

Beating the Odds Investigative Study



Introduction & Background

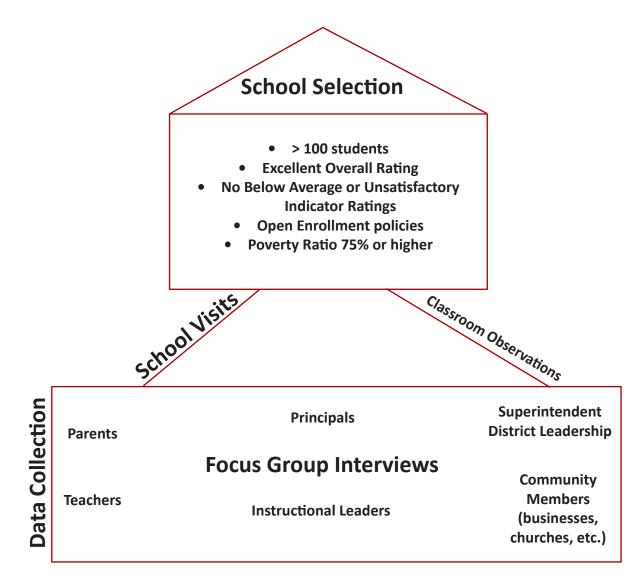
Pursuant to state law, the Education Oversight Committee (EOC) has an obligation to the citizens of South Carolina to gather, analyze and report on data from a variety of sources to communicate school performance to the public. The goal of this research is to support continuous quality improvement in the public school system. A great deal of data visualization is related to accountability including academic achievement, post-secondary or preschool education and school climate. In studying these measures, EOC members and staff found that the data in South Carolina aligned with research conducted on a national scale finding that poverty covaries with a great deal of outcomes related to lower academic achievement than counterparts not experiencing poverty. One EOC member asked, "Where is it going well for students in poverty?" and the Beating the Odds Investigative Study (BTOIS) was born.

Poverty is widely recognized as a contributing factor to low academic achievement. Children from poverty often score lower on standardized tests compared to counterparts who are not in poverty, and Reardon found this achievement gap has grown by at least 30% since the 1970s (Reardon, 2011). Families in poverty are more likely to lack access to books, internet, and other activities that support high achievement such as tutoring and in 1995, Hart and Risley famously found that children in poverty hear 30 million fewer words before they are four years old, than children not in poverty. This "word gap" contributes to deficits in early literacy skills for students in poverty. Poverty is also linked to delays in language, attention, and executive function (Duncan, 2007). Chronic or toxic stress that accompanies food or housing instability disrupts working memory, which is imperative for learning and can impact academic achievement (Evans & Schamberg, 2009). The National Center for Children in Poverty reports that children in poverty are more likely to be transient or truant, yet attendance is a mitigator of the impact of poverty on academic achievement (Chang & Romero, 2008). Additionally, students in poverty often attend schools with fewer resources and teachers may unintentionally or subconsciously have lower expectations for students from disadvantaged backgrounds (Duncan & Murnane, 2011). These multifaceted challenges are being overcome in some schools in South Carolina, and this study seeks to learn how.

There were 161 Elementary schools that received an Overall Rating of Excellent on the 2023 School Report Cards, the most recent data source when this investigation was being launched. The median poverty rate for these schools was 53.8% pupils in poverty. However, the median is potentially misleading since schools can vary greatly in the number of students enrolled. Calculating poverty rates at the elementary schools weighted by student enrollment suggests that only 47.2% of students statewide who attended an elementary school with an Excellent Overall Rating were identified as pupils in poverty. During the same School Report Card year, there were 105 Elementary schools that received a Below Average or Unsatisfactory Overall Rating on the 2023 School Report Cards. The median poverty rate for these schools was 84.5% pupils in poverty. Calculating poverty rates weighted by student enrollment indicates that 80.3% of students statewide who attended an elementary school with a Below Average or Unsatisfactory rating are identified as pupils in poverty. Schools with high levels of poverty were not all destined to receive the lowest Overall Ratings; some schools serving similar students do achieve excellent student outcomes. In this study high poverty schools who earn an Excellent Overall Rating are said to be "Beating the Odds".

Several questions drove data collection for the Beating the Odds Investigative Study (BTOIS):

- 1. Of the schools in South Carolina serving high populations of students in poverty, which covaries with low student achievement, what schools are beating the odds?
- 2. What is happening in these schools to achieve academic outcomes different from other high poverty schools?
- 3. Are there patterns across schools beating the odds? If so, what are they?
- 4. Can these practices be scaled up so that all children in poverty who attend SC public schools become high academic achievers?



To answer these questions, criteria were established to describe what it means to beat the odds, and how to identify schools to study. Because student development would account for differences in successful strategies for elementary, middle and high school students, schools in each of these grade bands were considered separately and elementary schools were studied first. This report describes the investigation of elementary schools. Middle and high schools will be studied in the future using similar methodology.

Schools that met criteria for inclusion in the study were identified using quantitative metrics related to accountability and ratings on <u>SC School Report Cards</u>. To complete the study in the time allotted, EOC staff determined that between six and eight elementary schools could be studied in one year of the study. To be eligible as a partner school several conditions must be met:

- School enrollment must be greater than 100 students.

Schools must have an "Excellent" overall rating with no "Below Average or "Unsatisfactory" indicator ratings on the SC School Report Card.



Schools must have a poverty ratio greater than or equal to 75%, the same level of poverty necessary to qualify for federal Title I funding.



Schools must have open enrollment policies; schools of choice may be considered as long as transportation is provided, and enrollment is not contingent upon academic achievement or the evaluation of an application or audition.

Schools that met these four criteria were identified and then groups of approximately six schools were grouped together to find a cohort of partner schools that were most representative of the state considering geography, size, and other characteristics. Once a cohort of schools was identified, district and building leadership were invited to participate in the study as a partner school, which did require additional time and effort on behalf of the school community for researchers to collect data. Materials to explain the study to stakeholders and recruit partner schools are available in Appendix A. Without the participation of BTOIS partner schools, this study could not be completed and substantially less would be known about how to improve academic achievement in high poverty schools in South Carolina. The EOC and staff thank and commend BTOIS partner schools for their commitment to students in their school, but also to the field of education in general.

Schools that agreed to participate scheduled a day for EOC staff to come tour the school, observe classrooms, and complete four focus group interviews with specific stakeholders: teachers, parents, community members, and instructional leaders. The principal and District Superintendent were also interviewed, occasionally in a focus group with other stakeholders, or individually. Questions used to guide these conversational interviews are found in Appendix B. Interviews were recorded and notes were taken for later analysis during interviews, tours, and observations. For each focus group interview, two research staff met with between 6 and 10 stakeholders to collect data. Not all researchers were able to participate in each interview and visit each school, so staff worked together to analyze data.

Data was analyzed to develop a theory about how high poverty elementary schools foster high student achievement. This systematic methodology is known as grounded theory research and is well suited to allow researchers to explore complex phenomena in the social sciences. It relies on a consistent comparative analysis of data across settings and situations with a focus on actions and interactions. This methodology provides insights grounded in the experiences of participants and utilizes four methodological steps:

- 1. Data collection from in-depth interviews and observations
- 2. Open coding to analyze the data across broad themes
- 3. Axial coding to refine the broad themes and identify relationships between these themes and how they interact
- 4. Selective coding to integrate themes and relationships across themes into a working theory

EOC staff completed open and axial coding together as a group, and then the working theory was approved by all researchers to ensure all salient features were captured in the theory. After a working theory was developed, this methodology was repeated with the second cohort of elementary schools meeting the same qualifying criteria. The purpose of repeating these research steps for a second year is to confirm that the themes and theory that were developed in Year 1 of the study hold true.

How were the Schools Identified?

Exploratory Phase, Year 1:

From all schools with 75% or more pupils in poverty, those that had Overall Ratings of Excellent with all indicators rated Average, Good, or Excellent were identified. From this group of schools, selection criteria were confirmed, and 15 schools were identified as potential partners. The cohort of seven schools most representative of the state of South Carolina as a whole included: The Cleveland Academy of Leadership in Spartanburg District 7; Kelly Edwards Elementary School in Barnwell Country School District; Latta Elementary School in Dillon School District 3; Matthews Elementary School and Merrywood Elementary School in Greenwood 50; Monaview Elementary School in Greenville School District; and Waterloo Elementary School in Laurens County School District 55. The decision was made to study two eligible schools in Greenwood 50 school district to determine if there were features specific to the context of the school district and community that would benefit other students by scaling up across the state.



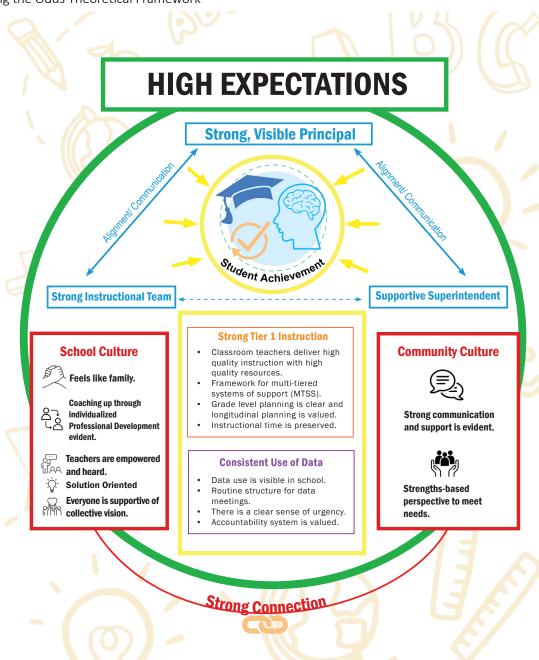
Confirmation Phase, Year 2:

During the second year of the study, 10 schools met the criteria for partnership in the study according to the four criteria described earlier. Schools studied in Year 1 were not selected for observation for the Year 2 confirmation phase. It is expected to see the same strategies in schools across two consecutive years; since researchers were seeking salient actions across schools, a unique cohort was developed. From the list of 10 eligible schools, five were selected and agreed to participate as partner schools. The cohort of five schools most representative of the state of South Carolina as a whole for year 2 of the study included: Flat Rock Elementary School in Anderson School District 3; Honea Path Elementary School in Anderson School District 2; Hopkins Elementary School in Richland School District 1; Kershaw Elementary School in Lancaster County School District; and West Pelzer Elementary School in Anderson School District 1.

Findings

Data collected during interviews and school visits was analyzed by the research team of EOC staff and a theoretical framework was developed of the most salient features of schools in South Carolina that Beat the Odds. The framework was confirmed and refined during year 2 data collection and analysis. Figure 1 illustrates the framework.

Figure 1: Beating the Odds Theoretical Framework



Strong Leadership

A strong leadership team was observed in each of the BTOIS partner schools comprised of a principal, instructional leadership and a supportive superintendent. The principal and his/her leadership were central to the success of the school and as a result the superintendent was able to provide support as needed, empowering the principal to meet high expectations for academic achievement without excuse. All superintendents but one met with the research team and were knowledgeable about school events and programs. The presence and awareness of the superintendent allowed for principals to feel accountable to an individual and the broader community while also being supported in their own leadership.

Strong, Visible Principal

The principal in each BTOIS partner school was visible and accessible in the school and the community. Each principal was approachable and built relationships within the culture of the school and community to support teachers and caregivers in focusing on student achievement. All principals used data to inform decisions and hold her/himself accountable as well as the teachers, yet this was not done in a punitive sense, but rather to foster high expectations, and monitor growth/effectiveness of programing and interventions. The team of educators was coached to meet the expectations of the principal and school culture that was developing, but staffing changes were made as seen necessary by the principal. The principals were all steadfast in their goal for high achievement and excuses were not tolerated; rather they were reframed as a need or a problem to solve — then different strategies were deployed to meet goals around student achievement.

