**Organizational Change in a School Reflecting a Perception of Values:**

**An educational vision for institutionalizing a culture of caring**

**Abstract**

The present study examines how perceptual and organizational changes in an educational system can establish a culture of commitment, responsibility, and caring. We examine a case study of an elementary school in Israel that established such a culture. Data were collected primarily through semi-structured in-depth interviews with 15 staff members, 10 parents of students, and 10 students, supplemented by observations and collected documents. Findings were analyzed according to a case study approach based on a qualitative-phenomenological methodology. Two main themes emerged: a leadership strategy prioritizing the wellbeing of organization members, and development of values-based caring behaviors. Findings are discussed in the context of three phases of organizational change: initiation, implementation, and institutionalization. In the initiation phase, the school principal set goals supporting staff members’ emotional wellbeing and responding to their needs. The implementation phase involved modifying the staff members’ approach and incorporating professional processes in line with the vision and policy. In the institutionalization phase, a “positive spin” was implemented and accepted by the organization’s members, creating a culture of caring, which was larger than the sum of its parts. This study contributes to knowledge of how a positive organizational culture can be created at a school. This culture does not depend on the innate goodness of the individuals in it, but is created through integration of new approaches and principles.

**Introduction**

Over the years, politicians and educational policymakers have proposed various reforms to improve the development of change processes in schools. However, change is a complex and difficult process, and the natural tendency of people and of organizational systems is to avoid change as much as possible (Oplatka, 2015). Moreover, teachers are accustomed to using certain methods; many challenges arise when seeking to correct and modify these methods, and encourage teachers to utilize new, needs-appropriate ways of learning and teaching.

Cultural, social, organizational, and psychological barriers to change include: the great complexity involved in the change itself; teachers’ conservatism and resistance to change; poor management of change processes; gaps between policymakers and the educational world; differences in perceptions of responsibility, required outputs, indices of productivity, and more. Furthermore, there is a gap between the “desirable” or “correct” educational approach teachers are asked to follow, and the nature of schools and the teaching profession, which limits teachers’ autonomy and thus their ability to use flexibility and creativity as the basis for education (Nir, 2017). The educational system therefore faces a reality in which it is difficult for it to institute processes of change. It has continued to operate in a similar manner for many generations, despite the numerous publicly- and privately-funded reforms and efforts to establish management systems to improve the system (Cuban, 2013; Yılmaz & Kılıçoğlu, 2013).

**An Optimal Educational Environment**

In the professional literature, there are many theories regarding the impact of a positive environment on the optimal development of individuals. Rogers (1969) argued that an environment allowing for positive interactions will influence individuals’ perceptions of the “self” and provide opportunities for adaptation, self-fulfillment, freedom of choice, self-expression, and manifestation of their personal skills. Similarly, Buber (1947) referred to an environment in which I-Thou relationships are based on connection, respect, addressing needs, and positive dialogue, which allow for a sense of wellbeing, development, and growth. Ryan and Deci’s theory of self-determination (2000) emphasizes the universal tendency of individuals to develop their inherent potential in an environment that provides for three needs: competence, autonomy, and relatedness. These allow for optimal functioning, personal growth, integration, social development, intrinsic motivation, and a sense of optimal wellbeing. Recent approaches in the fields of positive criminology and positive psychology also refer to positive environmental conditions that enable individuals to utilize their internal strengths to cope with difficulties and barriers, and to achieve higher physical endurance, longer life expectancy, greater success in life, and a sense of self-fulfillment (Ronel & Elisha, 2010; Seligman, 2019).

A school’s climate is defined by the subjective perceptions held by each individual in the school towards its culture, atmosphere, processes, and accepted behaviors. It is a significant factor in influencing individuals’ sense of belonging, self-esteem, and behavior (Zullig et al., 2010). Thus, a school climate characterized by openness, team spirit, involvement, satisfaction, sense of belonging, and viewing work as a positive challenge offers individuals positive experiences that contribute to their emotional wellbeing, reciprocal social support, self-confidence, motivation for learning, social engagement, and creative activity (Kutsyuruba et al., 2015).

**An Organizational Culture of Caring and its Implications**

The organizational culture of a school is defined as the set of explicit and implicit assumptions, expressions, symbols, values, beliefs, and social conventions shared by participants in various segments of the organization (Glisson & James, 2002; Samuel, 1990). According to Tzafroni (2008), an organization’s degree of effectiveness and success is determined by three variables: adaptation to the needs of a changing environment; organizational strength, as expressed in full alignment between the organization’s declared values and their realization; and partnership and integration of the organizational culture at all levels, without creating subcultures. These variables affect the organization’s ability to delineate a direction, sense of meaning, and purpose to its members. Another significant factor that determines the nature of the organization is the type of paradigm that exists within it. The prevalent paradigm tends to focus on the weaknesses and shortcomings of the organization. A positive paradigm, in contrast, creates an organizational culture that enables its members to develop their strengths and offers a sense of community, mutual connection, sense of meaning, purpose, and wellbeing (Karakas, 2010). This paradigm also fosters positive processes and components such as higher levels of job satisfaction, motivation, and ability to perform the job (Arifin, 2015). Further, it explores and identifies driving forces and ways in which individuals, teams, and organizations can grow, thrive, and develop their strengths to reach a high level of achievement (Stephan et al., 2016; Tzafroni, 2006).

A positive culture at a school is based on prosocial and democratic values that are manifested, in practice, at the school. Such a culture is based on communication and ongoing dialogue between people in all parts of the educational institution, setting common goals, and responding to the cultural and social needs of its diverse student population (Gay, 2018). One component of this culture is empathic education, which emphasizes sensitivity and caring and is expressed through teaching methods, interpersonal relationships, and methods of assessment that respect the individuality of each child (Oplatka, 2017; Rogers, 1977). Noddings (2008; 2010) defined caring as making a commitment to and taking responsibility for responding, in a practical and beneficial way, to the legitimate needs of others, while paying attention to and emphasizing the emotions and content that will help individuals develop and realize their potential. Caring is expressed in empathic behavior, acceptance and inclusion of differences, trust, respectful interpersonal relationships, sensitive and empowering dialogue, satisfaction of needs, and more. Many theories declare the importance of caring to individuals’ optimal development and emotional wellbeing. Accordingly, a “culture of caring” in a school is a value-based educational policy with a positive worldview that prioritizes interpersonal relations and offers opportunities to help shape the individual towards values and caring (Laor & Cohen, 1993). Such a culture is present through the system, encompassing the organizational structure and strategies, and includes a clear commitment to the norms and values of justice, empathy, dialogue, consideration, and opportunities to take responsibility and perform acts of caring (Kaplan & Danino, 2002).

