Implementing School-Wide Positive Behavior Interventions and Supports (SWPBIS) for Early Identification and Prevention of Problem Behaviors in Turkey

Abstract

Early childhood education is critical as children learn essential motor, cognitive, and social skills. Positive behavior interventions and supports is an evidence-based, proactive multilayer systems of support to prevent and address behavioral problems in schools. The purpose of this article is to explore the implementation of SWPBIS in early childhood education in Turkey and provides guidelines regarding its effective and culturally responsive adaptation in Turkish schools. The authors sought to answer the following questions: What is SWPBIS? What are the key features of early childhood education system and settings in Turkey? and What are the key considerations and steps to implement SWPBIS for early childhood education in Turkey?

Keywords: School-wide positive behavior interventions and supports, early identification and prevention, problem behaviors

Introduction

Early childhood education is defined as the education of children from birth to eight years old (The United Nations Children’s Fund [UNICEF], 2001). In terms of human development, this period is critically important because children acquire essential motor, cognitive, and social skills. Caregivers, educators, and child specialists should monitor children’s’ development to provide rich learning opportunities and scaffold children’s’ skills in a safe and positive environment. If developmental delays are observed, various support and intervention strategies should be implemented as early and developmentally and socially appropriate as possible.

The term developmental delay is defined as a delay in one or more of the following areas: Physical, cognitive, communication, social/emotional or adaptive behavioral development (The Individuals with Disabilities Education Act [IDEA], 2004). Developmental delays in intellectual, motor, speech, and language areas may be observed relatively easily in early ages. However, the identification of social/emotional delays is more complicated. Literature shows that there is a significant need for effective and appropriate early identification and intervention models in order
to prevent and manage problem behaviors (Anderson, 2007; Bullis, Walker, & Sprague, 2001; United Nations Educational, Scientific and Cultural Organization [UNESCO], 2005). Since 1990s, school-wide positive behavior interventions and supports (SWPBIS) has become the primary means of providing behavior support and prevention in schools. Indeed, PBIS is the only school-wide identification and early intervention model for behavioral problems specifically mentioned in IDEA (2004). PBIS has been implemented in more than 20% of all schools in the United States (U.S.; Horner, 2015). PBIS has been increasingly used in education systems around the world including but not limited to Australia, Canada, Norway, Japan, and Taiwan.

The purpose of this study is to discuss the implementation of SWPBIS in early childhood education in Turkey. We sought to answer the following questions:

1. What is SWPBIS?
2. What are the key features of early childhood education system and settings in Turkey?
3. What are the key considerations and steps to implement SWPBIS for early childhood education in Turkey?

In what follows, we first review the identification and prevention of behavior problems in early childhood in Turkey. Then, we review the key features of SWPBIS and its implications for early childhood education. Finally, we present the implementation of SWPBIS in the context of the Turkish early childhood education system.

Identification and Prevention of Behavioral Problems in Early Childhood in Turkey

Caregivers and early childhood teachers are usually the first to recognize problem behaviors and social/emotional delays in children. A child is often referred to a specialist (e.g., pediatrician). Specialists may diagnose children with problem behaviors based on Diagnostic and Statistical Manual of Mental Disorders (DSM-V; 2013). After a child receive a diagnosis, the Guidance and Research Centers (GRC) are responsible for assessing the development of the child in terms of that child’s education needs and to place the child in inclusive classrooms with the requirements of the Individual Education Plan (IEP; Republic of Turkey Ministry of National Education, 2012a). GRC conducts educational assessments to identify child’s general educational goals and prepare an IEP.

Once the child is diagnosed with a disability goes to schools in general education classrooms or early childhood special education classrooms based on GRC’s report. Early childhood teachers and the IEP team oversee child’s IEP goals. The IEP team conduct evaluations in order to achieve the child’s education goals. For children between 0-8 years old who are at risk an emotional behavioral disorder (EBD) GRC supports parents about how to manage problem behaviors (Er-Sabuncuoğlu & Diken, 2010).