"We want to ignite development leaders! The motto for me is to lean heavily on certain leadership to ensure that everyone knows that we are in this together... in roles that are outside of our job description. And that's what we try to instill in everyone else (at the school). This has to be done for kids. That's our number one goal."

- A BTOIS partner school principal.

Instructional Leadership Team

The instructional leadership team included reading and literacy coaches, assistant principals, behavior consultants, social workers and counselors who the principal would meet with regularly and work with closely with the goal of improving student achievement. Instructional coaches in each of the BTOIS schools were valued and respected and seen as a resource to solve problems that impact the classroom and support teachers. There was a high level of trust between the instructional leadership teams and the teachers who felt comfortable reaching out with questions. Instructional leadership teams developed several supports for teachers including data binders, model lesson and intervention plans, district pacing guides aligned to SC standards, in-class coaching models, and professional learning communities.

Instructional coaches shared the same vision and perpetuated the school culture that was being established by the principal, while working in partnership with the teachers in the building. A strong chain of communication existed between the instructional leadership team and teachers, principals and the district office allowing for efficient decision-making at the building level. Instructional leaders were expected to hold teachers accountable and support strong tier 1 teaching, while building trust and collaboration between teachers in the building. For this reason, the instructional team was described as trusted, warm, and approachable with an important, yet secondary goal of keeping teacher morale high within a culture of high expectations.

"We have collegial conversations around what's working well in my room (we might say) 'well, this didn't work—why? How can I fix that?' and that's your support. That's also your appreciation and then holding them accountable. This administration has designed something called induction rounds. We adopted that from the medical field and the three of us along with three coaches get together and create a schedule to go in one teacher's class. So all six of us are in the room watching that teacher teach, and... we have a goal of what we're actually looking for (the teacher knows), and we come out of that classroom and have a discussion about what we saw. Then we provide feedback to the teacher, based on the goal we set together, and this is also connected to what they learned in the PLC (Professional Learning Community). They don't mind all six of us coming in—everyone knows it's going to happen and it's just part of teaching here, we're all lifelong learners." - Assistant Principal at BTOIS partner school.

"A few months in (to my first year of teaching), I realized my classroom management was a problem---I struggled in that area, so I went to my principal. Instructional coaches came in and supported me and then I was able to go to a training. There was a sub for my class, I learned a great deal then ultimately, I became a trainer in the classroom management strategies! This was a great support for me to have in the school and ultimately outside of the school, and now I can be a support for other teachers here too!"

- Teacher at a BTOIS partner school

Superintendent

Superintendents of BTOIS schools were supportive of the efforts and vision of the principals, yet balanced being aware and supportive of the good work the schools were engaged in with "staying out of the way." In many cases, the superintendent visited the schools and held monthly meetings with principals after monthly board meetings. Building leadership reported that data celebration tours by the superintendent, school board or cabinet would occur. Despite having full calendars and obligations across the district, ten of the eleven superintendents met with researchers and when one superintendent could not attend, several deputy superintendents participated instead. One superintendent came to meet with staff during the busy budget meeting season to "come support the good work being done here." Like principals the superintendents are present, aware of the events and programs happening at schools and in many cases, the approachable characteristics of the superintendent provided a leadership model for principals.

"He became superintendent and is really immersed deeply in every facet of operations. And what that allowed him to do was increase the profile of the district, but also be in the know as things were happening in the community to properly advocate (for what is needed). And so, following that model, I did the same thing."

"(Principals have) heard me say this tons of times, and I've even said it in principal meeting. What I tell my district office is that when you pull up to a school, that school better be cheering, because you're either bringing encouragement or you're bringing resources or you're bringing help. That's the reason we exist, is to support those schools, which in some districts, that is not the case, but that is really important to us."

- Superintendent at a BTOIS partner school.

High Expectations

A culture of high expectations saturated BTOIS partner schools and joyfully influenced the community culture. In BTOIS partner schools, high expectations were maintained by the superintendent, principals, teachers, support staff, community members and students themselves through honest and respectful communication. These high expectations had high support to meet them, which allowed for collaborative problem solving across stakeholders which was seen largely as an asset of the school and community. A resounding belief that "all students can achieve" regardless of their circumstances was fostered and excusing poor academic performance because of poverty or other risk factors was coined "toxic empathy" in one district. In each BTOIS school, there was evidence of an overwhelming belief that students can meet not only high academic expectations, but high behavior and character expectations too. This resulted in a culture of shared excellence, resilience in meeting a variety of challenges, and pride. As challenges arose, there was a tangible solution orientation and adults acted swiftly to remove inhibitors to learning or teach students to achieve despite limiting factors. There was no problem, quality, or characteristic that could limit achievement in the BTOIS partner schools, and appropriate action to solve problems with a shared sense of urgency created an environment where all students could learn.

"I think you've got to not be afraid to set high goals for yourself, and you got to be comfortable with that, even though that's not comfortable, because no one, no one wants to not meet their goal. But if you don't set high goals and hold yourself accountable and take ownership of the student learning, it will never be what you want it to be." - Principal at a BTOIS partner school.

"We're very honest with our students, because many of them have to be very grown up for a number of reasons outside of this building, so we are very real with them and many of them will hear every year they are here 'We don't care where you started, it doesn't matter what your house looks like or your clothes—what we care about is where you finish.' And poverty is not an excuse—it is not an excuse for anyone in this building, and even very young children—they understand." - Principal at a BTOIS partner school.

In BTOIS partner schools, students were on-task in classrooms and challenging themselves and each other to achieve. Adults in the school were engaged in teaching yet were also modeling and guiding the students to take ownership of their learning and achievement by encouraging them to set their own goals. While students were practicing skills with partners or engaged in individual or student led small group work, teachers were visible and able to facilitate learning which allowed for limited interruptions, short transition times and little wasted time in the classroom. To maximize learning time, some principals described scheduling additional intervention time during breakfast and before the traditional instructional day begins. While the traditional school day starts at 7:45, students may come in the building and teachers who volunteer for "early duty" are present and available at 7:15 to conduct a read aloud before the instructional day technically begins. There is no shortage of volunteers, and students get breakfast while discussing literature, reading strategies and listening to a read aloud in banded grade levels. This example illustrates the teachers' and students' commitment to excellence and each other.

"We set an expectation---the whole school participates! One of our custodians came to me and asked 'what can I do in the morning?' and I said 'you can read!' so he reads to first and second grade students. But everyone wants to participate, so I told him if she (the teacher) is reading then you're crowd control. So when I tell you we have buy-in from everybody... Our expectation is "above and beyond" for the staff and for the kids." - Principal at BTOIS school.

Similarly interventions are offered during afterschool time for students as well to increase instructional minutes without removing children from Tier 1 instruction.

Examples of high expectations and a solution orientation changing the academic trajectory for students include a principal electing to participate in a program through one of the Centers of Excellence in South Carolina when attendance was a noted problem in the school. As a result of participating in this program, the principal collected data, analyzed drivers and reduced absenteeism, which is a known contributor to low achievement. Another principal described transiency as a problem in the school community. Upon learning that some families were living in a motel, the principal worked with community partners to create financial stability and empower these families. Ultimately consistency in educational placement and interventions for students was provided by addressing the problem of insecure housing.

"We partnered with them (community partners) to build three houses for families. So these families had to go through a whole mentoring program with families from First Presbyterian Church. They also had to go through counseling support, mental health and physical health support and become an active volunteer here at the school and community. They had to complete 70 hours of financial literacy for a grade. And once they did that, they received the keys to their homes at costs as a percentage... And so each of those families turned the key to their own home with equity. And so I think that's probably the thing I'm most proud of just positioning those single-mother families in need homes of their own with equity... We did that. Because quite honestly transiency is like I used to say it's like solving world hunger---but I think we can solve world hunger, so maybe that's not the right analogy... But I saw it as an opportunity to anchor families. So there's no better way to anchor folks than to provide constant shelter--them owning their own homes."





Effective Teachers/Strong Tier 1 Instruction:

Effective teaching practice and strong tier 1 instruction and very closely linked to high expectations, which is illustrated by the efficiency of the schedule to make the best use of time, coaching and curricular decisions. Alignment between instructional coaches, strong principals, and supportive superintendents of the leadership teams is a necessary component of strong tier 1 instruction.

"Well, our vision here is in guiding and developing leaders, and so the frequent perspective (is that) we are looking to provide students with the best read aloud, the best activities that go with math instruction, so that we can ignite their mind in the right way so that they can meet and exceed expectations. That's the overall vision and in the process of that there's all those leadership skills so that they can lead their own learning." - Principal at a BTOIS partner school.

Establishing and maintaining effective teaching practice requires candor and respect when communicating across all stakeholders in the school so that trust and collegial relationships remain even when improvement must be made so school staff can do so together. Examples of this could be seen in each of the BTOIS partner schools, perhaps most notably as staff left a school after BTOIS data collection and passed a principal and teacher debriefing informally and the principal was heard saying "I'd encourage you not to do that anymore in your classroom because...". This was an authentic moment that demonstrated the respect and honesty in which actionable information is conveyed to team members as part of continuous improvement and commitment to excellence. Another principal described being friends for years with some teachers in the building, and could not allow friendship to obscure professional feedback and leadership saying, "outside we are friends, in here, we have a job to do."

Classroom teachers are empowered to deliver high quality instruction with high quality resources, and design effective interventions to implement a robust Multitiered System of Supports (MTSS). An effective framework for MTSS was observed in both exploratory year 1 and confirmatory year 2 visits, however, there are scheduling differences to best meet student and teachers needs across these cohorts developed by the principal and instructional leadership team.

"We have an MTSS team that wraps around to attack that entire child just so the teachers can focus on teaching. So we meet weekly, myself the behavior coach, the social worker, parent involvement facilitator. When a referral comes and a kid gets a referral, that family gets a call from all of us. And we try to address (and work) through the problem. So for me... I try to take all the extra stuff off the teachers' plates, so they can teach." - Principal at a BTOIS partner school.

Classrooms and schedules were created to facilitate student learning and each BTOIS partner school demonstrated a relentless effort to preserve of instructional time. Time was scheduled for MTSS meetings, grade level meetings, longitudinal planning and PLCs. Teachers used the same language across grade levels to support student learning and executive function through reflection. For example, one school referred to "The Big 5". While the specifics and complexity of the Big 5 varied across grade levels and subjects, it referred to the priority skills and mastery of concepts students should be able to access after a lesson and served as a tool to support outcomes. Teachers and staff also used the Big 5, so this sustained a cohesive school culture. Another school utilized "I can" statements at the start of a lesson and later to reflect on mastery or supported practice. Classroom environments all had clear areas for whole class instruction, small group work, areas for centers or individual or partner practice. All decorations in the classrooms were used to activate knowledge or remind students about character.

Show Evidence on your Thinking Paper

 Cincle or Underline Key Words
 Eliminate Wrong Answers
 Reread Passage and/or Question
 Teach from belt to bed with a sense of urgancy
 The your data and know your students (Progress Monitoring Notebook)
 A. Small groups are pulled consistently and with purpose

 Find Text Evidence to Support your Answer

Support your Answer

MATERICO

LEMENTARY SCHOOL

Images 1 and 2: Big 5 examples for students and teachers

Images 3 and 4: Academic concepts illustrated for student use





Image 5: Emotional bank account display to encourage support in the school environment and character development



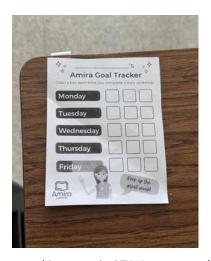
Consistent Use of Data

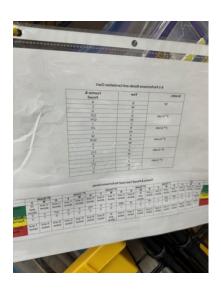
All BTOIS partner schools displayed data on the walls and used data to celebrate growth and to make strategic decisions to increase academic achievement. Data visibility was central to use as a tool to make instructional decisions and monitor progress, but also to motivate students and teachers in a non-punitive way. Data was used in aggregate form and individual student data was used in a consistent way during regularly scheduled meetings for instructional coaches, leaders and teachers. Data compels a sense of urgency in the school culture and is utilized for accountability within the school buildings and district as well as in the state accountability structure.

