members learn the material.

Collaborative Skills

Students do not come to school with the social skills they need to collaborate effectively with others. Teachers need to teach the appropriate communication, leadership, trust, decision making, and conflict management skills to students and provide the motivation to use these skills in order for groups to function effectively.

Group Processing

Processing means giving students the time and procedures to analyze how well their groups are functioning. This helps all group members achieve while maintaining effective working relationships among members.

Children’s Literature

According to Andrew Wright (1997), it is important for children to make stories as well as to receive and respond to stories from other people. Using these ideas, students will not view a text as an abstract, flat piece of printed matter isolated from and irrelevant to their lives (Maley, 1987). They will enjoy literature and it will become a part of their lives. Teachers learn how to help students to better understand the books they are reading and can use their creativity to create new stories.

Wood, Roser, and Martinez, (2001) compiled book lists by level around the theme of working together. This provides a resource that centers on quality children’s literature and reinforces the importance of working together and can be structured into lessons using cooperative learning to experience working together. The book lists are presented in groupings of primary, primary and middle, middle and advanced, and advanced. Wood, Roser, and Martinez (2001) state that, “Through collaborative literacy, students are introduced to books that feature characters working together to achieve a goal, share their thinking through collaborative book discussions, and learn how to develop the need to get along and cooperate by examining how the book themes apply to their lives.”
Book Lists: Theme of Working Together

The following lists are adapted from Wood, K. D., Roser, N., and Martinez, M. (2001). Cooperative learning focuses on teaching students to work together and the lists center on the theme of working together. The match of content focus and research-based instructional strategies strengthens the message of the importance of social skills.

Primary

_This is the Way We Eat Our Lunch: A Book About Children Around the World_ by Edith Baer. Scholastic, 1995.

Primary and Middle

_All in a Day_ by Mitsumasa Anno. Philomel. 1986

Middle

_All the Colors of the Earth_ by Sheila Hamanaka. Morrow, 1994.
_Henry’s Wrong Turn_ by Harriet Ziefert, Little, Brown, 1989.
_Shh! We’re Writing the Constitution_ by Jean Fritz. Putman, 1987.
Middle and Advanced

Freak the Mighty by Rodman Philbrick. Scholastic, 1998.
Pink and Say by Patricia Polacco. Philomel, 1994.

Advanced

Dicey’s Song by Cynthia Voigt. Atheneum, 1982.

Additional resources for educators are presented by Williams and Bauer (2006) and adapted in Table 1: Selected Reference Titles for Children’s Literature provides the reference, the author or sponsor and describes the features of each reference.
Table 1

Selected Reference Titles for Children’s Literature

<table>
<thead>
<tr>
<th>Reference</th>
<th>Author/ sponsor</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>A to Zoo: Subject Access to Children’s and Young Adult Literature</td>
<td>Libraries Unlimited</td>
<td>This book provides a subject index and bibliographic information on children’s picture books with emphasis on K-2, listing nearly 23,000 titles.</td>
</tr>
<tr>
<td>Adventuring With Books: A Booklist for Pre-K—Grade 6</td>
<td>National Council of Teachers of English</td>
<td>This book provides a subject index to informational texts and fiction suitable for elementary students, including multicultural materials.</td>
</tr>
<tr>
<td>Great Books for African–American Children</td>
<td>Dutton/Plume</td>
<td>This book lists 250 books that celebrate the African American culture and provides ordering information.</td>
</tr>
<tr>
<td>Book Links: Connecting Books, Libraries and Classrooms</td>
<td>American Library Association</td>
<td>This Journal is published six times a year and discusses old and new titles, including book strategies and classroom connections.</td>
</tr>
<tr>
<td>Best Books for Children: Preschool Through Grade 6</td>
<td>R. R. Bowker</td>
<td>This book includes brief annotations for 17,140 titles that have had two or three recommendations in leading journals. There are indexes for author, title, illustrator, and subject.</td>
</tr>
<tr>
<td>Through Indian Eyes: The Native Experience in Books for Children</td>
<td>American Indian Studies Center</td>
<td>This book evaluates and offers suggestions for selection of books on Native Americans.</td>
</tr>
</tbody>
</table>

Note: Adapted from Williams & Bauer (2006).

Teaching children’s literature using cooperative learning provides the opportunity for students to develop greater collaborative skills, increase their perspective taking, increase their retention of material, bring about more on-task behavior, and promote higher achievement.