Prevention Approaches of Problem Behaviors

Numbers of children experiencing problem behaviors have been increasing since 1990s (Diken & Rutherford, 2005; Melekkoğlu et al., 2014; Safran & Oswald, 2003; Sprague & Perkins, 2009). This has pressured researchers, educators, specialists and policy makers to seek for evidence-based, socially and developmentally appropriate, and sustainable interventions to prevent the problem behaviors in schools. It has been recommended that the interventions should create positive, supportive, predictable school climate for all students as well as adults (The Office of Special Education Programs, 2010; Walker et al. 1998). Moreover, the interventions should include reliable assessments for progress-monitoring. The other features of effective interventions include schoolwide expectations and reinforcement system and involving all stakeholders (e.g., education leaders, parents, teachers and students) in problem solving and decision-making activities (Bal, 2016). In fact, collaboration and collective agency among local stakeholders are identified as the key components of culturally responsive systemic interventions (Bal, 2011). Fox, Dunlap and Lisa (2002) stressed the importance of family involvement in the effective early intervention programs. Professionals should take into account family strengths, goals, social context, histories, and cultural practices and establish sustained and reciprocal collaboration in the development and implementation of the behavioral interventions. In the litera-
tuetype, there are evidence-based early inter-
vention programs such as First Step to Suc-
cess (Walker et. al., 1998), Head Start’s
Early Family Support Program (Bulotsky-
Shearer et. al., 2010).

Sugai and Horner (2006) concisely
summed up that “[i]the SWPBIS approach is
about redesigning learning and teaching
environments so that the best and most ap-
propriate evidence-based practices can be
adopted and implemented at the classroom
and schoolwide levels” (p. 256). SWPBIS
has been found to decrease office discipline
referrals in elementary schools (Horner et
al., 2009). The evidence-based practices
were used in the prevention of problem be-
haviors include establishing a family out-
reach program, improving academic skills
of children, creating individual behavior
support programs, providing intellectual
behavioral supports and teaching and model-
ing social skills (Blackbourn et. al., 2004;
Lewis & Sugai, 1999). Below we present the
key tenets of SWPBIS.

Positive Behavior Intervention and Sup-
ports
PBIS was grounded in applied behaviorism
and followed the method of applied behav-
ior analysis (ABA; Baer, Wolf, & Risley,
1968; Sugai & Horner, 2002b). PBIS is a
framework consisted built on over three
studies of ABA and tiered, prevention mod-
elons from public health (Carr, 1997; Carr et
al., 2002). Since the 1990s, researcher
have emphasized the effectiveness of PBIS
strategies in order to prevent problem be-
haviors (Lewis & Sugai, 1999). PBIS
emerged as an alternative approach to tra-
donitional discipline and behavioral manage-
ment practices (e.g., punishment). Most
commonly, adults in schools and at home
often focus on children’s negative or unde-
sired behaviors (e.g., yelling, hitting, diso-
bying, tantrum, biting) rather than teach-
ing, modeling, and reinforcing positive be-
haviors. Positive behaviors often go without
acknowledgement, praise, or reward. PBIS
considers the whole school context and op-
opportunities for positive behaviors, social val-
ues, and happiness of children. SWPBIS
aims to teach, model, and reward children’s
desired behaviors (Carr et al., 2002).

The 1997 reauthorization of the IDEA rec-
ommended SWPBIS. It was suggested that
each school’s disciplinary regulations and
behavior management programs should in-
clude “positive behavioral interventions and
supports” strategies and approaches. With
this federal law, “functional assessment”
and “positive behavior support” become
central considerations in school-wide inter-
tentions to address behavioral problems.

The earlier studies on PBIS generally
included the applications at the individual
level (e.g., Clarke et al., 2002) or class-wide
(e.g., Lohrmann, & Taliero, 2004). Since
2000s, school-, district-, and state-wide
implementations of PBIS have been the most
prominent forms (Barrett, Bradshaw, &
Lewis-Palmer, 2008). In recent years, PBIS
applications took into account culture given
the fact that SWPBIS has mostly worked for
the students from dominant cultural groups.
SWPBIS has not been able impact the ra-
cial disparities in behavioral outcomes (e.g.,
ODRs, suspension, and placement in spe-
cial education for EBD; Bal, Sullivan, & Har-
per, 2014; Sugai et. al., 2000).