Students are involved in data use at the building level and also to promote growth to meet individual goals as part of the culture of the BTOIS partner schools. One teacher reported a sense of supportive healthy competition in classrooms because of consistent data use to meet the vision and goals. "My students will get a little competitive---if one sets a goal to read 3 books at a certain level it's not unusual to hear another student say, 'I'm coming for 5 books this week!" Some principals reported seeking out non-traditional data to answer the questions they have about how students are doing and what might be inhibiting well-being or academic success. There was never a report of using intuition to improve outcomes, rather frequencies were taken of behaviors indicative of need.

"I use data that answers the questions I want to know about---our SRO listens to scanners and knows if there's been an event where our students are so we can be responsive when they come to school the next day. I know who's regularly picked up late and who asks for more food at lunch. This tells me who might need different or additional supports." - Principal at a BTOIS partner school.







Images 6,7 and 8: A collection of data tracking seen in BTOIS partner schools.

Data is used for actionable interventions specific to students' needs and collaboration across teachers and grade levels often occurs. Professional Learning Communities (PLCs) are developed with student needs and teachers' skills so that they are relevant and immediately useable. Schools reported taking care to schedule around multiple intervention and/or special education service time so that students did not miss tier 1 instruction. A principal described how data informed instruction by saying "We have 45-minute blocks scheduled throughout the day for each grade level. So during that time, we call it "go time". During that time, all tier one instruction stops, and that's when we carry out the plan that we made in that PLC meeting. Here are the groups of kids that still aren't performing on these standards. So we group them, we determine who's (teacher) going to do what with them (students), and we carry that out during that 45 minute go time.... Our goal is for every student to have something that's going to move them forward during that time."

"But if there's one thing I would, I would duplicate anywhere I went, is that data room where you've got every child's name is on a board, and every single adult knows about that child, and every single adult knows everything about that child. And then you lead your teachers into that room to have those very vulnerable conversations about what is working for my kid, how I said that, how I did that, what questions I did, and then you require your teachers. We're going to take the best practices from that conversation and we're going to disseminate that across the grade level... And that is hard. It's not complicated. There's no tricks, but that is hard. You've got to do that to make meaningful, sustainable changes. You've got to be the leader that can be vulnerable, because the leader has to do that first. You can't push your teachers in there and say, 'Okay, y'all be vulnerable. Share your weaknesses'. I mean, (the principal) leads that by example."

⁻ Superintendent at a BTOIS partner school.

Culture

Culture refers to the implicit and explicit norms that shape actions and decisions within an environment. The BTOIS study illustrated that school culture was nested within and influenced the community culture in a reciprocal fashion.

School Culture

Teachers, principals, instructional leaders and parents reported that the school felt "like a family". The culture in the school was one of connection and support demonstrated by celebrations of incremental progress, informative and honest feedback, both positive and for corrective purposes. Strong relationships and authentic care for each other characterize the school culture in each of the BTOIS partner schools. Students are greeted by name by every adult in the building from the janitors, coaches, cafeteria workers to their principals. One school reported that when a student lost a sibling in a traumatic event, the child wanted to go to school the next day to let her classmates know she was not injured and to be supported by her peers and school community where she felt safe. Another example of this authentic care for members of the school community was illustrated by a parent whose child required a fanny pack with medication after a medical procedure and was nervous to wear it to school. The principal of the school wore a fanny pack and welcomed the child back to school to normalize the experience, which made the child more comfortable. One teacher reported that her husband would traditionally pack up her classroom for summer break. When her husband passed away, the principal and assistant principal sent her on an errand that was a "wild goose chase" and when she returned to the building, they had packed up her room so she felt supported after her loss.

"Teachers speak to each other every day; we never walk by each other without speaking. The children see that. We support each other—each teacher in the school, whether it's birthdays, baby showers, loss of a loved one—we make dinners, check in. We're here for the major parts of life and we really know each other. Everyone knows here, don't come around to chat before I've had my coffee, because they know me and after coffee, we can catch up."

- A teacher in a BTOIS partner school.

Each principal reported coaching teachers to buy in to the culture of the school, and occasionally coaching teachers unwilling or unable to align actions with the mission, vision, and goals of the school to a new position. Principals also strategically recruited talented teachers who completed student teaching at the school or who they knew from previous positions. Teachers who didn't agree with or align with the philosophy, mission or vision of the school left voluntarily or were replaced by an individual who shared the collective mindset. Every BTOIS partner school described a culture where each member of the school community was supportive of the collective vision to ensure that students have mastery of academic skills and knowledge aligned with the grade level learning standards. Buy-in across all members of the school community was evident.

"(The Principal's name) does such a good job getting his teachers to be solution oriented. You know, a lot of times in a high poverty school, you become just completely consumed with all the outside forces that are causing your students not to be successful. And he really has led his people to be 'there are no excuses'. When they (students) are here, we've got seven and a half hours and we are going to make them successful. And they believe it. Every single one of them believes it. That's one thing. He has done a awesome job at creating that same mindset with his support staff, from his receptionist to the custodians to the teacher aides to everybody. They are all part of making sure that his students achieve as high as possible. And if you were to ask them (school staff), they would say that. I mean, they're all educators here, every single one of them, and they all believe that."

- Superintendent of a BTOIS partner school

Teachers in each of the BTOIS partners schools reported feeling empowered, supported, and heard. As needs and challenges arose, teachers reported feeling encouraged to solve and honestly communicate problems and/or solutions. Unencumbered time was protected, yet teachers in one school preferred to meet with instructional coaches and grade-level teams during this time. Building leadership listened to this preference and if the teachers opted to forgo unencumbered time, they could sign a paper confirming this was their choice and set meetings with instructional leaders during that time instead for increased collaboration. Collaboration within and across grade levels and teacher skills sets allows for increased collaboration and healthy communication about strategies that will support high achieving behaviors to solve academic challenges for students not on grade level.

"It's not really an incentive, but it is an incentive, if you're going to get great results with your kids and build relationships with them, all I'm going to do is check in and see what you need, right? Like, I'm going to let you do your job, because I trust you as a professional to do that." Principal at BTOIS partner school.

"During our PLC meetings weekly, we meet on Thursdays. The interventionist is in there, our administrators, myself, our teachers, that's when they determine who needs what. And sometimes it's the teachers will determine, then, 'okay, I'm going to have this group, so here's what I'm going to do', and that sort of thing. So it's a team effort in figuring out (what skills students need and how to teach them), and yes, that problem solving, what do we need to do with this time to give them (students) what they need.... The collaboration, having teachers willing to sit and collaborate and work with each other, and somehow building that ownership of all means all. And it's not your kids and my kids. They're our kids. And the problem is we need them to meet this goal. What are we going to do to meet that goal?" - Principal at a BTOIS partner school.

Each individual in the BTOIS partner schools viewed problems or challenges as information about a need that could be addressed through intentional actions and not a permanent condition or sentence to low achievement. Even if a systemic or multigenerational problem was not solved, the immediate environment a student was functioning in was improved so the child can be successful in school. This mindset is illustrated throughout several examples across BTOIS partner schools including one principal's solution to transiency by working with community partners to stabilize housing for single-mother families, another's participation in technical assistance to reduce absenteeism, and efforts to connect to students who are multilanguage learners and include their families in the school culture. One school reported a portion of the student population who speak a Russian dialect, making translation a challenge. A parent who also speaks the dialect and is fluent in English volunteered to shadow each student when they arrive at school. Over the first day, the parent supports a child she has never met through translation and facilitates learning some unfamiliar school norms such as how to get lunch from the cafeteria, where the restrooms are, etc. Another school with a high population of Spanish speaking students, hosts a family literacy night where read aloud books are given to families and read in English and Spanish. This practice provides books in the home, in English and Spanish which will facilitate literacy and family engagement in literacy rich activities.

Image 9: Multilingual Read-Aloud Night in English and Spanish





Image 10: Character expectation signs in English and Spanish in a school with a high Spanish speaking student population

"Overall, I think this (work) is an effort to provide for this community what it rightfully deserves and that is an institution (of public education) that it can be proud of. But also, that equips students to one day live the American Dream that so many of our society just don't have access to. And so, when we took on the mantle of leadership here we all were very committed to the idea of what it means for black and brown children to have high quality education to shift their trajectory. And that's what it's been about over the last five years. We've been working so our students have options and we've been given the power and knowledge and the confidence to be those leaders that we talk about (with our students) ...every single day."

⁻ Principal at BTOIS partner school.

Community Culture

"Everyone is committed to reaching a shared vision by doing the same things." Community member at BTOIS partner school.

The characteristics of the community's culture, both those that facilitate student learning and those that inhibit, were seen and understood by the individuals at the BTOIS partner schools. The schools operated within the context of the community culture capitalizing on strengths, and engaging community members as partners to supplement and support student learning. Some stakeholders in the community include churches and business that can systematically provide volunteers to mentor or read with students, while others operate to raise funds to support the needs of the students in the school.

"We have a math intervention lab...First Presbyterian Church raised \$70,000 to help us create a math lab and pay the salary for individuals for one year. After proving the success of that model, the district agreed to funds to pay that position, but this is the last year of funding so we're going to look into funding that position a different way." - Principal at a BTOIS partner school

Connections between School and Community Culture

Members of the community were committed to the success of the school and students in it, and the school was commonly thought to provide value to the community. Similarly, characteristics of the community were valued by the school community. The school did not attempt to explicitly modify the community culture, but rather utilized a strength-based perspective of the unique characteristics that distinguish the community from other places.

Businesses allow employees time away from work to come mentor students on a consistent basis. Members of local churches and parents in the school also come to volunteer or send in needed items for classrooms such as paper or Clorox wipes. This practice moves from a scarcity perspective to a collaborative one and would not be possible if the school was not an open, warm place to be while communicating needs with community members.

Inter-related Nature of Culture and Other Themes

Culture is the foundation upon which all the other themes manifest. The culture of the school developed and maintained by the leadership team of principal, instructional team and superintendent sets high expectations that drive strong tier 1 instruction through a consistent use of data, thereby sustaining the school culture and promoting high achievement within the community culture.

"Well, one, I want a teacher that's going to fit in with our culture. First and foremost... I want a teacher that's not going to be afraid... 'I don't want to be in a tested grade or I'm afraid of the accountability'. I want someone that says, Nope, that's, what it's going to be, and I'm okay with that. I want teachers that are willing and want to collaborate with each other, because I think that's a huge part of the success, is you got to be willing to open up and share things you're good at, and be willing for other people to pour into you and share some things that they're great at. That makes us stronger. It's the culture. First and foremost. We can teach them (teachers) some skills, and we can develop teachers within that, but they've got to be willing to be a part of a team that we expect us to function at a high level, and we expect to get good results, and you got to be comfortable with that." - Principal at a BTOIS partner school.



