



Evidence-based practices

Elementary

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**Prepared for the Saint Paul Promise Neighborhood
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This packet lists “evidence-based practices” for consideration by Solution Action Groups as we develop recommendations for the Saint Paul Promise Neighborhood. It also includes some local programs which have not yet been nationally identified as “evidence-based practices,” but which do have research to support their effectiveness and which appeared in Saint Paul’s Promise Neighborhood proposal.

What are evidence-based practices?

Evidence-based practices are programs which research has shown to be effective with children and young people. No program can ever be perfect, but evidence-based practices have research to show that they have the greatest chance of success with the largest number of children. (Other programs might be effective, but they don’t have research evidence.)

Why are evidence-based practices important for the Saint Paul Promise Neighborhood?

Evidence-based practices are important for two reasons.

First, we want to make the Saint Paul Promise Neighborhood as effective as possible for as many children as possible. The more that we can include evidence-based practices in our plans, the greater the chances that we can support all of the neighborhood’s children.

Second, the federal government and other funders favor the use of evidence-based practices. The more evidence-based practices that we include in our design of the Saint Paul Promise Neighborhood, the better our chances of receiving the investments we need to succeed.

How should we include evidence-based practices in our planning?

Each Solution Action Group will identify solutions for a specific age range of children in the Saint Paul Promise Neighborhood. These solutions will support children to succeed in school and in life. We want to pick solutions which will help children at their present age – and which will have positive effects on them for the rest of their lives.

In each of our groups, we should select solutions which we consider most likely to have positive impacts on children. Over the next 10 years or more, the Saint Paul Promise Neighborhood will measure those impacts with “indicators”. That is, we will measure indicators such as the *percentage of five year olds who are ready to attend kindergarten*, or the *proportion of students who attend school regularly*, or the *proportion of children who graduate from high school*.

In our groups, we want to select solutions which will move the indicators in a positive direction. For example, this means:

- If the indicator we want to move in a positive direction is the *percentage of third graders who read at their grade level*, we need to ask: What solutions will increase reading achievement for 3rd graders from the Saint Paul Promise Neighborhood?
- If the indicator we want to move in a positive direction is the *percentage of students with a caring adult in their home, school or community*, we need to ask: What solutions will increase the number of students from the Saint Paul Promise Neighborhood who have a caring adult?

Will all of our solutions be evidence-based practices?

Not all, but hopefully, as many as possible. Solutions can include:

- Services or programs (new or improved) that will be available to children and their families (e.g., after school tutoring for students; parent education for pregnant women and their partners; health screening for preschool children; etc.)
- Reorganization of current efforts in the neighborhood – getting people to work in different ways (e.g., parents, teachers, police, librarians, etc.)
- Activities by neighborhood residents to support young people or to make the neighborhood better for all (volunteer mentoring of young people; block clubs; etc.).
- New locations for services (e.g., making services available in several schools, community centers, or other places)
- Resources (e.g., a new playground, a traffic light at a dangerous intersection, etc.)

Researchers have not developed evidence-based practices for everything we need to do. We should use evidence-based practices when they fit, but we must also do our best to develop other solutions suited to the unique situation of children in the Saint Paul Promise Neighborhood – that is, solutions suited to the geography of the neighborhood, the diverse cultures who live here, and other factors. The plan for the Saint Paul Promise Neighborhood will include a mixture of evidence-based practices and other solutions, crafted to fit the neighborhood.

Format: Evidence-based practices, and the other local, research-based practices from our Promise Neighborhood proposal, appear in the following format:

Result: The outcome we are trying to achieve, e.g., “children enter kindergarten ready to learn,” or “children have access to 21st century learning tools.”

Indicator: The measure which tells us if we have achieved a result, e.g., “students who are physically active,” or “high school graduates get a post-secondary degree”. (Note: These are just some of the indicators which we have identified in the Solution Action Groups. The longer lists which we developed appear in a separate document.)

Program/practice: The name of the program, a brief description, and a local provider (if there is one).

Target group: The group for whom the program/practice is appropriate.

Impact: The results which research shows the program/practice can achieve.

At the end of the packet, we have identified research sources.