Key Features of SWPBIS

Kincaid and colleagues (2016), con-
ducted a study with members of the Associa-
tion for Positive Behavior Support (APBS)
in order to reach an encompassing defini-
tion of PBIS. The APBS members defined
SWPBIS as “an approach to behavior sup-
port that includes an ongoing process of re-
search-based assessment, intervention and
data-based decision making focused on
building social and other functional compe-
tencies, creating supportive contexts, and
preventing the occurrence of problem be-
haviors” (Kincaid et al., 2016, p. 71). This
study and the larger literature indicate that
a SWPBIS implementation should have the
following key features:

- SWPBIS should be implemented
  as school wide
- School staff should have buy-in
- A SWPBIS team should lead and
  monitor the implementation
- All stakeholders’ involvement
  should be maintained
- SWPBIS team’ first priority should
  be prevention the problem behav-
  iors
- A continuum of behavior support
  system should be created
- Evidence-based practices should
  be used
- A strong school management sys-
  tem should be built
• Fidelity of implementation should be monitored
• SWPBIS team should make data-based decisions
• Contextual fitness or culturally responsiveness should be established
• Providing a good quality of life cycle for the children

In the following section, we discuss the implementation of SWPBIS for early childhood education.

*Implementation SWPBIS in Early Childhood*

Effectively addressing problem behaviors in schools are notably complex and difficult. Traditionally, teachers try to cope with children with problem behaviors by using intervention strategies targeting individual students. However, the literature showed that the effective behavioral interventions should focus on the whole school context and adult behaviors as well as individual student behaviors (Lewis & Sugai, 1999; Stormont, Lewis, & Convington Smith, 2005). Sugai and Horner (2002a) indicated four key features of PBIS: 1) Outcomes, 2) a behavioral and biomedical science of human behavior, 3) empirically validated practices for achieving identified outcomes in applied contexts, and 4) the implementation of validated practices in the context of the systems change” (p. 29). Data, system and practices are strategically established for improved and sustained desired behavioral outcomes. In other words, there is a helical relationship between these elements. These factors also consider professional development of school staff, positive attitude of the students, data-based decision making system the social values of schools, social skills and academic achievement students.

School-wide interventions generate solution offers with cooperation of administrators, parents, educators, and behavioral specialists (e.g., school psychologists, social workers; Sugai & Horner, 2002b; Sugai & Horner, 2006). The commitment and leadership of school administration and the active involvement of the whole school community are important components to establish a schoolwide system of behavioral prevention and interventions. The aim of the SWPBIS is to examine structure of schools in general (staff, environment, family, students and administration), determine schoolwide behavioral expectations (e.g., be respectful, be safe, and be responsible), operationalize those desired behaviors in various school spaces and activities (e.g., classroom, cafeteria, school bus, playground, and restrooms), teach, model, and reinforce positive behaviors. SWPBIS teams also develop a plan for identifying and addressing problem behaviors (e.g., consequences) and examine factors causing behavior problems (Anderson, 2007).

Quality of teamwork and leadership were found critical in SWPBIS implementations (Sugai & Horner, 2002b; 2005; Steed & Webb, 2012; Stormont, Lewis, Beckner, & Johnson, 2008). Additionally, accountability, material and administrative support, the training of the team, and cooperation between all stakeholders were found effective (Flannery, Sugai, & Anderson, 2009; Sugai & Horner, 2006).