Reconciling Differences in Year 1 and Year 2 Findings

There was one primary difference between the findings in the exploratory and confirmatory years of this study related directly to the schedule, but more broadly to leadership style and sustainability. In the exploratory Year 1 of the study teachers reported being empowered to change their schedule as they felt necessary to support the learning of their students. In the confirmatory phase of year 2 data collection, there was little authority over the schedule as intervention and differentiation occurred across grade levels in the school. As a result, if one teacher changed the schedule, it would disrupt the synchronized interventions that occur across the school, impacting multiple children.

Similarly in year 1, few principals discussed sustainability of the academic growth and achievement in their school should they move to a new position or retire. Conversely, most principals in the year 2 study had a succession plan for leadership in the school as they near retirement and were planning for sustained high academic achievement. Several principals in partners schools during the exploratory phase of year 1 transitioned to other positions, and in year 2 schools that had qualified as partner schools no longer met the criteria. It appears that leadership changes in BTOIS partner schools impact students achievement; however, this theory must be tested using additional data. For this reason, participating schools in the confirmatory phase of year 2 will be reviewed during the 2025-26 year and the theory will be updated to reflect if planning for sustainability and scheduling is seen to stabilize continuous high academic achievement and growth.

Other Findings of Note

Principals at each of the BTOIS partner schools across the exploratory and confirmation phases work incredibly hard in positions that have long hours and a great deal of emotional stress. Of the seven principals in the exploratory year 1 cohort, four transitioned to new positions and all principals in the cohort described symptoms of burnout. Inconsistent leadership inhibits sustained school success, so this finding is worthy of policymakers' time and attention. While many principals in confirmation phase year 2 described intentional efforts of self-care and succession planning like training assistant principals and instructional leaders so success is sustainable, factors that contribute to burn out remain. It is recommended that schools with new leadership are observed to see if high student achievement is maintained after transitions in leadership and that further research on preventing burnout be conducted and intentional efforts be piloted for principal retention in schools with greater than 75% poverty.

<u>Discussion</u>

While there were differences across the partner schools in the Beating the Odds Investigative Study, these differences were born from the same tenet of meeting students where they are to support their academic achievement. Students in different communities with different needs require strategies and solutions to support them in the context they are in. The framework for elementary schools holds across the exploratory and confirmatory years of the study, aligns with frameworks on leadership and culture, supporting children in poverty, and transforming schools for increased success.

Eight Critical Elements of Organizational Life

BTOIS showed that building leaders are paramount to improving academic outcomes for students in poverty. Research on leadership and organizational life describes strategy and culture as the primary influencers at the disposal of top leaders making these elements worthy of attention (Groysberg et al, 2024). The meta-analysis on leadership and culture published in 2018 and updated in 2024 entitled the Leader's Guide to Corporate Culture, states "Culture expresses goals through values and beliefs and guides activity through shared assumptions and group norms. Strategy provides clarity and focus for collective action and decision-making. It relies on plans and sets of choices to mobilize people and can often be enforced by both concrete rewards for achieving goals and consequences for failing to do so (Groysberg et al, 2024)."

"Getting everyone to buy in and be comfortable with here's where we are and here's where we want to be, and what are we going to be willing to put in the work to get where we want to be. I had to get staff to buy into that, or either, if you're not going buy in, then for yourself, you probably need to find somewhere else, but it fits me more within with what you want to do. So that was a challenge early on, and then even a few years into that, I felt like we're on that track."

- A Principal from BTOIS partner school.

Too often, culture seems elusive to leaders attempting to improve organizational performance, and in the context of BTOIS, allowing for that condemns educators and students in a culture of poverty and scarcity. While strategies are simpler and often managed well by leaders, it's often said that 'culture eats strategy for breakfast', so even when utilizing evidence-based best practices and sound strategies, culture can and must be managed by leaders to meet desired goals. Groysberg et al, define culture as:

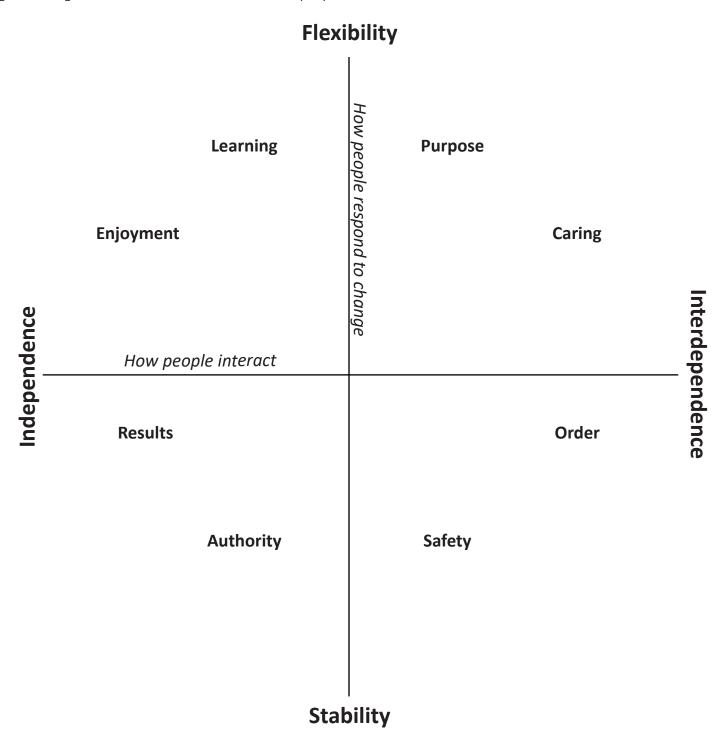
- **1. Shared:** Culture exists across a group and resides in shared behaviors, values, and assumptions that generate group norms.
- **2. Pervasive:** Culture permeates each level of the organization and is manifest in physical environments, group rituals, symbols, and stories. Culture is also present in unseen aspects of the school or organization in mindsets, motivations and unspoken assumptions.
- **3. Enduring:** Culture directs the thoughts and actions of a group over time and is shaped by the collective life events and learning of the group. It develops through attraction-selection-attrition model. People are drawn to organizations with characteristics like their own; organizations select individuals with the same ideals who tend to fit in, and over time those who don't fit in leave.
- **4. Implicit:** While some practices might be explicitly communicated, culture subliminal in nature and people have the innately human capacity to recognize and respond to it instinctively.

Research has found that two dimensions that apply to organizational culture regardless of type, size, industry or location: people interactions and response to change. People interactions refer to an organization's orientation towards how often and how people interact with each other. This ranges from highly interdependent to highly independent interactions to achieve organizational goals. Response to change refers to an organization's priority of consistency or predictability as opposed to adaptability and flexibility. From these two dimensions, eight distinct styles apply to both culture and leadership. Leaders or organizations can embody more than one style, with some combinations being mutually sustainable and others require more effort to maintain.

8 Distinct Culture and Leadership Styles from The Leader's Guide to Corporate Culture

- 1. Caring focuses on relationships and mutual trust. Work environments are warm, collaborative, and welcoming places where people help and support one another. Employees are united by loyalty and leaders emphasize sincerity, teamwork and positive relationships.
- 2. Purpose is exemplified by idealism and altruism. Work environments are tolerant, compassionate places where people try to do good for the long-term future of the world. Employees are united by focus on sustainability and global communities; leaders emphasize shared ideals and contributing to a greater cause.
- 3. Learning is characterized by exploration, expansiveness, and creativity. Work environments are inventive and open-minded places where people spark new ideas and explore alternatives. Employees are united by curiosity; leaders emphasize innovation, knowledge and adventure.
- 4. Enjoyment is expressed through fun and excitement. Work environments are lighthearted places where people do what makes them happy. Employees are united by playfulness and stimulation; leaders emphasize spontaneity and a sense of humor.
- 5. Results is characterized by achievement and winning. Work environments are outcome related and merit-based places where people aspire to top performance levels. Employees are united by a drive for capability and success; leaders emphasize goal accomplishment.
- 6. Authority is defined by strength, decisiveness and boldness. Work environments are competitive places where people strive to gain personal advantage. Employees are united by strong control; leaders emphasize confidence and dominance.
- 7. Safety is defined by planning, caution and preparedness. Work environments are predictable places where people are risk-conscious and think things through carefully. Employees are united by a desire to feel protected and anticipate change; leaders emphasize being realistic and planning ahead.
- 8. Order is focused on respect, structure, and shared norms. Work environments are methodical places where people tend to play by the rules and want to fit in. Employees are united by cooperation; leaders emphasize shared procedures and time-honored customs.

Figure 1: Integrated Framework of 8 Distinct Leadership Styles



Styles that are adjacent on the integrated framework are more likely to easily coexist in organizations across people without much effort, while styles across from each other are less likely to be found together and require more organizational energy to maintain at the same time. Some styles can be mutually reinforcing while other combinations can be confusing for employees, requiring energy from strong leadership to maintain.

An organization's surrounding environment or context and its goals shape the kind of leadership that will be most efficient. When aligned with strategy and leadership, culture drives and sustains positive outcomes.

How the Integrated Framework Looks in BTOIS Partner Schools

The BTOIS partner schools for exploratory year 1 and confirmation year 2 appear to have a culture that strongly emphasizes caring and purpose. A results orientation can certainly be seen; however the BTOIS partner schools clearly stated their goal to improve academic achievement, which is a result. A broader purpose for attaining excellent academic outcomes is to ensure students meet their potential and "can access the American Dream" in adulthood. Order can be seen in the cultures of BTOIS year 2 partner schools in the stability of the structure of the school's schedule. Competition is seen, which is often utilized in an authority culture. Risk-taking can also be seen, which happens in a learning culture. However, these are strategies that exist within the overall culture of caring and purpose to address the disadvantages that naturally exist within any culture.

Groysberg, et al summarized the advantages and disadvantages culture styles by describing how it typically appears in organizations. Table 1 shows the most common culture styles found in BTOIS partner schools.

"It's like a family! We care about each other!"

"We are not going to love them into failure."

"They are all our children."

- quotes from BTOIS partner school teachers

Table 1: BTOIS Partner Schools most Defining Cultures Advantages and Disadvantages

Culture Style	Advantages	Disadvantages
Purpose: purpose-driven,	Appreciation for diversity,	Overemphasis on long-term
idealistic, tolerant	sustainability, social	purpose and ideals may get in
	responsibility	the way of practical and
		immediate concerns
Caring: warm, sincere,	Strong teamwork, engagement,	Overemphasis on consensus
relational	communication, trust, and a	building may reduce
	sense of belonging	exploration of options, stifle
		competitiveness, and slow
		decision-making
Results: Achievement driven,	Improved execution, external	Overemphasis on achieving may
goal focused	focus and capability building,	lead to communication and
	and goal achievement	collaboration break downs with
		higher levels of stress and
		anxiety

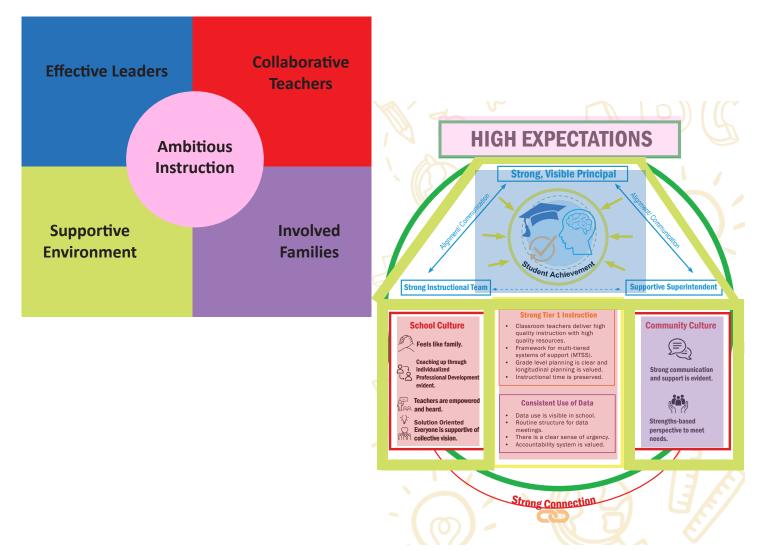
In future BTOIS efforts, it is recommended that an additional data point be collected asking school employees and parents to complete an organizational cultural profile evaluation. While researchers are able to align leadership and culture at these schools using observations, the lived experience as a participant in the school culture will have an important perspective. Additionally, if school employee or parent responses have a low or high degree of convergence or agreement, it will be telling because it is correlated with employee engagement and stakeholder orientation.

