



A Brief Review of Theoretical Underpinnings, Definitions and Typical Configurations of Collaborative Writing

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Abstract

The aim of this paper is to review the underlying concepts, theoretical background, the existing definitions, various forms of collaborative writing normally used in educational settings as well as some sample studies carried out in different contexts. The article begins by providing an epistemological dichotomy of the existing educational paradigms and discusses the positioning of collaborative learning in relation to the dichotomy (transmissional vs. transformative). It then considers how collaborative writing is theoretically backed up by the ideas of Bakhtin (1981), Halliday (1978), and Vygotsky (1978). The review also compares the salient definitions of collaborative writing and critically contrasts various configurations of collaborative writing with regard to the findings of research studies. The article concludes by recommending a few directions for the future research.

Keywords: theoretical background, definitions, forms of collaborative writing

1. Introduction

Zuengler and Miller (2006) acknowledge the existence of conflicting ideologies and different epistemological stances (how knowledge is acquired) in the realm of second language acquisition (SLA). From the epistemological perspective, there have been two major related views which have affected our educational outlooks: *transmissional* and *transformative*. The *transmissional view*, which dominated mainstream education most of twentieth century, is based on the notions “of knowledge as a commodity to be transmitted to learners, and of language as a ‘conduit’ by which this process of transmission occurred” (Gibbons, 2006, pp. 15-16). This approach considers knowledge to be external to the learner and acquired through a variety of activities such as



practicing routines and procedures developed by others. Antithesis of the transmissional epistemological orientation is *transformative* outlook which is staunchly advocated by proponents of constructivism. Unlike the proponents of the transmissional nature of knowledge creation, the constructivists tend to believe in the transformative nature of learning and knowledge construction. Based on the transformative outlook, learners themselves are at the focus of attention and they co-construct meaning through their interpretive interactions in their social environments.

2. Collaborative Writing: Theoretical Underpinnings

The theoretical basis for collaborative writing or writing groups is the notion of collaborative learning which is, in turn, rooted in the social constructivist view of learning and knowledge. Researchers seeing writing as a socio-contextual phenomenon have drawn upon the theoretical frameworks set forth by Bakhtin (1981), Halliday (1978), and Vygotsky (1978). The three theoreticians' common intellectual denominator is seeing language and learning as a process of making meaning and as a social activity.

Based on Vygotsky's (1978) *general genetic law of cultural development*, the transformation of lower forms of thinking (elementary perception, involuntary attention, and natural memory) into higher forms of thinking (comprehension of language, logical reasoning, decision-making, planning, problem solving, etc) takes place as a result of mediation, language being one of the most important tools of the mediation process. Basically, the core of Vygotsky's attention is on "the developmental affordances provided by language" (Lantolf & Thorne, 2006, p. 207). A similar characterization of language has been made by Halliday (1978) as well. Like Vygotsky, Halliday (1978) believes that "*meaning potentials*" are actualized with reference to all the socio-semiotic factors involved in the communication process. Bakhtin believed in the potentials of dialogic interactions. Bakhtin (1986) sees "the unique speech experience of each individual [as being] shaped and developed in continuous and constant interaction with others' individual utterances" (p. 89). For him, language learning is, in fact, an act of appropriation of others' words and utterances.

Assuming such an essential role for social interaction (in the form of conversational activities) is shared by social constructivists, in general, and by those believing in dialogic view of writing and writing pedagogy, in particular. The advocates of dialogic view of writing believe that social conversation has a pivotal role in the planning, production, and revision of texts (Bruffee, 1995). According to this view, oral discourse is essentially the arsenal of ideas as it provides us with the ideas we write about. Hence, the rhetorical modes we use to frame those ideas and even the words and expressions that find their way into our written texts are ultimately appropriated from the conversations that we may happen to have with others.

3. Collaborative Writing: Definitions

A review of pertinent literature reveals that there exist varying conceptions and definitions of collaborative writing. Saunders (1989) makes a distinction between "co-writing" and other forms of collaborative activities such as "co-publishing" and "co-responding". Ede and Lunsford (1990) used the term "group writing" instead of collaborative writing and defined it as any group writing activity performed in collaboration with other persons. It should be mentioned that in their study, planning and revising were done collaboratively, but the drafting was not necessarily carried out collaboratively. Louth, McAllister and McAllister (1993) defined it as "group members interact during the writing process and the group is responsible for the final product" (p. 217). They held the view that group writing should be distinguished from interactive writing and both should be tested as techniques of collaborative writing. Their study showed that the quality of the collaboratively-written essays was similar to that of independently-written ones, but students who worked through collaboration overall produced better post-tests and they seemed to be more satisfied with their achievements than the independent writers. Bosley (as cited in Ede & Lunsford, 1990, p.15) defined collaborative writing as, "two or more people working together to produce one written document in a situation in which a group takes responsibility for having produced the document." More recently, Storch (2011) defined it as "the joint production or the coauthoring of a text by two or more writers" (p. 275). What seems to make her definition distinct from the previous definitions is her accentuation of "joint ownership" and the partners' collaboration throughout the entire writing process. She further commented that "the defining trait of collaborative writing is the joint ownership of the document produced. Thus collaborative writing is distinguished from the group-planning or peer feedback activities that are often manifest as part of the process approach to writing instruction (p.275). In fact, what makes her definition distinct from the previous definitions is her accentuation of "joint ownership" and the partners' collaboration throughout the entire writing process. Putting all the definitions together, one may conclude that