*Implementation steps of PBIS*

SWPBIS is not a pre-packed program and its implementation may vary from school to school depending on each school communities’ needs, goals, and resources (Horner & Sugai, 2000). In the SWPBIS implementation, a school community may follow steps: Forming a SWPBIS team, clearly defining responsibilities of team members, collecting data for the fidelity of implementation, and collecting follow up data. Horner and Sugai (2000) elaborated the steps that a SWPBIS team may take:

• Planning implementation process by the school team
• Managing and supporting SWPBIS implementation
• Determining and operationally defining three to five specific values based on behavioral expectations (e.g., be honest, be respectful, and share)
• Teaching the behavioral expectations to all students in a tangible and systematic way,
• Giving feedback and rewarding systematically the children meeting behavioral expectations
• Applying positive behavior support strategies such as teaching new skills to prevent the problem behaviors
• Monitoring scientifically progress of students’ behaviors

In general, SWPBIS has been implemented in a three-tiered continuum (Lewis & Sugai, 1999; Sugai & Horner 2002b; 2006; Walker et al., 1996).

Primary Prevention Level. This level is also called universal tier in which the intervention program targets all students and adults in the school. The PBIS team members collectively determine schoolwide desired behaviors (Sugai & Horner, 2002b). In this process, the team should seek active participation of parents and community members. It aims at preventing problem behaviors and bringing all students in desired academic, social, behavioral or prerequisite skills in the school by providing positive reinforcement for appropriate behaviors and establishing positive learning environment for all (Sugai & Horner, 2006). The intervention program also contains basic support strategies such as teaching appropriate behaviors, giving feedback, treating to children in positive way (Horner & Sugai, 2006; Stormont, Lewis, & Beckner, 2005; Stormont et al., 2008). It is assumed that about 80-85 % of students may respond to interventions at this level (Stormont, Lewis, & Beckner, 2005; Stormont et al., 2008).

Secondary Prevention Level. The secondary tier behavioral support services target students who may benefit from additional, more intensive, in small group support programs to develop appropriate social skills, self-management strategies, and academic skills to cope with problem behaviors before they become permanent. The SWPBIS scholars suggested that approximately 10-15 % of students in the schools may benefit from this level of support. Teachers or researchers can utilize FBA. Secondary interventions contain more intensive adult attention and monitoring child with problem behaviors (Sugai & Horner, 2006).

Tertiary Prevention Level. Students in this group who do not respond to universal and more intensive, small group behavioral interventions mainly need for individual behavior intervention and supports. These students show intense problem behaviors even after the universal and targeted group intervention strategies (Horner & Sugai, 2006; Stormont, Lewis, & Beckner, 2005; Stormont et al., 2008). At this level, intervention strategies are built based on a comprehensive Functional Behavioral Assessments (FBA), which informs teachers or researchers about nature of problem behaviors that a student experiences. In Turkey, especially teachers struggle with creating individual behavior intervention and supports intervention plan because of the lack knowledge about effective strategies and special education and specialists such as special education teacher, school guidance counselor, and averseness of parents, crowded classroom size. For tertiary prevention, collaboration between stakeholders is vital in order to successfully implement individualized behavioral interventions and if needed start the special education referral (Algozzine, Daunic, & Smith, 2010).

The literature does not differentiate the steps for SWPBIS implementations for in early childhood education settings. Fox and Little (2001) conducted a study on PBIS in an early childhood education setting and listed the implementation process in seven steps: Determining and defining behavioral expectations, teaching expected behaviors, giving feedback for kids’ appropriate behaviors, conducting prevention strategies, building a team program to make evaluation, supporting school leaders, conducting an individual behavior support plan for a child who shows severe problem behaviors. Steed & Webb (2012) developed the Preschool-Wide Evaluation Tool (Preset) to assess the reliability of SWPBIS applications. Based on this assessment tool implementation steps of SWPBIS must contain below essential features.

1. Determining three to five behavioral expectations based on children needs
2. Teaching target behaviors to children
3. Giving the feedback on children’s behavior
4. Creating positive learning environment
5. Progress monitoring students’ behaviors
6. Making data-based decision
7. Participating families in practices
8. Providing a fair and democratic staff management
9. Building a strong and effective behavior management system
10. School administration’s support
Culturally responsive SWPBIS

School culture, social contexts and the readiness and needs of schools impact the implementation of SWPBIS (Horner & Sugai, 2000; Sugai et al., 2000). Therefore, contextually fit or culturally responsive implementations of SWPBIS were recommended in the literature (Bal, 2011; Bal, 2016; Sugai, O’Keeffe, & Fallon, 2012). SWPBIS implementers can utilize funds of knowledge (cultural practices, histories) that students and families bring to schools (Moll, Amanti, Neff, & González, 1992).