5Essentials®

The University of Chicago developed a framework of <u>SEssentials</u> organizational conditions that influence student learning. The 5Essentials factors for school improvement are effective leaders, collaborative teachers, involved families, supportive environment, and ambitious instruction. Research shows that schools strong in at least three of the five essential components were 10 times more likely to show substantial growth in academic achievement than schools weak on three or more of the five essential components. A low score on one of the five essential components reduced the likelihood of improvement to less than 10% (<u>UchicagoImpact</u>). The 5Essentials strength or weakness on each component is measured using the 5Essentials Survey which has reliably predicted school success in elementary through high school levels improving graduation rates, freshman on-track measures, test score gains, and attendance rates. It is recommended that BTOIS partner schools interested in piloting the 5Essentials be supported in doing so for sustainability or other schools with 75% or higher poverty ratio not scoring an Excellent Overall Rating on school report cards be invited to pilot.

This framework for school improvement resonates with the grounded theory developed for elementary schools in the Beating the Odds Investigative Study. Strong Leadership is aligned with the strong leadership team of a strong visible principal, strong instructional team and supportive superintendent components of BTOIS framework. Collaborative teachers of the 5Essentials are represented in the BTOIS theoretical framework in strong tier 1 instruction and consistent use of data, but most powerfully in the school culture. Involved families from the 5Essentials are included in the community culture of BTOIS. A supportive environment is represented in the leadership team, and well as the school and community components of the BTOIS theoretical framework. Ambitious teaching parallels high expectations.

Parallels of 5Essentials® framework and BTOIS theoretical framework



<u>Center of Excellence to Prepare Teachers of Children of Poverty Best Practices</u>

In 2004, Francis Marion University established a <u>Center of Excellence to Prepare Teachers of Children of Poverty</u> to empower teachers to address the challenges that covary with poverty in schools. The center has training and resources to empower teachers of students in poverty to use the 25 best practices identified by research to mitigate the effects of poverty. Table 2 defines the 25 best practices and denotes if there was evidence of and opportunity to observe these practices in BTOIS partner schools.

Table 1: Center of Excellence to Prepare Teachers of Students in Poverty Best Practices **Center of Excellence to Prepare Teachers of Students Observed in BTOIS Partner School** in Poverty Best Practices Yes Best Practice 1, Build Relationships: There are "In the mornings, we have where we have those that first 10 immediate and long-term positive impacts of building minutes while we're eating breakfast, where we can sit and supportive relationships with students as measured by we can talk, we got to 10 minutes this morning. So it was both quantitative and qualitative instruments. When important to get here on time. So you're here on time, so a positive relationship is established and maintained you can have that time to talk and say, "Hey, good morning, a student is more likely to attend school regularly, put here's what's happening..." They're big on sports right now, forth greater efforts, encounter fewer disciplinary everybody who's playing football and basketball right now. episodes and achieve at high levels. So they're, they're getting to the age now where they're learning those fundamentals. And they're learning about teamwork. And they're getting to play outside people. So they're coming in, and they're excited about it and say "hey, we have a game on Saturday, we play this team...so just building that rapport with them to know what's going on, and then being able to support them on those weekends too. So they're coming in and saying "hey—(Our teacher) was at the game Saturday!" They're excited about that. So just building that rapport to let them know, like, we want you to succeed here in school, but also outside of school, but you have to have those characteristics to make sure that you know you're doing both in and out of school." Best Practice 2, Increase Status: Status is the amount Yes of honor or prestige a person has within their group "I started a system with a sticker chart and if they pass their and is included in Maslow's hierarchy of needs. When cold read on Fridays, they get a sticker and if they get 5 teachers ensure that students have routes to high stickers they get to go to the 'sticker store' and get a fancy status in the classroom and school community, mastery sticker for their water bottle or their note book, and they are of academic material becomes more efficient. jazzed about it and it's cool to earn stickers and they all want to and they can, so letting them in on it." Yes **Best Practice 3, Grow Emotional and Soft Skills:**

Emotional and soft skills such as self-regulation, social problem solving, and resilience are required for school and long-term success. While emotions are hard-wired, emotional responses must be taught. Educators who understand social emotional development and can provide instruction for learners empower students with a broad array of appropriate emotional responses for the school environment and other socially complex settings.

"We have mental health specialists that are provided by the district so I have a student who is learning how to cope with anger, and one who is learning how to cope with separation."

Center of Excellence to Prepare Teachers of Students in Poverty Best Practices

Observed in BTOIS Partner School

Best Practice 4, Understand the Goals of Behavior:

Research shows that students who chronically exhibit challenging behavior do so to accomplish a specific goal. The Center of Excellence to Prepare Teachers of Children of Poverty have synthesized research about persistently challenging behavior and found that there are four primary goals: attention, power, revenge, and inadequacy. Educators who understand that behavior communicates a need or attempts to meet a need are able to ensure that students have opportunities to achieve these goals and meet their needs in socially appropriate ways. This practice will reduce punitive responses to challenging behavior, thereby preserving relationships and supports growth of emotional and soft skills.

Yes

"With children from backgrounds like ours come from you don't always know what they've seen or been taught, so administration and the counselor try to figure out why a child is behaving this way and get to the root of the behavior, then support them because a lot of times for our kids, no one has taught them or modeled for them how to cope with a situation that didn't go the way you wanted it to..."

Best Practice 5, Decrease Stress: Toxic stress alters brain chemical production and blood flow, and while it can occur in any demographic, it is more likely to affect students in poverty. Poverty increases the likelihood that children will experience traumatic stressors and becomes a roadblock to learning. Educators who are able to understand the impact of stress and teach stress-reducing strategies will help students perform better in school and live more productive lives.

Yes

"My 15 minutes, I read, we do yoga—just to calm, with our 3rd through 5th graders."

Best Practices 6 & 7:

Motivate: Motivation can be measured as the sum-total of the value students place on the learning experience combined with the belief that they can be successful. When educators can 1. increase value of a learning experience by making it relevant and 2. create learning environments where students perceive themselves as successful, motivation and engagement in the learning process increase.

Best Practice 6, Motivate: Increase Hope and

Expectancy of Success: Hope and optimism positively alter chemicals in the brain and influence decision-making and problem-solving abilities that contribute to a believe that one can be successful. Educators who implement practices to ensure that students have a sense of hope and an expectation of success understand are more resilient and understand that mistakes are not permanent. These students become more persistent learners who put forth required effort to be/become successful.

Yes

"We're building the foundations for them with their character traits, showing them that people care that their voice matters. And when we're building those strong foundations here in elementary school, that way, when they go on from us, they feel equipped to make a difference."

Best Practice 7, Motivate: Increase Value: A belief that learning is important and relevant increases engagement and commitment to learning throughout challenges. Educators who implement practices that connect learning to real life and the interests of the students are more likely to have students who are persistent learners able to put forth effort required to succeed.

Yes

"When students grow on their star or benchmark test, she (the principal) gives them incentives. So like they've had a Popcorn Party, snow cone party, a smores party, a dance party-- a couple years ago she brought a video game truck! Yeah, she's she celebrates. She celebrates with things the kids like, she makes them feel good for making progress."

Center of Excellence to Prepare Teachers of Students in Poverty Best Practices	Observed in BTOIS Partner School
Best Practice 8, Grow Mindsets: Students with a growth mindset believe that with effort, persistence, and effective strategies abilities and intelligence can be developed. Educators who	Yes -"It's never ok for kids to get a bad gradeit's always let's try this, let's do thatthe plans that I see (so kids can learn to be successful), it's amazing."
cultivate a growth mindset develop students who are more likely to put forth effort, view mistakes as opportunities to learn and persevere through difficulties in school and life.	"they (the teachers) see and expect the best in every child—they see the potential and not the limitations and see the best and expect the best in every child."
Best Practice 9, Accommodate: Students in poverty who struggle at school often do so because they are missing key resources or foundational knowledge that can help them succeed. Educators who understand the negative impact of absent resources and can identify, mitigate, and/or assemble a suite of accommodations for students who require them have more academic student success.	Yes - All schools used data to assemble interventions and extra practice to build foundational knowledge and background skills.
Best Practice 10, Maintain High Expectations: High expectations and a belief that students can achieve and maintain high educational standards for all students in a school drive a culture of achievement and resiliency regardless of poverty and covarying challenges. High expectations are the result of a belief that with time and appropriate supports, all students can learn and meet high standards for learning, achievement and future success.	Yes -"We are not going to love them into failure!"

Center of Excellence to Prepare Teachers of Students in Poverty Best Practices

Best Practice 11, Decrease Health Impacts: Students in poverty are far more likely to suffer from the negative effects of life in unhealthy environments and/or the absence of a medical or dental home. Educators who understand the connection of good physical and emotional health with academic success create connections for students and their families to resources that can help mitigate the negative impacts of poor health.

Observed in BTOIS Partner School

Yes - Schools have mental health counselors and some have dental visits at the school, schools report hearing and vision screenings for students

"And our assistant principals in charge of MTSS meetings, and I have several children that are all in green, looks great on paper, but I see some things that concern me enough that we address it because she (the assistant principal) wants it caught NOW. let's see if the child needs to go to the doctor, then let's do it. Let's get it done in kindergarten. If they need their eyes checked. It could be an issue with that. If you know it could be you know that they need, maybe other behavior interventions, that kind of thing, and it's all addressed, even though the data looks good on paper, yeah, what I'm seeing in the room can tell a whole different story, and I'm free to bring that up."

Center of Excellence to Prepare Teachers of Students in Poverty Best Practices

Best Practice 12, Build Family/Community Partnerships: Students are more successful when their family members are positively engaged with the educational environment. Community partnerships lead to greater school success for the entire student population. When educators and school leaders use goal-focused family and community engagement strategies are more likely to cultivate a positive school community that leads to academic and life success.

Observed in BTOIS Partner School

Yes - "We set goals in the MTSS meeting, sure the parent is, you know, part of the process. Okay, we always let the parents speak first in the meeting. Are you seeing some issues? Do you have any concerns? And then, you know, we kind of lead into, well, this is kind of what we're seeing. And nine times out of 10 they're like, you know, yeah, you know, at home, I can't get them to do their homework. They can't sit still. They're not attending. They're not, you know, I have to drag it out of them, all these kinds of things. And I'm like, Okay, well, this is also what I'm seeing, you know, in the classroom. And then we work together to set a goal. I'll have a goal for the classroom, but then the parent leaves with goals too. Okay, so it's not just the teacher is going to do it, yeah? Now what are you doing? Mom, what are you going to do, dad?"

Center of Excellence to Prepare Teachers of Students in Poverty Best Practices

Observed in BTOIS Partner School

Best Practice 13, Proactively Guide using "ME" Strategies:

Research indicates that proactive guidance strategies can positively impact classroom culture and community, and ultimately the academic success of learners. Educators who anticipate and plan for the needs of students are more likely to engender a more collaborative and conflict-free learning environment that sets the stage for academic success. A primary cause of student misbehavior is teacher miss-steps. Teachers change their own behavior and create a learning environment that promotes student success with high rigor.