Previous studies have demonstrated the positive consequences of caring-based interventions in educational systems. For example, it was found that creation of a “caring community of learners” as part of a child development intervention program implemented in elementary schools was correlated with positive outcomes, including a strong sense of community among students and greater consideration for others. In turn, these outcomes were found to be associated with positive attitudes and feelings towards school and learning, intrinsic motivation, social values and opinions, problem-solving skills, social adaptation, reduction of behavioral problems, and more (Solomon et al., 2000). Similarly, it has been found that implementing caring-based programs in elementary schools contributes to reducing violence, promoting mutual consideration among students without suppressing autonomy, and the internalization of caring values among teachers (Assor et al., 2018).

**Purpose of the Current Study**

As mentioned, the implementation of educational reforms among school staff is difficult and complex; such reforms often fall short of success. Therefore, the current study examines a school that successfully initiated and implemented a systemic and comprehensive change, using its own internal resources. Specifically, the study sheds light on the components that were in place at this school, which enabled them to initiate processes in the organization that produced a culture of caring, which is beneficial to all its members. To this end, the present study examined the views, processes, and working methods at the school, and their impact.

**Methodology**

**Research Methods**

The current research was conducted according to a case study approach, based on the qualitative-phenomenological methodology. This methodology allows for research into real-world situations, with a process that is not limited by conditions of control and inspection, but which is comprehensive, rich, and in-depth, and which offers a setting appropriate for the educational system (Patton, 1990). The researchers’ presence at the research site is not that of a neutral observer. Rather, the researchers have practical and personal knowledge that influences the way they absorb and interpret the observed phenomena (Zabar Ben-Yehoshua, 1995).

**Research Participants**

This study took place at the Weizmann State Elementary School in Herzliya, Israel. This school was chosen as the case study due to the first author’s prior acquaintance with it as having a positive and beneficial organizational culture. The school’s student population is diverse and includes, among others, at-risk children, students studying in special education classes, and students with special needs who are integrated into regular classes. The staff members are also part of a heterogenous socio-cultural fabric: veterans and newcomers, from various religious streams, of varied ages, from diverse socioeconomic status, and from different cultures. The school operates according to a special pedagogical concept aimed at fulfilling the differential needs of students. It conducts individual and organizational processes to advance students, engages in enrichment and development activities for the staff members, has a well-maintained physical environment, and fosters relationships with parents and the community. The school’s educational approach has been presented at various conferences, and delegations from Israel and abroad have visited the school in order to learn about the processes and projects it carries out.

The study population was selected using intentional sampling of representatives from three groups: staff members, parents of students, and students. The study population consisted of 35 participants. This included 15 staff members in varying roles: the school principal, the school counselor, six classroom teachers working in various grades, two teachers of specialized subjects, a teaching assistant, the head of the afternoon program, the coordinator of advanced education, the coordinator of special education, and the school secretary. The study population also included 10 parents of students attending the school and 10 students.

**Research Tools**

The primary research tool was semi-structured in-depth interviews, adapted to each of the groups of participants. The interviews were conducted based on a written interview guide with open-ended questions, addressing in detail the topics related to the purpose of the study. The wording and order of the questions was not predetermined (Zabar Ben-Yehoshua, 1995). The interviews were conducted in a flexible manner, so that each interviewee could choose to focus and expand upon topics or areas that he or she found interesting and wished to address in greater detail. Thus, the narratives emerged from a personal perspective based on the meaning the interviewees attributed to their experience (Shakedi, 2003).

The secondary research tools included observations of study participants, and collection of personal and organizational documents. Observations of participants were conducted during a variety of school activities such as plenary sessions, seminars, professional staff meetings, lessons, breaks between classes, parent meetings, and training sessions for parents. Relevant personal and organizational documents (e.g., minutes of meetings, students’ personal files, letters of appreciation about the school, and data on school efficiency and growth indices) were accessed in order to understand the organizational culture being studied and to expand the database for analysis and interpretation of the findings.

**Research Procedure**

First, approval was obtained from the Office of the Chief Scientist and from participants' parents. The research population was then selected by the first author, in consultation with the school’s management team. This was done through intentional sampling to achieve, to the greatest extent possible, interviewees who hold a variety of opinions, who come from various cultural backgrounds, and who were motivated to participate. The location of the interview was determined according to each participant’s convenience.

Each interview session opened with an explanation of the objective and process of the research. Participants all signed an informed consent and were assured that the research would comply with the rules of ethics and confidentiality. The interviews were recorded and notes were taken; the interviews were later transcribed. The data that emerged from the observations of the participants and the collected documents were recorded in a protocol or as detailed field lists to which comments and insights were added.

**Data Analysis**

Qualitative content analysis was applied to the raw data, in order to locate the key themes in the findings. According to this approach, the researcher attempts to reveal the interviewees’ worldviews and practical knowledge and to rely on this for the data analysis (Connelly & Clandinin, 1994). Analysis is based on an integrative method, which allows the researcher to maintain the scientific and systematic nature of the research, while referring to the unique world of each of the participants (Shakedi, 2003). Accordingly, in the current study, the data analysis process used the content analysis model proposed by Shakedi (2003), which identifies themes and “super-categories” which are arranged into a narrative in the written research report.

**Validity, Reliability, and Prevention of Bias in the Research**

The fact that the lead researcher is a former staff member of the organization under investigation raises questions regarding her involvement as an “insider researcher.” Thus, a number of processes were carried out in order to achieve a high level of internal validity and to maintain reliability: extended involvement of over ten months in the arena under investigation; triangulation; conducting interviews with three groups of participants with diverse characteristics; and use of observation and document analysis as secondary research tools.

Furthermore, participants were invited to discuss any difficulties during their interview, to allow them to critique underlying and prior assumptions held by the researcher. The data were disclosed to the interviewees so they could correct or re-address the findings presented. The second author served as an external reader in the collection and analysis of the data. Other aspects that helped prevent bias were the documentation and preservation of internal and external documents, recording and transcription of interviews, and comments written during the observations.

**Professional Ethics**

The study received approval from the Institutional Committee of Bar Ilan University, and from the Chief Scientist from Israel’s Ministry of Education. Data collection was done with sensitivity, maintaining proper boundaries, respecting confidentiality, obtaining informed consent, and adhering to all required rules of ethics.