the definition provided by Storch with its focus on the entire writing process sounds more compatible with the non-reductionist nature of postmodern constructivism which underlies collaborative writing.

4. Forms of Collaborative Writing

First and foremost, it should be noted that compared to the volume of research dedicated to the study of the benefits of collaborative work for the spoken discourse, the number of studies investigating the benefits of collaborative work for the written discourse, particularly collaborative writing, is small (Storch, 2005; Storch, & Wigglesworth, 2007). Reviewing through the existing studies in the relevant body of literature, it is revealed that collaborative modality of writing instruction has been carried out within two major different frameworks: writing conferences (teacher-learner) and peer-to-peer collaborative writing.

4.1 Collaborative Writing (Writing Conferences)

Collaborative writing in the framework of writing conferences (groups) can be regarded as one of the most reputed manifestations of social constructivist paradigm in writing pedagogy. Writing conferences have been found to be useful and effective both for teachers and students. According to Ewert (2009), conferences can provide teachers with an opportunity to establish collaborative environments in which the learners find opportunities to participate in their learning about writing. Zamel (1985) substantiated that writing conferences in which students had the opportunity to intensely discuss and interact with their teachers proved to be an effective tool for assisting students in learning to write. Weissberge (2006) holds that conferences provide the teacher with an “unparalleled opportunity to provide targeted, individualized instruction” (p. 261), and because of the provision of “conversational dialogues” (Freedman & Sperling, 1983) with an emphasis on dialogic communication, students capitalize on the scaffolded feedback and develop both text and their writing abilities (J. Williams, 2002). Ferris (2003) and Williams (2004) contend that writing conferences could be an effective tool for responding to learner writing.

Despite the fact that there are certain merits (as mentioned above) for writing conferences, some empirical research examining the actual discourse of writing conferences in L1 classrooms have shown that the potentials of conferences are far from being easily realized because the predominantly teacher-centered nature of the conferences may result in a narrowing of the focus of the conferences. According to Freedman (1987), in the so-called conferences or asymmetrical groups teachers tend to overemphasize low-level concerns such as grammar and mechanics, at the expense of more important issues related to content and ideas. Wong (1988) managed to show that in such conferences teachers tend to adopt an overtly authoritative role, even when students are expert in that particular knowledge domain in question. Also, Ulichny and Watson-Gegeo (1989) showed in their study that teachers impose a dominant interpretive framework in their asymmetrical interactions with the students and often tend to focus on error correction and ignore the opinions and points of view that students express.

Goldstein and Conrad (1990) have taken a step further and have argued that some L2 learners have cultural or social inhibitions about engaging informally with authority figures such as teachers, let alone questioning them, and this can result in students passively and unreflectively incorporating the teacher’s suggestions and comments into their work. For example, according to Bond (1996), as a result of the influence of Confucian ethics or ideological beliefs, Chinese students feel obliged to have respect for authority (e.g. parents and teachers) and they hardly question the authority.

The issue of power relations in the case of writing conferences and the ways it can affect student participation and negotiation of meaning have attracted the attention of some scholars (e.g., Powers, 1993). The symmetrical structure of power distribution is considered so important that even some researchers (Norton & Toohey, 2001) have even raised it as a guarantee for the success of collaborative learning in general and writing conferences in particular. According to them, the symmetry of groups in terms of power relations can have a facilitative effect on the interactional behavior and affective reactions of the peers. This facilitative property could be deemed as one of the reasons behind turning some of language experts to peer-to peer collaborative writing.

4.2 Peer-to-peer Collaborative Writing

A review of related literature shows that peer-to-peer collaborative writing has been carried out within three different frameworks: one-stage, two-stage and three-stage (i.e., entire writing process) collaborative writing. In one-stage collaborative writing, collaboration between the peers is limited to either planning stage (Blanton, 1992), or composing stage (Hirvela, 1999), or revision stage (Williams, 2002). In two-stage collaborative writing, the peers collaborate at two stages of writing process. For example, Davies and Omberg (1987) investigated the effect of collaborative writing at two stages of writing process (planning and revising stages) on



the quality of the text. In three-stage collaborative writing, the three stages of writing process are integrated and collaboration continues during the entire writing process. Given the abundance of peer revision studies (one-stage collaborative writing) in the literature as well as the recent increasing attention of the researchers to the three-stage collaborative writing, a number of relevant research studies are reviewed below.