Bal (2011) developed a culturally responsive PBIS (CRPBIS) framework which offers Learning Lab, an inclusive problem solving process to address outcome disparities in school discipline. Learning Lab facilitates active participations of parents, students, and community members in schools’ decision making activities to collectively design culturally responsive school discipline systems. In a statewide, mixed methods research study, Learning Labs were implemented at five urban preK-12 schools in U.S. The Learning Lab methodology was found to successfully facilitate and sustain reciprocal and productive partnerships among local stakeholders that renovated their schoolwide behavioral support systems to be positive, inclusive and culturally responsive (Bal, 2016; Bal et al., 2014).

Implementing PBIS in Turkey in early childhood education

Turkey has a centralized education system with a national curriculum. Formal early childhood education begins at age 3 in early childhood schools (Ministry Education of Turkey, 2014). There are private early childhood schools for children younger than 3 years old. Early childhood education is not for free. There are three types of early childhood institutions in Turkey: (a) Pre-school: Provides education to children who are between 36-66 months old; (b) kindergarten: Provides education mostly in the primary schools to children who are between 48-66 months old; (c) Training class: Provides education to children 36-66 months in vocational and technical education school as a part of child development and education field (Ministry of National Education, 2014).

Early childhood schools provide dual education system to one group of children from 7:30 a.m. to 12:45 p.m. and other group of children from 1:45 p.m. to 5:45 p.m. (Ministry of National Education, Early Childhood and Primary Education Institutions Regulation, 2014). There are usually early childhood education teachers, a principle, one or two vice-principle, administrative assistants, teacher assistant if hired by parents, and a guidance counselor in independent early childhood education settings (Melekoğlu, 2017). There are usually total six to fourteen classrooms in independent early childhood schools and four to six kindergarten classrooms in elementary or middle schools. Maximum 25 children can be enrolled in one class with one teacher. The regulation also requests that only 20 children can be enrolled if there is a child with disability in one class with one teacher. If there are two children with disabilities, only ten children can be enrolled in one class with one teacher.

There is officially one teacher in the classroom but parents may hire an assistant teacher. Classroom size does not differ based on the age group. In fact, Melekoğlu, (2017) found that 25 children might be too challenging for one teacher in terms of children safety and quality of education. In practice, however, school administration sometimes does not follow those rules. For instance, there may be students more than 25 students (Melekoğlu, 2017). Also, there may be more students with disabilities more than the suggested in the law but school administration cannot decrease the classroom size due to lack of available classrooms and teachers. As a result, school administration and teachers struggle with adequately addressing problem behaviors because of classroom size as well as other structural problems in schools (Melekoğlu, 2017).

Early childhood teachers are often left alone without any structured, systemic support and guidance to address behavioral problems as well as other educational challenges such as the inclusion of students with disabilities, lack of education materials and professional learning opportunities, and the issues related to classroom management (Er-Sabuncuoğlu & Diken, 2010). On the other hand, there are only a few research-based intervention strategies to deal with behavioral problems (Diken et. al., 2010). The exiting interventions are mostly about inclusive education in early childhood education yet they are rarely used in schools (Sucuoğlu & Bakkaloğlu, 2013). As a research-based, systemic intervention model, SWPBIS can be an effective way to address behavioral problems and increase positive, proactive, and supportive social
climate in early childhood education settings in Turkey.

There have been system-wide intervention programs. For example, the Project of Inclusive/Integration Education Support Model was developed by a partnership between Ministry of National Education, Tohum Otizm Vakfı, Sabancı University, and Education Reform Union in 2011. The aim of the project was to provide quality inclusive education to students with disabilities. The second project was the Inclusive Education in Early Childhood-Evaluation Outcomes of Teacher Training program in 2011 (Sucuoğlu & Bakkaloğlu, 2013). In early childhood education, the first program, especially applied for preventing and dealing with problem behaviors, was First Step to Success (FSS; Diken et al., 2010).