**Results**

The findings of the study addressed the perceptions, principles, and ways of working in the school that enabled change in the realms of beliefs, behavior, and emotions. The findings also address the implications of the organizational culture for the individuals within it. The main findings from the interviews and the secondary research tools will be presented using two key themes that emerged from the data analysis: a managerial strategy that prioritizes the wellbeing of individuals in the organization, and establishing values-based caring behaviors.

**1. Managerial Strategy that Prioritizes the Wellbeing of Individuals in the Organization**

The study found that the approach of the school principal (referred to here as “S*.*”) and accordingly, the organization’s existing policy, places central importance on the staff and their needs. This approach is based on the premise that in order for teachers and other school officials to fulfill their duties and succeed in their work with students, the principal must give teachers a place “a quarter of a step above” the students. That is, if staff members feel satisfied, that their needs are being met, feel they are significant in the organization, and that they are developing, they will succeed in their work, even with the most challenging children. To support this approach, the school has prioritized various learning processes intended to give the staff members a sense of wellbeing by responding optimally to their personal and professional needs. This is done through open dialogue, processes of empowerment, partnership and involvement, professional development, and peer support, as detailed below.

One of the principal’s leadership qualities that received great professional appreciation from all parties was her ability to have an open, accepting, respectful, and beneficial dialogue with staff members, parents, and students, even when it included criticism or a request that a decision be changed. As the organization’s leader, S. provided information, offered guidance, consulted with others, supported them, and enabled them to raise objections and give constructive criticism, while setting boundaries whenever the discourse harmed the organizational vision. As a result, staff members reported positive feelings such as wellbeing, acceptance, inclusion, empowerment, trust and confidence.

*“The staff is not quiet or submissive. They say what they think. Teachers dare to speak. They know she will not hurt them. They are not afraid to tell her things. ... She listens to the end and says: ‘Let’s look at ourselves again’ ... There is openness. If I do not tell her what I think, it would be considered being negligent. I feel open and confident enough to tell her what I think.”*

In addition, staff members’ sense of empowerment was a significant component in their sense of wellbeing and was perceived as a response to their needs. The interviews indicated that empowerment took place in a variety of ways, such as encouraging their leadership of individual and system-wide projects and initiatives, as well as offering visibility and transparency regarding successes.

*“I brought a teacher who was in a difficult personal crisis to a better place, on a personal and professional level. She flourished. Despite her endless struggles and the impossible trials that the staff put her through, she brought us to a place of excelling in mathematics.” -- The principal, S.*

*“S. takes people on the staff who are weak professionally and gives them a place, a home, a purpose, guides them. She empowers people that no one else thought could go so far.”*

*“Her belief in individuals and their ability to advance, identifying their personal and professional qualities, has given all staff members the opportunity to grow...”*

*“S. reached out to me and said, ‘You have a lot to contribute, but I’m not seeing it.’ She offered me a role that is ‘me’. I am more comfortable when others take responsibility, but she asked, and I could not refuse her.”*

The reports indicate that this sense of empowerment led to an increased sense of trust in the principal, commitment to the organization’s values, motivation for action and involvement, self-efficacy, satisfaction, and enjoyment of work. Moreover, these feelings were reported as motivating the staff members to lead a similar empowerment process with their students and the parents:

*“It’s like a snowball effect. You get carried away and empower others, and suddenly you see things differently.”*

The current study also examined how staff members’ needs were met by encouraging them to be partners in system-wide processes. For example, staff members were encouraged to be involved in making budgetary decisions for the organization, to help integrate new employees, to join committees addressing issues on the daily agenda, to help choose professional training courses, and more.

*“S. gives people choices, allows them to take responsibility and see the big picture. She doesn’t do things instead of them but opens up opportunities, conveys her trust. Anyone who wants to be on a leadership team, can. It’s a choice.”*

The study also found that professionals from outside the organization who are not employees of the Ministry of Education but who work in the school, such as assistants for special needs students and paramedical professionals, are perceived as full partners and as an integral part of the staff. They are invited to professional and social meetings, school seminars, and even take part in teachers’ committees. Participants reported that this sense of partnership enabled the development of a professional, committed, and empowered workforce that promotes the school and reduces resistance to change among its members. Alongside the professional empowerment, on the personal level, this partnership was reported as providing a sense of satisfaction, appreciation, capability, motivation, strengthening the interpersonal connection, and improving individuals’ sense of belonging to the organization.

In addition, the findings show that the school promotes a lifestyle of ongoing learning and professional development for all staff members in various areas relevant to the promotion of the educational approach, such as: learning disabilities, life skills, diversity, adapted learning, at-risk children, differential learning, alternative means of assessment, and more. The staff members reported that this promotes interpersonal communication, contributes to a positive atmosphere, and instils optimal perceptions and supportive processes in the organization. It was also reported that there is peer support among the staff members and assistance from various professionals in accordance with their emerging needs in terms of working with the students. Support is provided individually or systemically. It may be focused and structured, or spread throughout the year. This style of work was noted in the interviews as a significant factor contributing to professionalism and strengthening the staff both professionally and personally. The intuitive work of the staff has been replaced by inter-departmental meetings in which professionals from the various fields are involved, such as the principal, school psychologist, educators, and classroom assistants. Meetings are scheduled as needed, with professionals from outside the school who work with the students, such as: social workers, a psychologist from a home for battered women, representatives from mental health institutes, and more. These expanded team meetings were reported as helpful to the staff in terms of achieving comprehensive and thorough thought processes, coming up with new ideas, assisting and monitoring the implementation of these ideas, establishing a common language among all professionals and developing a joint, interdisciplinary work plan. Mutual support and assistance were reported as keys to the staff members’ sense of belonging, capability, satisfaction, and job enjoyment.

*“They don’t say ‘we know best’. They’re always ready to learn, like a bottomless pit. They don’t wait until there are fires to put out or an emergency. People sit together and meet in the evenings. The meetings are more in-depth, not time-bound. Meetings about children are not just to check things off a list. Not all leaders have the ability to go into a level of deep analysis. S. has the patience and the therapeutic and professional vision to sit with the staff.”*

*“There is no way that someone asks for help and is refused. The teachers call each other, encourage, work together. Everything is accessible. The doors are open for any deliberation. There is a feeling that you’re not alone."*

*"There’s a sense of togetherness that’s created. There’s a sense that there is someone to talk to ... It is legitimate to say ‘this is difficult for me’ without feeling any sense of failure.”*

Another issue raised is that the school is a dynamic system, which continually adapts to the changing reality and the needs of the staff, through the development of processes and procedures that provide an optimal environment for everyone in the organization.