Table 2, adapted from Williams & Bauer (2006), provides website information for children’s literature web guides. These resources provide access to the websites, sponsors, and a description of the features of each website. Every educator can now access resources to match their students’ interests.
**Table 2**  
*Children’s Literature Web Guide*

<table>
<thead>
<tr>
<th>Website</th>
<th>Sponsor</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <a href="http://www.sunlink.ucf.edu">www.sunlink.ucf.edu</a></td>
<td>Funded by State of Florida, maintained by University of Central Florida</td>
<td>Site is available for anyone wishing to search for trade books and materials according to reading levels, interests, and topics.</td>
</tr>
<tr>
<td>2. <a href="http://www.ala.org/ala/alsc">www.ala.org/ala/alsc</a></td>
<td>American Library Association</td>
<td>Site features award winning books and information for teachers and librarians.</td>
</tr>
<tr>
<td>3. <a href="http://www.cbcbooks.org">www.cbcbooks.org</a></td>
<td>The Children’s Book Council</td>
<td>This site features new releases, themed books, and information about authors/illustrators. It gives perspectives from teachers, media specialists, and other educators on books and how to use them and information on events such as Children’s Book Week.</td>
</tr>
<tr>
<td>4. <a href="http://www.reading.org">www.reading.org</a></td>
<td>International Reading Association</td>
<td>This site features the International Reading Associations “Choices” booklists, links to special interest groups in children’s literature, and articles and position statements on authentic reading and writing.</td>
</tr>
<tr>
<td>5. <a href="http://www.nsta.org">www.nsta.org</a></td>
<td>National Science Teachers Association</td>
<td>Site provides links to trade books (K-12) on science topics selected for accuracy and appropriateness and offers lesson plans.</td>
</tr>
<tr>
<td>6. <a href="http://www.socialstudies.org">www.socialstudies.org</a></td>
<td>National Council for the Social Studies</td>
<td>This site links to trade books (K-8) on social studies topics and offers lesson plans.</td>
</tr>
<tr>
<td>7. <a href="http://www.ala.org/Booklinks">www.ala.org/Booklinks</a></td>
<td>American Library Association, online version of the journal Book Links</td>
<td>Site provides comprehensive information for using books in the classroom, including thematic bibliographies with related discussion questions and activities, author and illustrator interviews, and essays.</td>
</tr>
<tr>
<td>9. <a href="http://www.education.wisc.edu/ccbc">www.education.wisc.edu/ccbc</a></td>
<td>The Cooperative Children’s Book Center, The School of Education at the University of Wisconsin-Madison</td>
<td>This site features bibliographies and booklists of recommended books on a wide range of themes and topics.</td>
</tr>
<tr>
<td>10. <a href="http://www.ipl.org">www.ipl.org</a></td>
<td>The Internet Public Library, The School of Information at the University of Michigan</td>
<td>This site provides links to other online sites on visual literacy and picture books.</td>
</tr>
<tr>
<td>11. <a href="http://pbskids.org">http://pbskids.org</a></td>
<td>Public Broadcasting Service</td>
<td>Site offers more than 3000 free lesson plans and activities under the TeacherSource link.</td>
</tr>
</tbody>
</table>

Note: Adapted from Williams & Bauer (2006).
Summary

The focus of this paper was to define cooperative learning as an approach that can be used to increase children’s enjoyment of literature. Goal structures and the elements of cooperative learning were presented and defined based on the Johnson and Johnson model. A summary of research about both areas, cooperative learning and teaching children’s literature, were shared. Examples of children’s literature and multiple resources to draw from were included.

Setting the stage for cooperative learning in a literacy classroom helps students think, speak, and write more clearly, listen more attentively and respectfully to others’ ideas, take turns in conversations, use text to support their ideas, and become more immersed in working together (Wood et al, 2001).

References


National Learning Communities Project (2003). The pedagogy of possibilities: Developmental education, college-level studies, and learning communities. Monograph Series: The Washington Center for Improving the Quality of Undergraduate Education at Evergreen State College in Cooperation with the American Association for Higher Education.


Literature-based instruction is the type of instruction in which authors' original narrative and expository works are used as the core for experiences to support children in developing literacy. The types of activities done with the literature are the natural types of things children and adults would do when reading and responding to any good book. General strategies include: Scaffold Instruction – Give structure, lots of it at first. Take away structure little by little until students can do it by themselves. Cooperative Learning – Students don't mind taking risks in small groups. Structured cooperation involving higher level thinking skills makes a great alternative to the traditional "teacher ask questions as students drool" teaching strategy. Cooperative Learning: Assessing preferred learning styles, 7 random grouping strategies that really work, free download of supporting documents... The grouping strategies for cooperative learning in the classroom presented on this page really DO work. I know this because I've successfully used many of these techniques in my classroom over the years. The benefits of collaborating with peers are plentiful. One obvious benefit, of course, is that the kids themselves get to do the talking INSTEAD of the teacher. And, that can lead to problems occasionally. Cooperative learning is the use of small groups of students working together to increase their personal learning and that of their group members. Students are placed into small groups. The teacher then gives directions and an assignment. The children’s crusader: Colonel Francis W. Parker. Doctoral dissertation, Teachers College, Columbia University, New York. Campbell, K. (2003).