Elementary

Result: STUDENTS ARE PROFICIENT IN CORE SUBJECTS

Indicator: Students perform at or above grade level according to state language arts and mathematics assessments

Program/practice	Target group	Impact
<p>America's Choice* - promotes instructional improvement through curricular guides and teacher guidance, especially in language arts, but also mathematics. <i>Local provider: Saint Paul Public School curriculum based on this model</i></p>	Customized for elementary, K-8, middle, and high schools.	Showed strong effects in literacy and mathematics, outpacing comparison schools.
<p>Chicago Child Parent Centers* - school-based early childhood education fostering social and academic development for economically disadvantaged children.</p>	3-9 years	Higher academic performance and longer-term advantages in both reading and math.
<p>Minnesota Reading Corps - A statewide initiative to help every Minnesota child become a successful reader by the end of third grade.</p>	Children in preschool through grade 3	K-3 students performing below average improved faster than the expected grade-level growth rate, making more than one year of growth on average.
<p>Responsive Classroom - Focuses on building social and emotional competencies that help to increase academic achievement and improve classroom behaviors <i>Local provider: Some Saint Paul Public Schools (SPPS)</i></p>	Elementary students	Improved test scores in reading and math
<p>Saint Paul Public Schools Foundation Tutoring Partnership for Academic Excellence - one-on-one tutoring program for students below grade level in reading</p>	Children in kindergarten through grade 4	Tutored students showed significantly larger gains in reading comprehension than non-tutored comparison students.

Result: STUDENTS ARE HEALTHY

Indicator: Children are physically active and regularly eat fruits and vegetables

Program/practice	Target group	Impact
<p>Center for Disease Control's key strategies for schools to prevent obesity* - <i>Local provider: Saint Paul Public Schools (SPPS) implemented nutrition and physical activity policies/ procedures; City of St. Paul, SPPS, and YWCA offer extended day physical recreation/ nutrition opportunities</i></p>	School-age	Well-designed, well-implemented school programs can effectively promote physical activity and healthy eating.

*Evidence-based practice

Result: STUDENTS LIVE IN STABLE COMMUNITIES

Indicator: Students live in the same place/experience a low mobility rate

Program/practice	Target group	Impact
Housing support programs* - housing and services focused on the unique needs of people exiting homelessness <i>Local initiatives: Wilder's ROOF and QUEST; YWCA programs</i>	Homeless families	Significant increase in housing stability
Mortgage Foreclosure Prevention Program* - provided a variety of services to homeowners faced with foreclosure, including negotiations with lenders, budget and mortgage counseling, and referrals to social services <i>Local initiative: Program sites included Minneapolis and St. Paul.</i>	Homeowners faced with foreclosure	The program successfully prevented foreclosures for up to 42%-62% of homeowners in program (depends on individual program).

Result: STUDENTS FEEL SAFE AT SCHOOL AND IN THEIR COMMUNITY

Indicator: Students feel safe at school and while traveling to and from school

Program/practice	Target group	Impact
Steps to Respect* - bullying prevention program that teaches students to recognize, refuse, and report bullying, be assertive, and build friendships <i>Local provider: in Saint Paul Public Schools</i>	Elementary students	Recent study found 31% decline in bullying and a 70% cut in destructive bystander behavior.
Ramsey County Wakanheza Project - a community-wide effort that provides tools and strategies for creating welcoming environments for children, youth and families.	School-age children and their families	Findings show several elements that correlate with evidence-based practice methods found in the literature, indicating positive benefits to implementing the project.
Olweus Bullying Prevention Program (BPP)* – School-wide survey to assess nature and prevalence of bullying, increased supervision, rules against bullying, regular class meetings, individual interventions with students identified as bullies and victims, and discussions with parents <i>Local initiative: Two elementary schools in Marshall</i>	Universal intervention for all students within the school, plus individual interventions targeted at students identified as bullies and victims of bullying	Reductions in students' reports of bullying, victimization, and antisocial behavior. Improved social climate of the classroom.