*“The smoking habit of some staff members was a real problem. For years, they would take a break in a separate room, off to the side. As part of the school’s policy of meeting people’s needs, we realized we needed to think of a better solution. In the end, we decided that we would allocate a budget for the construction of a clear, sealed glass partition inside the teachers’ room. That way, the group of smokers could also be included. This is true for everyone.”*

It seems that the organization’s intention to create an optimal environment for the staff greatly contributed to the sense of social cohesion. Despite the various social and professional sub-groups within the staff, participants reported that there was a positive atmosphere among them. They had friendly interactions outside working hours, such as recreational days, birthday celebrations, and trips within Israel and abroad, including a trip abroad in which over 25 staff members participated. The staff members described their relationship as family-like. They shared personal issues such as a child’s bout with cancer, a difficult financial situation, a spouse’s unemployment, and same-sex relationships. As a result, the organization was reported to provide its employees with group support, belonging, and strength.

*“I did not want my mother to be buried in the afternoon because I knew the staff had advanced training courses. I wanted all the teachers to be with me.”*

*“School is like a miracle drug for me. It’s addictive, the love not only of the children but of the staff, who welcome me. I come to the teachers’ room earlier to meet up, talk. Only afterwards, I enter the classroom ... There’s something special about the staff, who are so giving of themselves, and the welcoming atmosphere. These things are not talked about, they are understood as a given.”*

Furthermore, participants reported that the students were aware of the positive relationship among the staff members, and that this also affects and improves the relationships among the students. The staff’s strong sense of commitment to the organization, and its leadership and principles, was described as being driven by a high degree of intrinsic motivation that goes beyond the formal job definition, and which contributes to the staff’s sense of wellbeing.

*“The standards at the school have changed. There isn’t anyone who does nothing. It is impossible not to do anything. There is no situation in which people do not get involved, each to their own ability, and not because they are asked.”*

*“I come in on my days off. I don’t feel like a pushover, I feel it is my choice. I come because the meeting is important to me. I will come if the assistant cannot, because I can’t leave the class alone. I am willing to do everything for the school, without making an accounting. I feel very connected to the school, so I do things whether I am rewarded for them or not.”*

*“To feel involved, to give of yourself, to feel that you are part of the action, means feeling that you belong.”*

*“I do it for the children and also for myself. In [the Hebrew word for] commitment [‘mehuyavut’], there is the word ‘obligation’ [‘hova’]. I do not like that. I* want *to be here. I love what I do. I feel complete. Even when it is difficult, I consider that a challenge.”*

**2. Establishing Values-Based Caring Behaviors**

The study found that members of the studied organization demonstrate caring behavior that is characterized by mutual help and concern and is a values-based approach. This is seen as a priority not only regarding the relations among the staff members, but for relations among all populations who are relevant to the organization: relations between the staff and parents, between staff and students, among the students, between parents and the school, and between the school and the community. The caring behavior has been described as reaching all of its members, and allowing for a sense of belonging, satisfaction, and meaning.

*“Even if you aren’t naturally that way, you have no choice. The circle is widening. People see the beautiful things that go on here. There are so many good people. You take that atmosphere home with you. This environment and I, together we create something different. It educated me, taught me how things should be. Everyone is doing something. The large core group attracts the rest.”*

The findings indicate that from the time that S. began in her position as principal, she began initiating processes of change in the organization. As one teacher noted, *“There is a clear line between the leadership before S., and with her.”* In the interviews, staff members described the principal’s ability to lead, influence perceptions, initiate change, and integrate new processes. Staff members described S. as a respectful person with values, and who enables and facilitates dialogue. These qualities made them “follow her through fire and water”. Her confidence in herself and in her chosen path, her confidence in the staff and students, and her position as a role model, all served to strengthen staff members’ confidence and trust in her and in themselves.

*“S. does not force. She does not threaten. Everything is done in a positive and non-stressful atmosphere. She believes so much in the change, that you feel you want to go along with her. She is very soothing, flexible, convincing, so that you cannot say no to her.”*

*“She doesn’t say things out of authority, but from an understanding of what seems obvious.”*

*“I adore her. She is a personal role model in her total commitment. She is very human. This affects our lives, because we know she will be there for us, too. I’d trust her with my eyes closed. ... She cannot be refused. She gives her soul. She does not demand anything from the staff that she does not do herself.”*

*“My child [a student at the school] came in the middle of the session. She stopped, told everyone ‘wait a minute’. He told her some things. She listened, hugged, and kissed him and then he went out.”*

*“The small things create the big picture.”*

The high level of motivation exhibited by S. in promoting the school, her leadership ability, the changes she initiated (such as opening special education classrooms), the appreciation the school has received for its work (for example, in the visits by the Minister of Education, the President of Israel, and professionals from Israel and abroad who came to observe their model) created a change in perception and image at the school. This was reported as contributing to a sense of commitment, satisfaction, pride and appreciation towards the principal and the organization.

Another aspect reported as contributing to the sense of commitment that S. inspired was the professional training courses that helped the staff members connect to the guiding ideology and direction. One example is the “Democracy” training, which was held in the teachers’ room once every two weeks for seven years. The entire staff attended, including the secretarial staff and security guards. The training focused on changing perceptions and integrating positive values into the organization. It enabled a meaningful personal and professional dialogue that created a uniform language among the staff members.

*“A deep commitment to caring does not happen on its own. Everyone must be committed to it. It doesn’t grow itself. It needs to be watered. That is to say, there is no connection between people’s goodness and their choices. To create a caring and egalitarian society, you have to work on your ability to do things better. This is a process that spreads over time and produces a different kind of awareness.”*

*“The training provides an opportunity for the staff members to have an intimate and open dialogue, and to address, through personal experience and introspection, democratic values ​​such as: freedom, rights, majority-minority relations, acceptance of differences, fairness, and gender equality. It is impossible to go through interpersonal processes without internal, personal insights ... An example of such a process was a meeting about new immigrants: how they were doing as new immigrants, what they received, what they bring with them, their relationship to their children. This reconstructs feelings, and allows for different types of thinking.”*

According to participants’ reports, this value-based approach, based on caring and concern for others, has been systematically integrated into all layers of the organization. Thus, it is expressed in strong feelings of mutual support among *staff members*, as in their statements:

*“I was with the class on an annual [sleepaway] trip, and my mother was hospitalized that night. In the morning, a taxi was waiting for me, out there in the field. It cost the school a lot of money, just to take me to the hospital.”*

*“One of the teachers was with her husband in the hospital during summer vacation. We raised money for her children to go to summer camps.”*

*“When the son of one of the teachers fell ill, they were in a difficult situation. The school discreetly sent them parcels of food. We raised money to buy clothes, to get a more comfortable bed for her ill child.”*

Throughout the interviews, the staff members’ care for *the students* was also apparent. They described the child’s emotional wellbeing as a necessary, central, preliminary condition for learning. That is, there was a perception that an effective learning process is not possible as long as a student is troubled by unmet needs at home, especially basic needs. Therefore, the staff members took action to satisfy these needs, even though this is not defined as one of the stated roles of the educational organization. It was also reported that in cases in which a student’s parents have difficulty functioning, the staff feels strongly committed, like a family, and the perception of their responsibility is expanded. Many examples of this came up in interviews. Various teachers said they make sandwiches for students at home, call to wake students for school, check up on students during vacation, take students to mental healthcare sessions, and offer free private lessons. The school, in collaboration with the parents’ committee, assists children who need glasses, shoes, furniture, and more.