4.2.1 Peer Revision

Peer revision is a form of collaborative writing in which “students share and comment on drafts of each other’s papers” (Hirvela, 2004, p. 160). According to Hyland and Hyland (2006), peer revision became outstanding in writing instruction as a result of emergence and development of learner-centered approaches, which gave further significance to learner’s voice and role. O'Brien (2004) and Storch (2005) are of the opinion that peer review (revision) has been the most common and frequently practiced way of working in peer groups. O'Brien (2004) further asserts that most of the research into collaborative writing has addressed the revision stage of the writing process.

Liu and Hansen (2002) support the use of peer response (peer revision) with regard to learning potentials afforded by the collaborative nature of the practice. They argue that peer revision is anchored in and supported by the four theoretical stances: process writing, collaborative writing, Vygotskian perspective and interactionist theories of L2 acquisition. Hirvela (1999) supports the use of peer response as in peer feedback the learners capitalize on the dialogic and collaborative resources and complete tasks that they could not do on their own. By the same token, Hyland and Hyland (2006) emphasize the role of peer feedback in occurrence of interactional modifications which in turn could make acquisition possible by making input available and comprehensible for learners. They also argue that peer feedback can provide learners with some opportunities for practice, for testing hypotheses about language use against peers’ responses, as well as for revising and writing in response to peer feedback.

Results from L2 research suggest that peer revision can play a positive role in writing instruction: (a) peer revision may positively affect the quality of the text (Hedgcock and Lefkowitz, 1992); (b) it can encourage collaborative dialogue in which two-way feedback is established (Grabe & Kaplan, 1996; Rollinson, 2005); (d) it could be cognitively beneficial to the students through articulation of explanations between the peers during peer revision (Wooley, 2007); (e) engaging in peer revision can also enhance students’ communicative power by encouraging students to express and negotiate their ideas (Mendonca & Johnson, 1994); (f) peer response activities could also boost students’ confidence and reduce their apprehension by allowing them to see peers’ strengths and weaknesses in writing (Leki, 1990). (f) peer revision makes it possible for the learners to be exposed to a variety of writing styles (Berg, 1999; Mendonca & Johnson, 1994).

Some Studies have particularly addressed the effect of peer revision on text quality. For instance, Hedgcock and Lefkowitz (1992) found that the total scores for the essays of those EFL university students who were involved in peer- revision sessions were higher than the total scores of the students who received only written feedback from teachers. Whereas in peer-revised essays the content, vocabulary and organization were better, in teacher-directed revised papers the grammar and mechanics fronts had higher scores. Villamil and Guerrero (1998) ascribed the longer second drafts produced by 54 ESL students to their being involved in peer revision sessions. Berg (1999) added the variable of training to the peer revision. He compared the quality of the written texts of ESL students who had had training in how to participate in peer response groups with the texts of those who had had no such training. The study found that the trained group made higher-quality revisions, more meaning changes and fewer surface changes than the untrained group.

However, despite the sample benefits cited above and many other advantages noted by other researchers, the idea of peer revision has substantially been criticized by a number of scholars. Rollinson (2005) stated that:

Although both research and practice have generally supported the use of peer feedback activities in ESL and L2 writing classes, many teachers (and most students) are less than convinced of its usefulness in their own particular situation (p. 23).

Topping (2001) points out that the implementation of the practice could be frustrating because the existing collaborative writing models lack structured guidelines for students to follow. Liu and Hansen (2002) claim that uncertainty concerning peers’ comments, lack of learner investment, superficial comments due to time limitations, and inappropriate interactions in commenting on peers’ drafts are the four recurring reservations concerning the use of peer response activities in the teaching of L2 composition. Also, many research studies (Fury, 2004; Mangelsdorf, 1992; Mendonca & Johnson, 1994; Mooney, 2004) have found that learners only



selectively approach the comments that are mentioned by their peers. According to these researchers, the learners in their studies tended to depend more on their own or their teachers' knowledge rather than the feedback provided by their peers. For example, Manglesdorf (1992) who conducted a study on Asian learners attributes the tendency of the learners to look down on the peer feedback to the effect of teacher-centered culture.

One of the most accentuated drawbacks of peer reviews recorded in the literature is that since students review each other's finished written product (text), the focus is on the product of writing rather than the process of writing. In L2 context some scholars (Lockhart & Ng, 1995; Nelson & Carson, 1998; Villamil & Guerrero, 1996) have shown that when L2 learners are asked to do peer revision, they tend to focus on word and at best sentence level. Leki (1990) states that students sometimes focus too heavily on "surface concerns" (p. 9), or editing, neglecting larger revising issues. Hirvela (1999) points out that when assistance is postponed to the last stage (i.e., revision stage) the writers are left to their own devices when making important decisions about their text.