Yes

"And so building that relationship and then feeling comfortable telling me when things are going on at home or drama they're having that helps me stop future behavior problems in the classroom, because I know what's going on. And I will (know), they said that to them yesterday, so they're not going to speak to them (today). And they're going to want to say this (and argue). So it kind of helps me, so I can stop it (behavior problems) before it happens."

Best Practice 14, Make Learning Fun: Dopamine is one of four neurotransmitters that signals the brain about the worth of an experience which directly impacts motivation to begin work and satisfaction of completion. Teachers who understand the connection between pleasure, joy and motivation craft learning experiences with this in mind because students work more enthusiastically and persistently when pleasure is associated with a task.

Yes

"And we celebrate achievement, but it's not just a test score—I want their experience around gaining academic knowledge to be one of bliss!" Teacher at a BTOIS partner school

Best Practice 15, Build Background Knowledge: Background knowledge has also been viewed as a set of skills, vocabulary, and experiences that provide a foundation and serve as a gatekeeper for future learning. Research indicates that neural networks are built as information in received. Educators who understand that absent background knowledge can be built, and that it takes time and practice to do so, create learning environments that support the development of new neural structures and establish school and class policies and practices that encourage acquisition and mastery of background knowledge.

Yes

"We are intentional... (instructional leader's name) will say 'this group of students needs to be on this level to build these skills, so those like-students are grouped together that is where they and start.' If it's math—this sweet woman took a whole summer on her own time, and took our state standards... she literally took all the math standards for every grade level and created a below grade level, on grade level, above grade level small group instruction lesson. With resources and assessments to hand to the teachers, by topic. So for that 30 minutes, we expect you to teach deeply...then you have the assessment to see if they've got it."

Best Practice 16, Grow Prefrontal Cortex Skills (Executive Function and Memory Trace): Executive function involve cognitive strategies that include analyzing, problem solving, activating for work, prioritizing, assessing risk and delaying gratification. The prefrontal cortex is the part of the brain responsible for the cognitive strategies of executive function, and it does not fully mature until early adulthood. It is best practice for elementary educators to create learning environments that support the growth of executive function without punishing it's absence in young learners. Memory trace is a complex cognitive process that refers to encoding, storage, and retrieval of information in the brain. Repeated, meaningful exposures strengthen neural coding. Educators who understand memory development and use memory-enhancing strategies will enhance learning for students.

Yes

"The kids want to come, and plan to participate, then they come home and are excited about what they've accomplished!"

"If you ask any of these kids, you know, 'what is my goal I need to reach, and then what is my stretch goal'? And they will all know that, yeah, so that self monitoring is really powerful for those kids."

Center of Excellence to Prepare Teachers of Students in Poverty Best Practices

Observed in BTOIS Partner School

Best Practice 17, Align Instruction and Assessment:

School accountability is largely centered upon student achievement as measured by standards-based assessments. Educators who methodically unpack standards in an effort to understand the intended cognitive level of Bloom's taxonomy and level of rigor according to Webb's Depth of Knowledge are more likely to plan instruction and assessments that focus on outcomes that are measured in standardized assessments.

Yes

"And I think it made a big difference is to put some of those test prep lessons as lessons on the shelf. When you do the metal insets (manipulative) for example with fractions, then your recording will be a test prep question. You know, stated like a test would state it and that has the same content knowledge or skill knowledge..."

Best Practice 18, Purposefully Teach: Instruction that is purposeful with an identified goal with a complete instructional process focused squarely on that goal results in better outcomes for students in poverty. The entire instructional process---data collection that informs instruction, teaching, and assessment must all be driven by the defined goal.

Yes

"Our phonics program we use tells me every single day, which kids got it, which kids need a little bit more support, and which kids would benefit from me pulling a small group and reteaching it completely."

Best Practice 19, Explicitly Teach: Teacher-directed, explicit instruction is systematic, direct, engaging and successoriented. When used effectively, it can successfully accelerate achievement for all students. Educators who strategically employ explicit learning situations provide modeling that offers students a clear, multi-sensory model for learning skills or concepts.

Yes

During classroom observations explicit, direct instruction was observed.

Best Practice 20, Question Strategically: Effective questions posed within the learning environment elevate cognitive rigor. No longer only utilized to assess what students know, best questions engage the learner, prompt deep study and expand learning. Educators who employ effective questioning techniques will challenge students to demonstrate and communicate their thinking and learning.

Yes

Observed in small literacy groups

Best Practice 21, Use Data and Feedback to Drive

Instruction: Data collected and analyzed provide direction for goals and instructional decision-making. Educators who systematically and authentically use a four-step improvement cycle that includes data collection, analysis, planning and implementation are able to make informed adjustments for each student.

Yes

"We know at the beginning of the school year what MTSS tier students are in, if they have an IEP, 504, MLL have speech or OT services and if they've been retained. Teachers get data from previous year (reading and math MAP, and core phonics survey from LETRS), then there's more data (color coded) and we can look at a child all the way across fall and winter... and really look at one student and see if they are on track and how interventions are working... We use archival data to build supports for this year."

Center of Excellence to Prepare Teachers of Students Observed in BTOIS Partner School in Poverty Best Practices Best Practice 22, Infuse the Arts: Arts education, including dance, music, theatre, media arts, literature, design and visual arts is a core academic subject and an essential Yes element of a complete and balanced education for all students. Educators who value arts education understand its Each school has related arts classes and some have link to neural development and positive academic and social afterschool programs outcomes, and its ability to establish a more level playing field for learners who will not otherwise have access to enrichment experiences. **Best Practice 23, Use Technology Effectively:** Technology Yes is positioned as a rapidly changing component of formal "In one of our staff meetings, we made a video as a teacher education programs. Educational leaders and teachers about how we wanted our classroom to be. And then so I who understand the impact of technology and the evolving just gave my students criteria, what have they had to do in resources and associated challenges are able to make their video: They had to state their opinion, give the reasons informed decisions about questions related to policy, why, and then just to add, like, the video aspect, stuff that curriculum, and practice. had, like, a graphic or something, yeah, and they actually, they tried and they did it! Their videos are very short, but it's first grade. **Best Practice 24, Grow Language and Literacy:** Language and literacy skills are identified as those that are critical to success in all content areas, and students who have these Yes needed skills are more likely to be successful in school and in life. The body of educational neuroscience termed the LETRS training and intervention efforts "science of learning" provides guidance for best practices for growing these critical skills. Educators who understand how the brain learns to read and how to motivate for authentic student engagement in language and literacy learning can build these necessary skills. Best Practice 25, Lead: Educator leadership extends beyond Yes the traditional school or district leaders. Collaborative I want teachers that are willing and want to collaborate with teacher leadership assumes that influence can extend each other, because I think that's a huge part of the success, beyond the classroom and educators can help change school is you got to be willing to open up and share things you're culture by assuming a range of roles and responsibilities that good at, and be willing for other people to pour into you support school and student success. and share some things that they're great at. That makes us stronger. It's the culture."

Visible Learning

John Hattie and colleagues conducted a meta-analysis of teaching practices and strategies that most impact academic achievement and learning. This research utilizes a statistic known as effect size to indicate the power of an influence on student achievement, and an effect size can be positive or negative. In the Illustrated Guide to Visible Learning, Hattie states that "the average influence of all the things we do in school is about 0.40." Meaning that effect sizes over 0.40 have the greatest potential to improve learning outcomes for students, and those below 0.10 have a negative effect on achievement. From this research that took place over decades and continues to grow in the Meta* database, Four Big Ideas emerged:

- 1. Climate first, learning second, achievement third
- 2. Students should drive their learning
- 3. Know thy impact
- 4. Collective responsibility for learning.

These Four Big Ideas are aligned with both the theoretical framework developed from findings of the BTOIS, but also the 5Essentials. Climate, relationships, strong tier 1 instruction with high quality instructional materials and culture and leadership that fosters collaboration to support all student learning are themes that resonate across these frameworks.

The Four Big Ideas become more specific when considering the 11 Signature Practices of Visible Learning.

Signature Practice 1, Classroom and School Climate

Expectations play a central role in classroom and climate that are conducive to high achievement. Parent expectations that their child can achieve have an effect size of 0.50, teacher expectations that are high for all students have an effect size of 0.90, and student expectations of their own achievement have an effect size of 1.23. This tells us that when teachers and families have high expectations for students in a manner that fosters students' high expectations of themselves it is a very powerful influence in classrooms.

High expectations are a central component of the BTOIS framework, aligned with the 5Essentials element of ambitious instruction, and Best practices 6,7, 8 and 10 from the Center of Excellence to Prepare Teachers of Students in Poverty (Motivate students by creating environments where students see themselves as capable and successful, increase hope, provide for a growth mindset, and maintain high expectations).

School climate that facilitates belonging has an effect size of 0.46. Belonging was discussed in many focus groups where parents discussed their children feeling like an important part of the classroom and school community, and teachers reporting that students will return to school after a traumatic event to prevent classmates from worrying about them. Classroom cohesion has an effect size of 0.66. School climate includes teacher relationships, and throughout BTOIS teachers illustrated the "school feels like family" and "they are ALL our children", and Hattie's research shows 0.62 impact on student teacher relationships, and the student support effect size being neutral at 0.32. Best practice 1, 2, 3, and from the Center of Excellence to Prepare Teachers of Students in Poverty are to build relationships, increase status in the classroom, and grow emotional soft skills which are seen throughout the BTOIS data. Belonging and relationships also align with the 5Essential elements of supportive environment and collaborative teachers.

Signature Practice 2, Teacher Clarity

Teacher clarity in both expectations and instruction allows for students to better plan, predict, set goals, and judge their own learning, thereby facilitative executive function and students driving their own learning. Teacher clarity is an umbrella term for the most crucial elements of teaching effectiveness and overall has an effect size of 0.85. Ensuring students understand the criteria (effect size 0.88), explaining content (0.70), teacher decisions based on assessment of student learning and organizing instruction so that it is built systematically, logically, and intentionally (both have an effect size of 0.64) are the most influential elements of teacher clarity.

Teacher clarity aligns with the strong tier 1 teachers and consistent use of data found in the BTOIS, and with ambitious instruction in the 5Essentials framework. Best practices 9, 15, 17,18, 19, 21, and 24 from the Center of Excellence to Prepare Teachers of Students in Poverty are reflected under the umbrella term of teacher clarity.



Signature Practice 3, Phases of Learning

Hattie describes learning evolves and begins at the surface level of understanding and with intentional experiences grows to deep learning. This requires students to make connections between and among concepts and skills they are learning and requires a transfer of both knowledge and skills. Formal discussions and Jigsaws have the greatest influence on the transfer of knowledge (1.20 and 0.82 respectively). These practices were both seen and described in BTOIS data collection, and are represented in Best practices 15, 16, 18, 19 and 20 from the Center of Excellence to Prepare Teachers of Students in Poverty. Similarly they are aligned with the 5Essentials element of ambitious teaching.

Signature Practice 4, Teaching Students to Drive Their Own Learning

Hattie has developed six characteristics of students who drive their own learning which has an effect size of 0.96. These characteristics are:

- 1. Know their current level of understanding
- 2. Know where they are going and are confident they can get there
- 3. Select tools to guide learning (graphic tools and concept maps have a 0.62 effect size)
- 4. Seek feedback and recognize errors or opportunities to learn
- 5. Monitor their own progress and adjust their learning
- 6. Recognize their learning and knowledge and can teach others.

These characteristics were taught and fostered in the BTOIS partner schools and were facilitated through a culture that used data and spoke with students about achievement data and goals. These conversations were guiding children to take more ownership over their own learning. Signature Practice 4 aligns with the outcomes of strong tier 1 instruction and consistent data use in the BTOIS grounded theory framework and align with best practices 16 and 18 from the Center of Excellence to Prepare Teachers of Students in Poverty. They are also reflected in the ambitious teaching and supportive environment components of the 5Essentials.