*“There is no limit to our involvement. We will not go to sleep if we know that families have nothing to eat. The means are there, you just need the will. If the home is not a supportive environment for the child, the school will provide it for him.”*

*“The girl [a student] knows that she can ask. She knows she doesn’t have to stay hungry. She trusts that this place will provide for her basic need for food. The children are not ashamed. We do not label them. Other children also take food, if they forget their lunch at home. The giving is done discreetly, with respect for the parents and child.”*

The care and concern expressed by the staff members created a sense of wellbeing and security among the students, as reported in interviews.

*"They’re like a father and mother. There is someone to worry about me, to give me advice or solutions. When my mother died, the school took care of me. I feel that people at this school love me."*

*"There [at another school] they gave up on me right away, they told me to get out of the school. This is the best school I have been to. The teachers and the kids treat you well, even if you don’t take your medication. Here, they understand you and don’t say 'Go home'*

The findings indicated a consistent and clear intention to encourage caring behavior among *the students* as well. This is done through both structured programs that address values and offer opportunities to implement it in practice, as well as informally and as a way of life. The perception is that when students help each other, they are actually helping themselves. That is, they construct ethical personality patterns that will accompany them along their life paths.

*“In class, it is important for us to help each other, to give. Everyone looks for what he can contribute, his strengths, in painting, on the computer, in drama. One of the kids brought a poster from home that reads: One for all, and all for one.”*

*“One boy never brings food, so I always give some to him. He feels that he has a lot of friends and that everyone cares for and respects him. That’s really nice, I feel that way too. I feel really happy that I’m helping.”*

*“It comes from our own initiative. No one has to tell us. We believe that if you give, you will also receive.”*

Moreover, at this school, there was an expanded perception of responsibility towards *the students’ parents*, who were seen as necessary partners. Interviewees mentioned many examples of respectful and caring behaviors exhibited to meet parents’ particular needs. Staff members visited a student’s home when a baby brother was born. Support for court expenses was provided when the government wanted to deport a child of foreign workers. A teacher held a parents’ meeting at a student’s home when the mother was on maternity leave. A parents’ support group was held on a monthly basis at one of the teacher’s homes. The school accompanied parents to meetings with government authorities, offered mediation and assistance with professionals in the educational or therapeutic system, and more. Parents reported feelings of appreciation and gratitude for the staff members’ concern for them:

*“I was having a hard time with my son, and in general… His teacher called me on her day off. She invited me to come to her house. She was like a mother to me.”*

*“There is a feeling that we are being listened to, that we have a voice and are not ‘just parents.’”*

This behavior of the staff was described as touching and inspiring for the parents, who have become partners in the caring attitude and behavior of the school. Multiple examples of this were raised. One mother volunteered for several hours each week in the secretarial office. A grandfather painted the school walls. Various student welfare projects were organized, such as a movie club, ongoing renovations of the schoolrooms, a breakfast club, making sandwiches for children during breaks, and more. In addition, parents were willing to financially assist needy families by raising donations from people inside and outside the school.

*“I feel like it gets into my soul. It takes over me. The satisfaction is incredible. Once I got ‘infected’, I couldn’t stop, but I really enjoy it. It gives me strength for the next thing, and the next thing. It’s like beneficial bacteria. Once you feel the initial feedback, it is impossible to stop. It has no limit. Doing otherwise becomes impossible. What does it do for me? More than winning a million dollars. A feeling that it is priceless. It is like a drug. It’s addictive. I have no other word for it.”*

Finally, the ripples of caring expand to and resonate with *the community* as well. The findings show that the organization has various programs that encourage altruistic behavior towards the community, such as a weekly program for integrating children with intellectual disabilities, volunteering in nursing homes, tutoring in kindergartens, providing donations and assistance to a shelter for battered women, helping new immigrants and families facing difficult economic conditions, environmental initiatives, and more. In addition, members of the community volunteer and contribute to the school. Alumni and retirees help in the classrooms; a high-tech organization voluntarily runs a social-educational project for at-risk students; a teaching college helps students with learning disabilities, and more.

**Discussion**

The current research examines the perceptions and processes accompanying the approach of an educational organization that utilized its own internal resources to successfully initiate and implement change processes that develop caring behaviors and promote emotional wellbeing for everyone in the organization. The findings indicate two main themes that deepen the understanding of this approach. The first theme pertains to a managerial strategy that prioritizes the wellbeing of the staff and strives to fulfill their needs. The second theme pertains to the development of caring behaviors and the impacts this has across the various layers of the organization. The outcome of these behaviors was that the staff members’ responsibility extended above and beyond traditional roles, out of a deep sense of commitment to the organization’s values.

The study shows the evolution of the school principal’s vision of creating an optimal educational environment that promotes a sense of wellbeing, to the degree that this became an inherent part of the organization’s “DNA”. This process addressed the goals, methods, and patterns of behavior that enabled the emergence of a fundamentally novel policy (Roffey, 2017). According to Bandura’s (1977) model, a significant change process cannot be based solely on external influences and reinforcements. Rather, change requires internal processes of intention and self-control that are supported by internal satisfaction and rewards, motivation, ability to retain information, and opportunities to put ideas into practice. The findings of this study are discussed below with respect to each of the three phases necessary to create a change that permeates an organizational culture: the initiation phase in which the change is planned and launched; the implementation phase in which the change is introduced; and the institutionalization phase, in which the change becomes an integral part of the organization (Oplatka, 2015).