A number of scholars (e.g., Daiute, 1986; Storch, 2011; Wells, Chang and Maher, 1990) argue that students should collaborate throughout the writing process, and collaboration should not be confined to the final stage of writing, but rather the students should have joint responsibility throughout the stages: brainstorming, composing and revising. This sense of joint responsibility may indeed promote a sense of co-ownership. Weissberg (2006) is of the opinion that "engaging students in dialogue about their writings can allow them more opportunity, not only to clarify and defend their meanings, but also build a greater sense of ownership over their texts" (p.74). Hence, this sense of joint responsibility and "positive interdependence" (Jacobs, 2004) among the collaborators encourages them to contribute to decision making on all aspects of writing: content, structure, and language. Ede and Lunsford (1990) refers to this as a singular text/plural authors approach.

4.2.2 Collaboration during the Entire Writing Process

Some studies also have been carried out to show the effect of collaborative writing over the entire writing process on students' text quality. Storch (1999) compared individual and pair performance of his students on a range of grammar-focused exercises, including a short composition. The results of the study indicated that the collaboratively-completed exercises were generally more accurate than the tasks when the same participants completed the tasks individually. In a cross-sectional study, Kuiken and Vedder (2002) investigated the role of group interaction in L2 writing. Their study aimed to test the hypothesis that "text quality in L2 is positively affected by collaborative dialogue: when learners are given the opportunity to reconstruct together a text, which has been read to them by the teacher, their joint product will be better than an individual reconstruction" (p. 169). The study was conducted among 40 Dutch, English and Italian as second language students with an intermediate level of proficiency. The focus of the study was on syntactic and lexical quality of text produced by the learners when they interacted with each other. Moreover, they looked into "the kind of grammatical and lexical strategies which L2 learners use while being engaged in a collaborative writing activity" (170). The results of the study showed that there was a strong relationship between interaction among the group members on metalinguistic awareness and the quality of the text they produced.

Storch (2005) investigated the writing produced by two groups of students with fairly advanced level of English proficiency. The participants were 23 ESL students who were completing degree courses at a large university in Australia. They were given the chance to work on a writing task individually or in pairs. Eighteen students chose to work in pairs, and five opted to work individually. The study showed that the students working in pairs produced shorter but more syntactically complex and grammatically accurate texts than the texts produced by students of the other group who had done the task individually. Furthermore, the jointly-produced texts had a better structure and clearer focus, which was interpreted as an indication of the students' competence enhancement in task fulfillment. However, the differences were not deemed statistically significant due to the small-scale nature of the study.

In a similar study, Storch and Wigglesworth (2007) made a comparison between the writings of pairs and individuals working on the same writing tasks. The data were collected from 72 postgraduate students with an advanced level of English proficiency at a university in Australia. Of 72 participants, 24 performed the two writing tasks individually and 48 (24 pairs) completed the same two writing tasks in pairs. The results obtained for this study was similar to the results of Storch's study in 2005: pairs produced texts with greater accuracy than individual writers.

Wigglesworth and Storch (2009) conducted a large-scale experimental study among advanced ESL learners. They compared texts produced by 48 pairs with texts produced by 48 learners working individually. The



investigators found that there were no statistically significant differences between the jointly-written and individually-produced texts in terms of fluency and complexity. However, the texts produced by the pairs were more accurate than the texts produced by the individuals.

More recently, Shehadeh (2011) investigated the effectiveness of collaborative writing and students' perceptions of collaborative writing in two intact English classes, consisting of 18 students (experimental group) and 20 students (control group). The results of the study showed that collaborative writing had an overall significant effect on students' L2 writing. The effect was specifically significant for content, organization, and vocabulary, but not for grammar or mechanics.

5. Concluding Remarks

Overall, the above reviews show that a majority of research studies investigating the effects of collaborative writing have been mainly focused on peer response activities, and the small number of the studies (Kuiken & Vedder, 2002; Storch, 1999, 2005; Storch, & Wigglesworth, 2007; Wigglesworth & Storch, 2009) on the collaborative writing (entire writing process) that exist in the literature have mostly ventured a comparison between the quality of jointly-produced texts vis-à-vis individually-produced texts. Thus, the eventual effect of collaborative writing on the quality of individual writing has yet to be investigated. Furthermore, the effect of collaborative writing on the quality of individual L2 writing among EFL vs. ESL learners, male vs. female L2 learners (i.e., gender effect), and the role that different genre types (e.g., descriptive, argumentative) could play in the collaborative performance of the collaborators are some of the possible avenues for the future research, to name a few.

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