* Evidence-based practice

Result: FAMILIES/COMMUNITY MEMBERS SUPPORT LEARNING

Indicator: Students have a caring adult in their home, school or community

Program/practice	Target group	Impact
Experience Corps* - classroom program using older adult volunteers to assist in the management of difficult classrooms. <i>Local provider: Volunteers of America</i>	K-5 th grade	Decrease in principal referrals for problem behaviors and increase in student performance.
Families and Schools Together (FAST)* - parent involvement program designed to help at-risk youth build relationships and prevent juvenile delinquency	Ages 3-14	Improved social and academic performance.
Strengthening Multi-Ethnic Families and Communities* - Parent training program using various intervention strategies aimed at raising children with a violence-free, healthy lifestyle. <i>Local provider: Wilder program</i>	High-risk families with children up to 18 years.	Increases parent involvement and parent's sense of competence.
Triple P (Positive Parenting Program)* - Parenting program targeting prevention of child maltreatment by enhancing competence and preventing or altering dysfunctional parenting practices.	Parents of children birth-8 years	Decreases in the number of substantiated reports of child maltreatment, child out-of-home placements, and child maltreatment injuries.
Wilder Foundation's Project Kofi and Hlub Zoo - School-based mental health programs. <i>Local initiatives: Wilder Foundation.</i>	Project Kofi – African American males in grades 3-8. Hlub Zoo—Hmong girls from age 8 to 13.	Improvement in student's emotional and behavioral well-being.

Indicator: Students have family members who attend parent-teacher conferences

Result: STUDENTS HAVE ACCESS TO 21ST CENTURY LEARNING TOOLS

Indicator: Students have school and/or home access to a computer and broadband internet

** Evidence-based practice*

Sources

America's choice

Rowan, B., Correnti, R., Miller, R., & Camburn, E. (2009). *School improvement by design: Lessons from a study of comprehensive school reform programs*. Philadelphia: University of Pennsylvania, Consortium for Policy Research in Education. Retrieved from http://www.cpre.org/images/stories/cpre_pdfs/sii%20final%20report_web%20file.pdf

More information at: <http://www.americaschoice.org/index.cfm>

Chicago Child Parent Centers

Reynolds, A.J. & Temple, J.A. (1998). Extended early childhood intervention and school achievement: Age thirteen findings from the Chicago Longitudinal Study. *Child Development*, 69(1), 231-246.

Reynolds, A.J., Mavrogenes, N.A., Bezruckzo, N., & Hagemann, M. (1996). Cognitive and family support mediators of preschool effectiveness: A confirmatory analysis. *Child Development*, 67(3), 1119-1140.

Minnesota Reading Corps

Gozali-Lee, E., Mohr, C., & Mueller, D. (2011). *Minnesota Reading Corps evaluation: Program implementation and organizational impact*. St. Paul, MN: Wilder Research.

Responsive Classroom

Elliot, Stephen N. (1998) *A Multi-year Evaluation of the Responsive Classroom Approach: Its Effectiveness and Acceptability in Promoting Social and Academic Competence*. Madison, WI: University of Madison.

Web site: <http://www.responsiveclassroom.org/>

Tutoring Partnership for Academic Excellence

Morris, D., Shaw, B. & Perney, J. (1990) *Helping Low Readers in Grades 2 and 3: An After-School Volunteer Tutoring Program*. *The Elementary School Journal*, 91(2), 132-150.

Schultz, J.L. and Mueller, D. (2007). *Evaluation of the East Side Learning Center tutoring program*. Saint Paul, MN: Wilder Research.

Gozali-Lee, E. & Jim, J. (2009). After-school and summer program for African American youth

Evaluation of Saint Paul Area Council of Churches Freedom School and Project SPIRIT (2008-09). St. Paul, MN: Wilder Research.

Center for Disease Control's key strategies for schools to prevent obesity

Centers for Disease Control and Prevention. (2009). *Key strategies for schools to prevent obesity*. Retrieved from <http://www.cdc.gov/Features/childhoodobesity/>

Saint Paul Public Schools Nutrition Services: http://ns.spps.org/About_Us.html

Housing support programs

The National Center on Family Homelessness. (2009, March). *The Minnesota Supportive Housing and Managed Care Pilot: Evaluation Summary*. Retrieved from <http://www.hearthconnection.org/files/The%20Minnesota%20Supportive%20Housing%20and%20Managed%20Care%20Pilot%20-%20Evaluation%20Summary%20%28March%202009%29.pdf>

Mortgage Foreclosure Prevention Program

Chase, R.A. (1999, February). Mortgage Foreclosure Prevention Program site profiles: Final report. St. Paul, MN: Wilder Research.