**Initiation Phase**

The school principal is a key figure in everything that happens at the school, and is considered to be the most significant factor in the successful implementation of organizational change (Soini et al., 2016). A principal who focuses on developing a special organizational culture, can promote the trust and sense of identification of the members, and enable the development of norms reflecting the spirit of the place (Willis et al., 2016). According to Bass (1985), a leader with a “transformative” leadership style acts according to an organizational vision that sets out a challenging future goal and sets a high standard for the members of the organization. In order to realize these expectations, the leader must cultivate among the organization’s members a belief in their own self-efficacy through processes of delegating responsibility and authority, development of professional autonomy, and ongoing learning. These processes assist in the integration of values, norms, and behaviors, and shape the desired atmosphere at the school in a way that helps all its members advance and flourish (Diaz-Saenz, 2011). Accordingly, the current study found that the school principal’s leadership ability, management style, and actions as a role model, has contributed greatly to her success in creating a systemic change that creates an optimal atmosphere for all of the organization’s members. It was reported that staff members’ sense of trust in the organization was strengthened by the correspondence between the vision and the organizational policy that the principal outlined.

**Implementation Phase**

The school culture does not depend exclusively on the inherent goodness of its members and their choice to engage in long-term caring behavior. It requires, as one of the teachers on the leadership team pointed out, “consistent work towards improving the staff’s ability to do things better”. In line with this approach, processes were developed in the organization that reinforce the accompanying perceptions. This school offered diverse processes of staff training and learning. Peer learning has been found to strengthen leadership skills, challenge old beliefs, and offer new experiences in topics such as decision making, effective communication, and conflict resolution. Additionally, peer learning contributes to professional development, a sense of commitment, and motivation for change (Zwart et al., 2015). The professional training courses offered at the organization under study were tailored to the needs of the staff, and enabled them to acquire professional and personal knowledge and tools. There was also a learning process related to emotions, values, and social learning, which allowed participants to undergo personal and interpersonal processes by discussing their objections, struggles, and difficulties. Kaplan and Danino (2002) noted that in order to create a caring community in a school, the staff members and leadership must undergo a meaningful process that addresses their attitudes, values, motivations, means of satisfying needs, empathy, and consideration for others. Changing individuals’ behavior involves their internalization and implementation of new ideas and processes. Therefore, a qualitative change can only occur if individuals in the organization do not feel their psychological needs are being threatened, and feel that the change is beneficial to them. In the present study, it was reported that peer learning contributed to strengthening interpersonal communication between staff members, reduced members’ focus on themselves, and expanded their sense of responsibility to others. Moreover, a key perception at this organization is that there is a direct link between the emotional wellbeing of the employees and the achievement of the organization’s goals. One result of this perception is the creation of an optimal and prosocial environment for the staff. When a school system enables employees’ emotions to be addressed and their basic and psychological needs to be met, the organization benefits and becomes more efficient and productive (Zee & Koomen, 2016). Previous studies have reported that teachers with a high level of commitment work harder than those with a low level of commitment and have a tendency to devote more time to achieving the school’s goals, have more willpower to work for its success, and are more likely to “bend the rules” to achieve goals related to value-based educational perceptions (Cheasakul & Varma, 2016). These feelings of commitment enable greater consideration for others, tolerance for disagreement, readiness to accept criticism, and freedom of expression. It gives a sense of meaning, belonging, interdependence, and shared responsibility for group progress (Nelissen et al., 2017).

According to the model of Parke and Buriel (1998), positive behaviors develop in an environment that allows for three conditions: direct learning, experiential learning, and indirect learning through observation and imitation. With respect to *direct learning*, Addad et al. (2008) argued that habituation, conditioning, and learning processes accompanied by reinforcements from the environment are required in order for people to be willing to help and be accepting of others. This is based on the premise that many emotional, social, and value-based skills are acquired, and therefore can be practiced, developed, and perfected (McCabe & Altamura, 2011). The current study findings supported this, in terms of the school’s direct, understandable, and continuous approach to learning, which helps staff members and students deal with conflicts and dilemmas. The component of *experiential learning* is expressed in this organization through the routines of prosocial behaviors developed within the organization and outside it. According to Buber’s dialogical theory (Buber, 1947) relationships that are expressed in a positive connection with others and the person’s environment successfully develop one’s ability to move away from a focus on the self and to create caring, responsible, and committed relationships. It strengthens individuals’ motivation and willingness to continue to behave positively towards others and to perpetuate and internalize the value of giving (Brooms, 2019; Longobardi et al., 2016). Further, Ronel and Segev (2014) asserted that a group of people acting on ethical principles can influence a deviant individual and provide the self-motivation to change. Such a change can occur when the individual is exposed to the suffering of others and given the opportunity to act upon and practice social behaviors that are contrary to an egocentric conception of morality. Finally, the study demonstrated that *indirect learning* processes took place through exposure to a positive environment. This created an indirect model for observing, learning and imitating caring among the various populations: leadership, staff members, students, parents, and the community.

To summarize, we assert that when caring behavior is integrated into the organization, individuals can learn to move away from a focus on the self, through processes that encourage the development of this perspective. This positive feeling, in which the person who is giving to others actually benefits more from this altruistic behavior, relates to the principle of “helper therapy” (Riessman, 1965). Ronel et al. (2015) found that individuals who behave in a caring way towards others experience positive emotions that encourage such behavior, creating a pattern of similar behaviors among people throughout the organization. This positive behavior of individuals reduces the tendency towards selfishness throughout the organization, and creates an educational culture with positive norms and values ​​that is strengthened through its “totality”. As a result, a holistic model is created that is larger than the sum of its parts, and every individual belonging to the organization adapts to it.

**Institutionalization Phase**

The degree to which a culture of caring has been successfully integrated into the organization can be assessed by considering the institutionalization of norms of behavior and social structures as permanent and stable over time and the extent to which these changes become an integral part of the school’s routine activities (Bryk, 2010). At the school investigated in the current study, caring behavior evolved from the proactive behavior of certain individuals towards a general pattern of behavior, driven by intrinsic motivation, reaching all of its members and causing them adopt this type of behavior. Borrowing a concept from the field of criminology, it is possible to understand the process in the organization under investigation as the opposite of the “criminal spin” (Ronel, 2011). The phenomenon of criminal spin describes the process a person undergoes from a committing a first criminal act to adopting a lifestyle of crime or deviant behavior. An individual is driven by a chain of behaviors, perceptions, desires, and emotions that work together, leading to a state in which that person become trapped within the process and loses control over his or her behaviors, feelings, and thoughts (Zemel et al., 2018). A negative spin within a group “infects” other group members, so that the group encourages the negative behavior and increases the involvement of all its members, to the point where the deviation becomes an accepted and legitimate social norm in the group (Ronel, 2011). In contrast, in the organization examined in the present study, it appears that there was an inverse process of “positive spin”. In this type of spin, an individual’s subjective emotional experience also becomes an internal motivating factor, as evidenced by narratives in interviews (e.g., “it gives me strength,” “it’s like beneficial bacteria”). The motivation to act in a caring way was described as “addictive” and “overwhelming,” and by using images such as “getting into the soul”, “like a drug” and “once you feel the initial feedback you can’t stop”. This positive spin allows individuals’ positive behaviors to become part of a system-wide, institutionalized culture based on perceptions, values, and a uniform language. Moreover, as stated above, the study demonstrated that the power and strength of the group is greater and more powerful than the total of the individuals in it. That is, expressions of caring in a school are more effective and efficient when they exist system-wide and as part of an organizational culture, rather than relying on the initiation of individuals. Support for this is seen in the system’s paradigm that holds that in the interaction between the individual and a system, each part, component or individual affects the entire system and is affected by it. Therefore, the empowerment of the individual and the organization are interdependent and mutually empowering components (Erhard, 2008).