Recently, with a direction from Ministry of National Education (2010), schools are implementing value education, also known as character education, in daily activities for the request of Early Childhood and Primary Education Institutions Regulation (part 1, item 5.7; 2012b) and (part 8, item 52; 2014b). The goal is to gain children prosocial skills and “good personality” (Cihan, 2014; Ministry of National Education, 2010). In this program, the Ministry pre-determines “values” and “desired behaviors” to teach to the children and declare them to schools. These values are usually chosen from the regulation items as communication, love, respect, patient, honest, sharing, empathy, mercy and personality and all schools try to teach same values all around the country. In the implementation of value education, the value/character education teacher does not follow data driven decision making procedures and procedures of evidence based practices. In short, there is a need for and interest in implementing evidence-based and effective system-wide behavioral interventions in early childhood education.

While there is a need and an increasing interest in SWPBIS in Turkey, the research base is still limited (Erbaş, 2002; 2005; Erbaş, Kircali-İftar, & Tekin-İftar, 2010; Vuran, 2010). The first SWPBIS implementation took place at high and middle school levels in one private school in Istanbul between 2008 and 2013. However, no research study published on the effectiveness of the implementation (www.europbs.com). Ünlü and colleagues (2013) and Atbaşi (2016) have studied the implementations of SWPBIS at classroom level in primary schools. To our knowledge, the first study to implement SWPBIS in early childhood education was conducted by the first author of this article (Melekoğlu, 2017). We will discuss the study and its implications for future implementation efforts later in this article.

SWPBIS provides a structured yet flexible process to researchers and practitioners to design their own contextually fit implementation based on school communities’ needs, goals, and resources. In U. S., there has been a policy level support and technical assistance for schools to implement SWPBIS since 1997. The Technical Assistance Center on Positive Behavioral Interventions and Supports was funded by the U.S. Department of Education, the Office of Special Education Programs (OSEP). The mission of this national center is “to define, develop, implement, and evaluate a multi-tiered approach to Technical Assistance that improves the capacity of states, districts and schools to establish, scale-up and sustain the PBIS framework” (PBIS.org, 2016). There are numerous web-based resources, written resources and publications for SWPBIS implementers.

In the U.S. education system, there is an autonomy for schools and school districts to make decisions about academic and behavioral programs that will use in their local contexts. On the contrary, across Turkey, school administrations and districts (i.e., Milli Egitim Mudurlukleri) have to follow the national policies. SWPBIS has not been recommended by the Turkish Ministry of National Education. This may be due to the lack of research in the literature as well as limited information among policy makers, education leaders, educators, parents, and advocacy groups regarding SWPBIS. To inform the future implementations of SWPBIS in early childhood, in what follows we present the implementation steps of SWPBIS in early childhood education based on Melekoğlu’s study (2017).

Implementation Steps of SWPBIS in Early Childhood Education

Administrators and the whole school community should be have buy in SWPBIS. Therefore, the first step in the implementation of SWPBIS in Turkey is to inform school and district leadership, teachers, school staff, and parents/legal guardians about SWPBIS, its implementation procedures, benefits for students and adults with a timetable and an estimated cost and resources needed and expectations from schools.
teachers, and parents. Researchers can prepare posters, presentations, booklets to reach out all stakeholders.

If the staff is interested, the second step is building a coalition among teachers, parents and administration. Sustaining this coalition is important. This step is the most important step to imply SWPBIS because teachers may not want to involve in study due to heavy work responsibilities. In this case, researchers have to explain clearly their expectations from teachers and motivate educators. Researchers’ knowledge, experiences and communication style are very important to build this step (Melekoğlu, 2017).

The third step is building SWPBIS team. Researchers may serve as team leaders who coordinate the implementation and the study. Since there is limited employee in totally in early childhood education settings, all employees have to get involve in the study if they choose to do so. It is also important to facilitate parents’ involvement in the SWPBIS team. Team leaders can participate in schools’ parent-teacher organizations to maintain buy-in and active and sustained participation in SWPBIS.