Signature Practice 5, Teaching with Intent

Instructional strategies must impact learning or they must be changed, so teaching with intent refers to selecting, using, and adjusting instructional strategies to meet the intent of instruction, which is student learning. Collaborative learning (effect size 0.45) requires sufficient surface knowledge before students can appropriately engage in tasks, and can be facilitated through other strategies with high impact including reciprocal teaching (effect size 0.74), classroom discussion (effect size 0.82), constructivist teaching strategies (effect size 0.92) and jigsaw (effect size 1.20).

The influence of these instructional strategies provides specificity for the element of ambitious instruction in the 5Essentials, and evidence or report of these strategies being used in BTOIS partner schools was reflected in the grounded theory element component of strong tier 1 instruction. Teaching with intent aligns with best practice 18, Purposefully Teach, from the Center of Excellence to Prepare Teachers of Students in Poverty.

Signature Practice 6, Practice and Over-Learn

Practice with deliberate feedback and intentional use and reflection of feedback can be an important part of the learning process. As students are beginning to learn content they are said to be in the acquisition phase, and move to fluency when they can complete a task correctly consistently. From their they move to the maintenance phase where learning is sustained over time, then generalized and can be completed correctly in different contexts. Moving through these phases of mastery requires practice, and repeated practice can support students automating skills and knowledge leaving more working memory to make connections across content and build on knowledge. Deliberate practice which includes meaningful use of specific feedback and guided activities to mitigate errors in thinking, has an effect size of 0.49.

Teachers in BTOIS partner schools understand the importance of feedback in practice opportunities that are offered in homework. One instructional leader said "We don't give a lot of homework, because unless mastery is really there, because practice doesn't make perfect it makes permanent. You can practice something incorrectly and then we're worse off than we were before." These statements illustrate the strong tier 1 instruction reflected in the grounded theory of BTOIS, and ambitious instruction of the 5Essential elements. Practice and over-learn aligns with best practices 16 and 19 from the Center of Excellence to Prepare Teachers of Students in Poverty.

Signature Practice 7, Feedback

Effective feedback has an effect size of 0.51 and can support the growth and development of reflective skills in students and executive function. Strong feedback is:

- 1. Goal referenced- helps students advance toward stated goals
- 2. Tangible and transparent- if students are having difficulty illustrate their performance and the goal performance
- 3. Actionable- outline next steps and give the chance to strengthen work
- 4. User friendly-make sure students understand the feedback and don't use jargon
- 5. Timely-delayed feedback brings with it memory challenges, but immediate feedback may make students teacher dependent
- 6. Ongoing- feedback that occurs throughout learning allows for students to adjust their performance
- 7. Consistent- align feedback to rubrics, exemplars and success criteria
- 8. Future focused- ensure that students understand this feedback can influence future efforts for continuous improvement and lifelong learning

Strong feedback is received differently depending on the relationships you have with students and there are four conditions that increase the likelihood that feedback will work: care, credibility, clarity, and communication. Reinforcement and cues have an effect size of 1.01. These were observed in BTOIS partner school classrooms, but also through larger celebrations that reinforce both skill and effort/approaches to learning. Feedback is part of the strong tier 1 instruction component of the BTOIS grounded theory. Strong feedback is also aligned with the element of ambitious instruction of the 5Essentials and is best practice 19, Explicitly Teach from the Center of Excellence to Prepare Teachers of Students in Poverty.

Signature Practice 8, The Power of the Collective

Hattie's research describes a reciprocal relationship between individual and collective efficacy, where as one gets stronger, so too does the other. The group's shared confidence in the capacity of the class or school together to complete the necessary steps to accomplish a goal influences the individual's belief in oneself and vice versa. Efficacy is fueled by teacher credibility which has an effect size of 1.09. PLCs build both credibility and collective efficacy across teaching staff and in classroom communities.

The power of the collective illustrated by the school culture and leadership and sustained by PLCs and daily practice with a solution orientation are primary themes in the BTOIS grounded theory. The power of the collective is also represented in the collaborative teachers element of the 5Essentials, and is adjacent to the best practices of building relationship and maintaining high expectations (1 and 10) from the Center of Excellence to Prepare Teachers of Students in Poverty.

Signature Practice 9, Leading and Learning

School building and district leaders have a great impact on the school climate and culture that impacts the learning lives of students. Some high impact practices that leaders engage in include: leading teacher learning and development (effect size 0.84), establishing goals and expectations (effect size 0.42), and ensuring quality teaching (effect size 0.42). Leader credibility in schools has five major components: trust, competence, dynamism, immediacy, and forward thinking. All of these qualities were observed in principals and instructional leaders of BTOIS partner schools, and each of the impactful strategies were observed and reported. Strong leadership is a central element of the BTOIS grounded theory framework, and is also represented in the 5Essentials component of effective leaders. Best practice 25, lead is adjacent to this signature practice as it refers to teachers leading to shape culture; however, the qualities and strategies described in this best practice are similar.

Signature Practice 10, Implementation

Various strategies and influences have the potential to impact learning and achievement in schools; however, they must be implemented to influence student learning with progress monitoring. Fidelity of implementation requires reflection, and coaching. How high probability of impact strategies are implemented and used in schools determines an impact on student achievement; therefore, the appropriate high probability strategies must be implemented soundly for student achievement to improve.

BTOIS partner schools demonstrated this knowledge through their MTSS meetings and data discussions that shaped instruction. The practices of coteaching and teacher observation and reflection also support sound implementation of appropriate instructional strategies. These elements are reflected in the Strong Tier 1 Instruction section of the grounded theory framework for BTOIS partner schools. This is reflected in the ambitious instruction element of the 5Essentials and best practices 19 and 21 from the Center of Excellence to Prepare Teachers of Students in Poverty.

Signature Practice 11, Evaluative Thinking

Teachers must use evidence that a practice is working to determine if they will modify or continue to use it, and this skills has been described as data driven decision making or evaluative thinking. Hattie describes evaluative thinking as:

- 1. Being nosy with a reason: Educators must know the impact of decisions on student learning
- 2. Building an evidence base for learning: Educators must continuously generate visible data that makes student thinking and learning visible
- 3. Noticing: While generating visible evidence of thinking and learning, educators must recognize what is working. This is best done in community of colleagues.
- 4. Acting: Educators must make sense of data and act upon ensuring foundational skills are mastered.

Evidence of evaluative thinking is seen through the data consistently used and displayed in the BTOIS partner schools and the MTSS meetings and data walls. Teachers in BTOIS partner schools met within grade levels and longitudinally with instructional coaches and administration to analyze and make instructional decisions using data. This is reflected in the BTOIS grounded theory in the consistent use of data component and the ambitious instruction section of the 5Essentials. Evaluative thinking is also listed in best practice 21, use data to drive instruction, from the Center of Excellence to Prepare Teachers of Students in Poverty.

Table 2: Visible Learning Signature Practice Alignment with Best Practices from the Center of Excellence to Prepare Teachers of Students in Poverty

Visible Learning Signature Practice	Best practices from the Center of Excellence to	
	Prepare Teachers of Students in Poverty	
Classroom and School Climate	6. Motivate: Increase Hope and Expectancy of	
	Success	
	7.Motivate Increase Value	
	8.Grow Mindsets	
	10.Maintain High Expectations	
2. Teacher Clarity	9. Accommodate	
	15.Build Background Knowledge	
	17. Align Instruction and Assessment	
	18.Puposefully Teach	
	19.Explicitly Teach	
	21.Use Data & Feedback to Drive Instruction	
	24. Grow Language and Literacy	
3. Phases of Learning	15. Build Background Knowledge	
	16.Grow Prefrontal Cortex Skills (Executive	
	Function and Memory Trace)	
	18.Purposefully Teach	
	19.Explicitly Teach	
	20.Question Strategically	
4. Teaching Students to Drive Their Own	16.Grow Prefrontal Cortex Skills (Executive	
Learning	Function and Memory Trace)	
	18.Purposefully Teach	
5. Teaching with Intent	18. Purposefully Teach	
6. Practice and Over-Learning	16. Grow Prefrontal Cortex Skills (Executive	
	Function and Memory Trace)	
	19.Explicitly Teach	
7. Feedback	19. Explicitly Teach	
8. The Power of the Collective	1.Build relationships	

	10.Maintain High Expectations
9. Leading and Learning	25.Lead
10. Implementation	19.Explicitly Teach
	21.Use Data and Feedback to Drive Instruction.
11. Evaluative Thinking	21. Use Data and Feedback to Drive Instruction

Differences in Signature and Best Practices

Several best practices from the Center of Excellence to Prepare Teachers of Students in Poverty are not explicitly represented in the signature practices of visible learning. Specifically best practices 4. Understand the goals of behavior 5. Decrease stress 11. Decrease health impacts, 12. Build family and community partnerships, 13. Proactively guide using "ME" strategies, 14. Make learning fun, 22. Infuse the arts and 23. Use technology efficiently are alluded to, but not specifically addressed. This does not mean these practices don't have value in high poverty schools, but rather Hattie's work is built from classroom practices to facilitate learning so some important variables like physical health do not fall within the scope of this research. They do however align with broader tenets of the big ideas without being addressed in a focused manner in the signature practices. Similarly, the 5Essentials element of involved families was not expressly addressed in the signature practices; however, family engagement is reflected in the big ideas related to collective responsibilities for learning and climate first.



Conclusion and Next Steps

Using the selection criteria that has already been established, no middle schools were identified as potential partners in BTOIS. Considering that math standards in South Carolina are changing, researchers will identify middle schools after new standards have been put in place and curricula and assessments have stabilized.

Next steps or a future research agenda will be developed from member discussion at the EOC retreat held in August 2025. Staff recommended options for consideration include:

- 1. Pilot efforts in schools that meet the BTOIS eligibility criteria but have an overall report card rating of Below Average or Unsatisfactory to study the components of the BTOIS grounded theory that have demonstrated a positive impact in academic achievement. Options include leadership and culture efforts while utilizing strategies of the 5Essentials, Visible Learning, and Best Practices from the Center of Excellence to Prepare Teachers of Students in Poverty. After pilot efforts and monitoring progress using the overall rating as a measure of improvement, characteristics of school culture and leadership will be aligned with the most powerful strategies.
- 2. It is recommended that school employees and parents complete an organizational cultural profile evaluation to determine leadership and culture characteristics in BTOIS schools using the organizational culture profile developed by Groysberg et al. This data will include stakeholders in determining the most prevalent of the eight distinct leadership and culture styles referenced in this study.
- 3. Additional research on leadership transition and effective principal retention should be studied further and piloting efforts be considered for schools that meet the Beating the Odds criteria but have an overall rating of Excellent or Good.
- 4. Using data from elementary BTOIS partner schools, middle school achievement will be analyzed to explore the impact of elementary school practices and skills on students transitioning to middle school.

Appendices

Appendix A: Study Description for Stakeholders

BTOIS School Takeaway Information Sheet

Appendix B: Interview Questions:

Principal Interview Protocol:

First congratulations on the success of your school. Thank you for being here today and providing us with more information about the success at your school. Based on criteria developed by the staff of the SC Education Oversight Committee, your school is being considered as a school that is Beating the Odds. This designation means that based on the percentage of Pupils in Poverty at your school, your school is exceeding expectations on the School Report Card. We want to understand in more detail how you do your work, especially when you have felt you have been successful and when you have felt challenged. We may ask more probing questions during the interview based on your responses. There is no wrong answer. Our hope is that others will learn from your school's success, and we hope to tell part of that story. This interview is scheduled for 45-50 minutes. Again, thank you for your participation and providing us with more detail on the successes of (Name of School). If you are ready, we will begin.