Finally, we note that Noddings (2008, 2010) defined two types of caring behavior. The first is natural caring, stemming from a spontaneous emotion of caring and accepting responsibility. The second is ethical caring that is based on a moral code and sense of duty, which result from cognitive decisions. Following this, it seems that the caring culture demonstrated in the case study is not based solely on pure altruism, but rather is based mainly on normative altruism and the perception that this is the correct approach. This also makes it possible to fulfill some of the giver’s own needs, such as: self-efficacy, confidence, sense of capability, empowerment, belonging, ability to change, emotional satisfaction, and meaning. The motivation to act in an ethical and altruistic way grows out of higher stages of morality, originating from a commitment to values that are enshrined in a social covenant. That is, the source of altruism is a desire to ensure that individuals are given their rights and that they receive the proper response to their needs, in a way that serves the good of society as a whole, rather than being driven by the definition of the “official” role of the teacher or staff member.

**Study Limitations**

The current study has a number of limitations. It examines a specific model at one primary school. Therefore, this model may have subjective and unique conditions or variables that cannot be isolated, and which may have influenced the nature of the findings. Another limitation is the inability to assess the change in relation to the previous school culture, or to estimate the future outputs or the long-term institutionalization of the organizational culture. The study does not allow for a comparison between perceptions and behaviors within an organization that does not have an organizational culture such as the one demonstrated in this study.

Due to these constraints, we recommend a longitudinal study that also examines the organization at a later point in time, in order to assess whether the culture has indeed been institutionalized and operates independent of personnel changes in the leadership. In addition, it would be beneficial to re-examine the student population after they graduate, and assess the expected outputs among this population. We also recommend examining the model at another similar educational organization, or, alternatively, in a secondary school with adolescent students, which has goals that prioritize academic achievement.

**Conclusions**

The integration and institutionalization of a culture of caring at the school examined in this study was not based on the degree of inherent goodness among the people who work there. If this were the case, a caring pedagogy would only be manifested in select school environments, reflecting the degree of inherent kindness or altruism of the principals and teachers in those environments. Rather, for the system and the individuals within it, caring is a learned behavior that is strengthened and preserved over time through a process of a “positive spin”. Accordingly, we argue that any prosocial environment with a normative and diverse social fabric has the potential to create, implement, and institutionalize a long-term culture of caring, characterized by commitment to the organization and its values, the benefits of which can be found in professional and research literature and educational practice. The principles that characterize this culture can be learned as an applied model, based on internal strengths, and without the need for exorbitant external economic resources.

**References**

Addad, M., Vignansky, A., & Himi, H. (2008). Being, nothingness, the existential void, and behavior. In D. Yagil, A. Carmi, M. Zaki and A. Livni (Eds.) *Issues in psychology, law and ethics in Israel: Evaluation, treatment and judgment* (pp. 338-387), Tel Aviv, Israel: Provok Publishing.

Arifin, H. M. (2015). The Influence of Competence, Motivation, and Organisational Culture to High School Teacher Job Satisfaction and Performance. *International Education Studies*, *8*(1), 38-45.

Assor, A., Feinberg, O., Kanat-Maymon, Y., & Kaplan, H. (2018). Reducing Violence in Non-controlling Ways: A Change Program Based on Self Determination Theory. *The Journal of Experimental Education*, *86*(2), 195-213.

Bandura, A. (1977). Self-efficacy: Toward a unifying theory of behavioral change. *Psychological Review, 84*, 191-215.

Bass, B. M. (1985). *Leading and Performance beyond Expectation*. Free Press.

Brooms, D. R. (2019). “I was just trying to make it”: Examining urban Black males’ sense of belonging, schooling experiences, and academic success. *Urban Education*, *54*(6), 804-830.

Bryk, A. S. (2010). Organizing schools for improvement. *Phi Delta Kappan*, *91*(7), 23-30.

Buber, M. (1947). The address on education. In Between Man and Man. Collins.Cheasakul, U., & Varma, P. (2016). The influence of passion and empowerment on organizational citizenship behavior of teachers mediated by organizational commitment. *Contaduría y Administración*, *61*(3), 422-440.

Connelly, F.M. & Clandinin, D.J. (1994), Teachers' Personal Practical Knowledge, in Halkes, R. & Olson, J. K. (Eds.) *Teacher Thinking: A New Perspective On* (Persistent Problems in*) Education*. Heirewig, Swets Publishing Services.

Cuban, L. (2013). *Inside the black box of classroom practice: Change without reform in American education*. Harvard Education Press.

Diaz-Saenz, H. R. (2011). Transformational leadership. *The SAGE handbook of leadership*, *5*(1), 299-310.

Erhard, R. (2008). *Hivatz’ut maatzimah: Teoriah v’maaseh*. [Empowering counseling: Theory and practice]. Ramot.

Gay, G. (2018). *Culturally responsive teaching: Theory, research, and practice*. Teachers College Press.

Glisson, C., & James, L. R. (2002). The cross-level effects of culture and climate in human service teams. *Journal of Organizational Behavior*, *23*, 767–794

Kaplan, H., & Danino, M. (2002). Re’iyat ha-shonut ke-etgar mikdam tzmicha bebeit hasefer: Tipuah kehila ekhpatit lema’an talmidim im likuyei lemida [Seeing difference as a growth-promoting challenge in schools: Fostering an empathic community for students with learning disabilities]. *Hayi’utz Ha-hinukhi: Agudat Ha-yoatzim Ha-hinukhiim Ba-aretz [Educational Counseling: Israel’s Association for Educational Counselors]*, *11*, 64-87.