The fourth step is establishing roles and responsibilities of the team. During implementation process, the team may assign a data manager, a communication coordinator, a financial coordinator, a technology support person, a counselor, and someone to organize activities and meetings (Stormont et al., 2008). The team determines actions, responsibilities and division of labor among SWPBIS team members.

After determining the responsibilities of the team, baseline data about the behavioral outcomes such as office discipline referrals and school climate should be collected because teachers’ attitudes usually start to change with the teacher-training program even though SWPBIS intervention strategies are not applied (Stormont et al., 2008). At this step, researchers usually collect data from teacher, students, parents and school administrators to determine the needs, strengths, and goal of the school community. Researchers generate data on the implementation process and outcomes such as implementation fidelity, school climate, and behavioral incidents based on their research questions and research design. For instance, they can make observation in and around of the school environment, conduct teacher and parent interviews and observations (Melekoğlu, 2017).

The next step is to provide staff and parent training sessions. Since the SWPBIS framework and other multi-tier, prevention models are new in Turkey, professional development programs are crucial. Researchers may lead the professional development activities. Professional development sessions for teachers may be difficult because teachers have to attend to it outside of their working hours (Melekoğlu, 2017). Researchers should inform teachers about teacher training process in the beginning of the implementation. The seventh step is to collect baseline data regarding behavioral outcomes and needs of students and adults in the school.

In the eighth step, the team determines behavioral expectations and three to five school values in the school environment and classrooms and select evidence-based strategies for each tier of intervention (Stormont et al., 2008). Schoolwide behavioral expectations are six to ten items that should be age appropriate. The SWPBIS team describes the mean of each expectation with positive expression and attitudes and how to assess the outcomes.

The ninth step includes preparing the materials. Since young children do not read often, all expectations should be visually displayed on the hallways, in the classroom, kitchen, and restrooms. Preparing these materials may be challenging since financial and technological support is needed (Melekoğlu, 2017). The SWPBIS team can get financial, social, and academic support from the school’s parent teacher organizations. They may also apply for grants. At this step, the SWPBIS team may need to do some physical change. For instance, Turkish Ministry of National Education regulation (2012) requested from school administrations to design learning centers (öğrenme merkezi) within each classroom. However, not all schools can follow this regulation because of inadequate class size, lack of material and personnel resources. According to PBIS strategies, researcher can do some physical arrangements in the schools or classrooms about what trigger off children to problem behaviors if it is necessary (Stormont et al., 2008).

At the tenth step, applications of the SWPBIS strategies are prepared (Mele-
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koğlu, 2017). The planned actions, timelines, desired outcomes (e.g., increased sense of positive social climate), changes, and decisions should be shared with all students, staff and parents (Sugai & Horner, 2002b, 2006). Ideally, the SWPBIS implementations should be owned and led by the whole school community (Bal, 2016). The need to teach, model, and reward the behavioral expectations, observe student and adult behaviors and interactions, collect data in multiple school settings, create a positive learning environment, recognize the students who engage in desired behaviors, and follow the SWPBIS implementation plan determined the team following the SWPBIS framework. Moreover, researchers collect data for reliability and fidelity of the SWPBIS implementation. The last step is to evaluate the impact of SWPBIS implementation and collect data for the social validity of SWPBIS (Melekoğlu, 2017).

Conclusion
This article present information regarding the implementation of SWPBIS in early childhood education in Turkey. The Ministry of National Education, school districts, school leaders, teachers, support staff, and parents are in need for research-based, socially and developmentally appropriate behavioral support and intervention models to improve the behavioral outcomes of students and create safe, positive, and inclusive schools in Turkey. SWPBIS is a promising research-based approach to prevent behavioral problems and support social and academic developments of students. SWPBIS has been implemented across multiple countries and education systems struggling with behavioral problems over three decades. SWPBIS has been found effective in identifying and addressing problem behaviors in schools (Bradshaw Mitchell, O’Brien, & Leaf, 2010; Honer & Sugai, 2006). This article introduces SWPBIS to education researchers, policy makers, educators, and families and provides guidelines regarding its effective and culturally responsive adaptation in Turkish education system.

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