- 1. How long have you been principal of this school (including this current year)? What was your position prior to this year? If another district, what district?
- 2. In one sentence, what was is the vision for your school? How do you support this vision for your school?
- 3. What resources does your school receive from the district to support success at your school?
- 4. What are the three (3) most critical actions you have taken to accelerate growth at your school?
- 5. How do you use data to improve student performance? How do your teachers use the data?
- 6. What do you do to facilitate teachers work together to improve teaching and learning? How do you develop teachers to lead instructional change in your school?
- 7. When you interview for a teacher, what qualities do you look for?
- 8. What are your expectations for student performance? How do you hold teachers accountable for student performance?
- 9. How is the budget at your school developed? How much participation and influence do you have on your school's budget and expenditures?
- 10. What challenges have you faced at this school? What actions have you taken to overcome these challenges?
- 11. What professional learning have your teachers had over the past three years? Is this a district initiative? Do you provide other professional learning for your teachers outside of what the district provides? How is this professional learning implemented, e.g., during the summer, during planning time, on Saturday, during professional learning days?
- 12. What are you most proud of at your school?
- 13. Is there anything else you would like to add regarding the success of your school?

Instructional Leaders Interview Protocol:

First congratulations on the success of your school. Thank you for being here today and providing us with more information about the success at your school. Based on criteria developed by the staff of the SC Education Oversight Committee, your school is being considered as a school that is Beating the Odds. This designation means that based on the percentage of Pupils in Poverty at your school, your school is exceeding expectations on the School Report Card. We want to understand in more detail how you do your work, especially when you have felt you have been successful and when you have felt challenged. We may ask more probing questions during the interview based on your responses. There is no wrong answer. Our hope is that others will learn from your school's success, and we hope to tell part of that story. This interview is scheduled for about an hour. Again, thank you for your participation and providing us with more detail on this school's successes. If you are ready, we will begin.

- 1. How long have you been in your instructional leadership position of this school (including this current year)? What was your position prior to this year? If another district, what district? Can you tell us about the path you took?
- 2. What curriculum does your school use for ELA? For math? How do you assist teachers with the implementation of these curricula?
- 3. What do you see as your daily responsibilities as an instructional coach/interventionist?
- 4. What are the three (3) most critical actions you have taken to accelerate growth at your school? How did you accomplish these things? What has ben the process for implementing these actions?
- 5. How do you use data to improve student performance? How do your teachers use the data?
- 6. What do you do to facilitate teachers work together to improve teaching and learning? How do you develop teachers to lead instructional change in your school? Do teachers have collaborative planning? How do you develop trust in teachers?
- 7. How is homework handled at your school?
- 8. What are the expectations for student performance? What actions do you take to hold teachers accountable for student performance? Do you have any pushback from teachers? If so, how is this handled?
- 9. How are parents/families involved in your school? Do you have any outside community groups that support you school? If so, who are they and how do they support the school?
- 10. What are the most significant challenges have you faced at this school? What actions have you taken to overcome these challenges?
- 11. What professional learning have your teachers had over the past three years? Is this a district initiative? Do you provide other professional learning for your teachers outside of what the district provides? How is this professional learning implemented, e.g., during the summer, during planning time, on Saturday, during professional learning days?
- 12. What are you most proud of at your school?
- 13. Talk about the instructional role your principal plays in your school?
- 14. Is there anything else you would like to add regarding the success of your school?

Superintendent Interview Protocol:

First congratulations on the success of your school. Thank you for being here today and providing us with more information about the success at your school. Based on criteria developed by the staff of the SC Education Oversight Committee, your school is being considered as a school that is Beating the Odds. This designation means that based on the percentage of Pupils in Poverty at your school, your school is exceeding expectations on the School Report Card. We want to understand in more detail how you do your work, especially when you have felt you have been successful and when you have felt challenged. We may ask more probing questions during the interview based on your responses. There is no wrong answer. Our hope is that others will learn from your school's success, and we hope to tell part of that story. This interview is scheduled for 45-50 minutes. Again, thank you for your participation and providing us with more detail on the successes of (Name of School). If you are ready, we will begin.

- 1. How long have you been superintendent of this district (including this current year)? What was your position prior to this superintendency? If another district, what district?
- 2. In your opinion, what are the most important things that contribute to your school's success? Are these same things going on at the other elementary schools in your district? What do you think the difference is?
- 3. What resources does the district provide this school?? Are any of these resources different than what is provided to other elementary schools in the district?
- 4. What professional learning has been provided to this school by the district in the last three years? Is this professional learning provided to all elementary schools in the district? Does this school engage in additional professional learning for teachers? If so, what are they? How is professional learning implemented in this school, e.g., during the summer, professional learning days, Saturdays, etc.
- 5. How does this school use data to improve student performance? Does the district provide assistance on how to use the data? How is this achieved?
- 6. What attributes that lead to student success are exhibited by the current principal, i.e., what does the principal do that you think contributes to the school's success? (Also ask if about former principal if applicable)
- 7. What are your expectations for student performance at elementary schools in your district? How do you develop those expectations? How do you hold principals accountable for student performance?
- 8. How are the budgets for your schools developed? How much participation and influence do principals have on their school's budget and expenditures?
- 9. What challenges have you faced as superintendent? What actions have you taken to overcome these challenges?
- 10. What is the relationship between the Board of Education and the school district? Is the Board supportive of proposals, actions, or other initiatives proposed by the district?
- 11. What are you most proud of at this school?
- 12. Is there anything else you would like to speak to about this school that we did not ask?

Parent Interview Protocol:

Thank you for being here today and providing us with more information about the success at _______. This school is partner school in thew Beating the Odds Investigative Study, which means based on the poverty rating, this school is exceeding the anticipated report card rating. We want to understand in more detail how you do your work to support the success at (Name of School). We may ask additional questions during the interview based on your responses for clarity or additional information. There is no wrong answer. Our goal is to understand your teaching process and the experience of Beating the Odds, so please feel free to be open and candid throughout our conversation. This interview is scheduled for 45-50 minutes. Again, congratulations on the success of this school and thank you for your participation and providing us with more detail (Name of School)). If you are ready, we will begin.

- 1. How do you feel this school is doing when it comes to educating children?
- 2. In your opinion, what are the most important things that contribute to *this feeling (good, bad etc)?*
- 3. Do you think this happens everywhere? In other schools in the district? What do you think the difference is?
- 4. Are there any groups at the school you serve on (e.g. SIC, PTO), What made you/why/how did you join?
- 5. If Yes, what are the priorities of this group? How did you determine them? How does the group work with the principal? Teachers?
- 6. What is the feeling you get when you walk into _____? How would you describe the culture of (name of school)? b. Can you give examples of when this can be seen?
- 7. What challenges have you faced at (*Name of School*)? What actions have you/the parent groups taken? What supports have you had? What do you wish you had?
- 8. Do you see the principal use data to improve student academic performance? Teachers? How? 8b. What data about the school does the principal share with you? (e.g. students achievement, discipline data etc?)
- 9. Does the school engage with the community? How? Does the community engage with the school? How? (If no) What inhibits the school and the community supporting each other?
- 10. What is the relationship between the teachers and the principal? How can you tell?
- 11. What are you most proud of at (Name of School)?
- 12. What else should we know about *Name of School* that we did not ask?

Teacher Interview Protocol:

Thank you for being here today and providing us with more information about the success at (Name of School). This school is being considered a school that is Beating the Odds which means based on the poverty rating, this school is exceeding the anticipated report card rating. We want to understand in more detail is how you do your work to support the success at (Name of School). We may ask additional questions during the interview based on your responses for clarity or additional information. There is no wrong answer. Our goal is to understand your teaching process and the experience of Beating the Odds, so please feel free to be open and candid throughout our conversation. This interview is scheduled for 45-50 minutes. Again, congratulations on the success of this school and thank you for your participation and providing us with more detail (Name of School)). If you are ready, we will begin.

- 1. What are your priorities in the classroom as you go about your day? How do you ensure you meet these priorities?
- 2. In your opinion, what are the most important things that contribute to *Name of School* success? Are these same things going on at the other elementary schools in your district? What do you think the difference is?
- 3. How would you describe the culture of (name of school)?
 - 3b. Can you give examples of when this can be seen?
- 4. What professional learning has been provided to this you by the district in the last three years? How helpful was it?/Do you recommend it to other schools/teachers? What other topics you wish would be covered? How is professional learning implemented in this school, e.g., during the summer, professional learning days, Saturdays, etc.
- 5. How does this school use data to improve student performance? How are you supported to use student data to improve performance?
- 6. What attributes that lead to student success are exhibited by the current principal, i.e., what does the principal do that you think contributes to the school's success? (Also ask if about former principal if applicable)
 - 6b. What teacher attributes do you think you share and lead to student success? How does the principal and/or district encourage and support this?
- 7. What are your expectations for student performance in your classroom? How do you develop those expectations? How do you hold students accountable for student performance?
 - 7b. What are your principal's expectations for student performance? How are you held accountable to meet them?
- 8. How do you work with grade level teams? How do you work with subject teams?
 - 8b. Ask about any bonding activities, scheduling for meetings, RTI/MTSS meetings and communication strategies with colleagues.
 - 8c. How do you communicate with families and students?
 - 8d. Do you feel empowered to work together to improve teaching and learning? What elements/things make you feel that way?
- 9. What challenges have you faced as a teacher at (*Name of School*)? What actions have you taken to overcome these challenges? What supports have you had? What do you wish you had?
- 10. What is the relationship between the teachers and the principal? What is the relationship between the teachers and the other building instructional leaders? What is the relationship between teachers and the district?
- 11. What are you most proud of at (Name of School)?
- 12. Is there anything else you would like to speak to about Name of School that we did not ask?

Community Member Interview Protocol:

Thank you for being here today and providing us with more information about the success at (Name of School). This school is a partner school in the "Beating the Odds Investigative Study" which means based on the percentage of pupils in poverty served here. This school is exceeding the anticipated report card rating. We want to understand in more detail how you do your work to support the success at (Name of School). We may ask additional questions during the interview based on your responses for clarity or additional information. There is no wrong answer. Our goal is to understand your experiences, so please feel free to be open and candid throughout our conversation. This interview is scheduled for 45-50 minutes. Again, congratulations on the success of this school and thank you for your participation and providing us with more detail. If you are ready, we will begin.

- 1. In your opinion, what are the most important things that contribute to this school's success? Are these same things going on at the other elementary schools in your district to your knowledge? What do you think the difference is?
- 2. What are the priorities of the SIC? How did you determine them?
 - 2b. Did you use any resources to determine your priorities or process for working together? (state SIC supports, people, trainings etc.)
- 3. How does the SIC work with the principal and Teachers?
- 4. How would you describe the culture of (name of school)?
 - 4b. Can you give examples of when this can be seen?
- 5. What challenges have you faced at (*Name of School*)? What actions have you/the SIC taken to overcome these challenges? What supports have you had? What do you wish you had?
- 6. As a member of the SIC, how do you see the principal and teachers use data to improve student academic performance?
 - 6b. What data about the school does the principal share with you? (ie suspensions rates, attendance rates, interim benchmark data throughout the year, end of year schools (how much detail), ie, disaggregated, by grade level)
- 7. How does the school and the community engage with/support each other? How has this occurred? What inhibits the school and the community supporting each other?
- 8. What is the relationship between the teachers and the principal? What is the relationship between the teachers and the other building instructional leaders? What is the relationship between teachers and the district?
- 9. What are you most proud of at (Name of School)?
- 10. What else should we know about Name of School that we did not ask?

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