Karakas, F. (2010). Spirituality and performance in organizations: A literature review. *Journal of business ethics*, *94*(1), 89-106.

Kutsyuruba, B., Klinger, D. A., & Hussain, A. (2015). Relationships among school climate, school safety, and student achievement and well‐being: a review of the literature. *Review of Education*, *3*(2), 103-135.

Laor, R., & Cohen, S. (1993). *To live differently: An applied approach to cultivating values and life skills in a community of caring*. Ramot, Israel: Tel Aviv University.

Longobardi, C., Prino, L. E., Marengo, D., & Settanni, M. (2016). Student-teacher relationships as a protective factor for school adjustment during the transition from middle to high school. *Frontiers in psychology*, *7*, 1988-2002.

McCabe, P. C., & Altamura, M. (2011). Empirically valid strategies to improve social and emotional competence of preschool children. *Psychology in the Schools*, *48*(5), 513-540.

Nelissen, P. T., Hülsheger, U. R., van Ruitenbeek, G. M., & Zijlstra, F. R. (2017). Lending a helping hand at work: a multilevel investigation of prosocial motivation, inclusive climate and inclusive behavior. *Journal of occupational rehabilitation*, *27*(3), 467-476.

Nir, A. (2017). *Organizational change in the school: From strategy to institutionalization.* Haifa, Israel: Pardes Publishing.

Noddings, N. (2008). Caring and concern in education: Ways and means. *Echoes in Education, 82*(6), 58-66.

Noddings, N. (2010). Moral education and caring. *Theory and Research in Education*, *8*(2), 145-151.

Oplatka, I. (2015). *Fundamentals of the Minister of Education*. Updated and expanded third edition. Pardes Publishing.

Oplatka, I. (2017). Empathy regulation among Israeli school principals: Expression and suppression of major emotions in educational leadership. *Journal of School Leadership*, *27*(1), 94-118.

Parke, R. D., & Buriel, R. (1998). Socialization in the family: Ethnic and ecological perspectives. In W. Damon, & N. Eisenberg (Eds.), *Handbook of Child Psychology*, *Social, Emotional, and Personality Development*, Wiley, 5th ed., *3,* 463–552.

Patton, M. Q. (1990*). Qualitative evaluation and research methods* (2nd ed.). Thousand Oaks, Sage.

Riessman, F. (1965). The 'Helper Therapy' principle. *Social Work, 10*, 27-32.

Rogers, C. (1969). *Freedom to learn: A view of what education might become.* Charles Merill.

Rogers, C. (1977). *On personal power: Inner strength and its revolutionary impact*. London: Constable & Company Limited.

Roffey, S. (2017). The Aspire Principles and Pedagogy for the Implementation of Social and Emotional Learning and the Development of Whole School Well-Being. *International Journal of Emotional Education*, *9*(2), 59-71.

Ronel, N., Chen, G., & Elisha, E. (2015). Application of positive criminology in Retorno—A Jewish therapeutic community for people with addictions. *Journal of Offender Rehabilitation*, *54*(2), 122-141.

Ronel, N., & Elisha, E. (2010). In a Different Perspective: Introducing Positive Criminology. *International Journal of Offender Therapy and Comparative Criminology, 55*(2), 305-325.

Ronel, N. (2011). Criminal behavior, criminal mind: Being caught in a “criminal spin”. *International Journal of Offender Therapy and Comparative Criminology*, *55*(8), 1208-1233.

Ronel, N., & Segev, D. (2014). Positive criminology in practice. *International journal of offender therapy and comparative criminology*, *58*(11), 1389-1407.

Ryan, R. M. & Deci, E. L. (2000). Self- determination theory and the facilitation of intrinsic motivation, social development and well-being. *American Psychologist, 55*(1), 68-78.

Shakedi, A. (2003). *Milim hamenasot laga’at: Mechkar eichutani teoriah v’yisum.* [Words that try to touch: Qualitative research theory and practice.] Ramot.

Samuel, Y. (1990). *Organizations: Features, structures, processes*. Haifa, Israel: University of Haifa.

Seligman, M. E. (2019). Positive Psychology: A Personal History. *Annual review of clinical psychology*, *15*, 1-23.

Soini, T., Pietarinen, J., & Pyhältö, K. (2016). Leading a school through change–principals’ hands-on leadership strategies in school reform. *School Leadership & Management*, *36*(4), 452-469.

Solomon, D., Battistich, V., Watson, M., Schaps, E., & Lewis, C. (2000). A six-districts study of educational change: Direct and mediated effects of the child development project. *Social Psychology of Education, 4*, 3-51.

Stephan, U., Patterson, M., Kelly, C., & Mair, J. (2016). Organizations driving positive social change: A review and an integrative framework of change processes. *Journal of Management*, *42*(5), 1250-1281.

Tzabar Ben-Yehoshua, N. (1995). *Hamechkar ha’eichuti b’horaah v’limidah.* [Qualitative research in teaching and learning.] Moden.

Tzafroni, A. (2006). Positive organization theory and the management practices derived from it. *Studies in Society in Technology and Science*, *3*, 1-5.

Tzafroni, A. (2008). Organizational culture of the school: Its characteristics and contribution to school effectiveness. *Studies in Education in Society in Technology and Science,* *7*, 3-8.

Willis, C. D., Saul, J., Bevan, H., Scheirer, M. A., Best, A., Greenhalgh, T., ... & Bitz, J. (2016). Sustaining organizational culture change in health systems. *Journal of health organization and management*, *30*(1), 2-30.

Yılmaz, D., & Kılıçoğlu, G. (2013). Resistance to change and ways of reducing resistance in educational organizations. *European journal of research on education*, *1*(1), 14-21.

Zee, M., & Koomen, H. M. (2016). Teacher self-efficacy and its effects on classroom processes, student academic adjustment, and teacher well-being: A synthesis of 40 years of research. *Review of Educational research*, *86*(4), 981-1015.

Zemel, O., Einat, T., & Ronel, N. (2018). Criminal spin, self-control, and desistance from crime among juvenile delinquents: determinism versus free will in a qualitative perspective. *International journal of offender therapy and comparative criminology*, *62*(15), 4739-4757.

Zullig, K. J., Koopman, T. M., Patton, J. M., & Ubbes, V. A. (2010). School climate: Historical review, instrument development, and school assessment. *Journal of psychoeducational assessment*, *28*(2), 139-152.

Zwart, R. C., Korthagen, F. A., & Attema-Noordewier, S. (2015). A strength-based approach to teacher professional development. *Professional development in education*, *41*(3), 579-596.