Steps to Respect

Frey, K. S., Hirschstein, M. K., Edstrom, L. V., & Snell, J. L. (2009). Observed reductions in school bullying, nonbullying aggression, and destructive bystander behavior: A longitudinal evaluation. *Journal of Educational Psychology, 101*(2), 466-481. doi:10.1037/a0013839

Web site: <http://www.cfchildren.org/programs/str/overview/>

Ramsey County Wakanheza Project

Erickson, C.L., Lee, S. & Mattaini, M.A. (2009). A Community Prevention Approach to Peaceful Schools: Application of Wakanheza. *School Social Work Journal, 34*(1), 43-60.

Web site: <http://www.co.ramsey.mn.us/ph/cp/wakanheza.htm>

Olweus Bullying Prevention Program (BPP)

Olweus, D., Limber, S. & Mihalic, S.F. (1999). *Bullying Prevention Program: Blueprints for Violence Prevention, Book Nine*. Blueprints for Violence Prevention Series (D.S. Elliott, Series Editor). Boulder, CO: Center for the Study and Prevention of Violence, Institute of Behavioral Science, University of Colorado.

More information at: <http://www.clemson.edu/olweus/>

Experience Corps

Frick, K.D., Carlson, M.C., Glass, T. A., McGill, S., Rebok, G.W., Simpson C., et al. (2004). Modeled cost-effectiveness of the Experience Corps® Baltimore based on a pilot randomized trial. *Journal of Urban Health*, 81(1), 106-117.

Rebok, B.W., Glass, T.A., Carlson, M., Glass, T.A., McGill, S., Hill, J., Wasik, B.A., et al. (2004). Short term impacts of Experience Corps® Participation on children and schools: Results from a pilot randomized trial. *Journal of Urban Health*, 81(1), 79-93.

Reddy, D.M., Fried, L.P., Rand, C., McGill, S., & Simpson, C.F. (2007). Can older volunteers serve effectively to improve asthma management for children? Experience Corps® Baltimore. *Journal of Asthma*, 44(3), 177-181.

Experience Corps web site: <http://www.experiencecorps.org/index.cfm>

Families and Schools Together

McDonald, L. & Frey, H.E. (1999). Families and Schools Together: Building relationships. *Juvenile Justice Bulletin* (November). Office of Juvenile Justice and Delinquency Prevention, Washington, DC.

Substance Abuse and Mental Health Services Administration, US Department of Health and Human Services. (2008, December). *National Registry of Evidence-based Programs and Practices intervention summary: Families and Schools Together (FAST)*. Retrieved from <http://www.nrepp.samhsa.gov/ViewIntervention.aspx?id=30>

Strengthening Multi-Ethnic Families and Communities

Kumpfer, K. L., & Alvarado, R. (1998). Effective Family Strengthening Interventions. *Juvenile Justice Bulletin*. Family Strengthening Series. Department of Justice. Retrieved from <http://www.eric.ed.gov/ERICWebPortal/contentdelivery/servlet/ERICServlet?accno=ED431055>

Triple P (Positive Parenting Program)

Prinz, R.J., Sanders, M.R., Shapiro, C.J., Whitaker, D.J., & Lutzker, J.R. (2009). Population-based prevention of child maltreatment: The U.S. Triple P System Population Trial. *Prevention Science*, 10(1): 1-12.

Triple P web site: <http://www.triplep-america.com/index.html>

Wilder Foundation Project Kofi and Hlub Zoo

Reddy, L. A., Newman, E., De Thomas, C.A. & Chun, V. (2008). Effectiveness of school-based prevention and intervention programs for children and adolescents with emotional disturbance: A meta-analysis. *Journal of School Psychology*, 47, 77-99.

Tanaka, A. (2006). Project Kofi: 2003-04 and 2004-05 evaluation. St. Paul, MN: Wilder Research. *Internal Wilder Research evaluation report*.

Thao, M. (2010). Hlub Zoo: 2009-10 evaluation. St. Paul, MN: Wilder Research. *Internal Wilder Research evaluation report*.