

Leadership for Learning: Lessons from 40 Years of Empirical Research

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## **Abstract**

This paper presents a research-based model of leadership for learning. It argues that the field has made substantial progress over the past 40 years in identifying ways in which leadership contributes to learning and school improvement. Four specific dimensions of leading for learning are presented: values and beliefs, leadership focus, contexts for leadership, sharing leadership. Evidence from several recent empirical studies is presented in support of this model. While the Author argues that progress has been made, limitations especially with respect to linking leadership practice to different contexts are noted.

Of the seven major task areas for which principals have responsibility, curriculum and instruction has generated the most sound and fury. On the one hand, the principal has been exhorted to exert instructional leadership, while on the other hand, he has been told flatly that such a role is beyond his or any other human being's capacity. The problem with these disputations is that the exponents of a given position have neither defined sharply what is signified by the concept of instructional leadership nor made their assumptions explicit. (Bridges, 1967, p.136)

Bridges' assertions about instructional leadership in 1967 continued to ring true 15 years later at the dawn of the effective schools era (Edmonds, 1979; Bossert, Dwyer, Rowan and Lee, 1982). This research had identified 'strong instructional leadership from the principal' as a hallmark of effective urban elementary schools in the United States. While this finding found a ready reception among American policymakers, it was in fact, only a by-product of the effective schools research and there continued to be considerable ambiguity concerning both the nature of this role and its contribution to school improvement (Bossert et al., 1982; Leithwood and Montgomery, 1982; Purkey and Smith, 1983). Moreover, in a reprise of Bridges' earlier assertion, respected critics continued to question the extent to which instructional leadership represented a viable model that could be applied broadly to the principalship (Barth, 1986; Cuban, 1984).

During subsequent decades researchers took up the challenge of studying not only instructional leadership (Hallinger, 2010; Hallinger, Bickman, and Davis, 1996; Heck, Larson and Marcoulides, 1990; Kleine-Kracht, 1993; Leitner, 1994; Wiley, 2001), but also competing models such as transformational leadership (Leithwood, 1994; Leithwood and Jantzi, 1999, 2000; Silins, 1994), distributed leadership (Gronn, 2003; Spillane, 2006), and shared leadership (Barth, 1990; Hallinger and Heck, 2010; Heck and Hallinger, 2009; Marks and Printy, 2003; Pounder, Ogawa, and Adams, 1995). This body of research has sought not only to define these constructs, but also to examine if and how leadership impacts students learning (Bell, Bolam, and Cubillo, 2003; Cheng, 1994; Day, Sammons, Leithwood, Hopkins, Harris, Gu, and Brown, 2010; Hallinger and Heck, 1996, 2010; Heck and Hallinger, 2009; Leithwood, Anderson, Mascall, and Strauss, In press; Leithwood, Day, Sammons, Harris, and Hopkins, 2006; Mulford and Silins, 2003, 2009; Robinson et al., 2008; Southworth, 2002; Witziers, Bosker, and Kruger, 2003). The fervor of debates over which model offers the greatest leverage for understanding how school leaders contribute to learning has reduced in recent years. Empirical results across a large number of studies have begun to show fairly consistent patterns of impact, and today, the term 'leadership for learning' has come to subsume features of instructional leadership, transformational leadership, and shared leadership (Hallinger, 2003; Heck and Hallinger, 2009;

MacBeath and Cheng, 2008; Marks and Printy, 2003; Mulford and Silins, 2009). This is the term that will be used for the leadership model employed in this paper.

Although important challenges remain to be addressed, 40 years after Bridges' analysis scholars have concluded that this body of empirical research has matured to the point where it offers a sounder foundation for leadership practice (Leithwood et al., 2009). This paper examines progress towards understanding how leadership contributes to school improvement and student learning. More specifically, the paper asks: "What have we learned over the past 40 years about 'leadership for learning' that can provide a guide for practice in schools?" The paper begins by presenting a broad model of leadership for learning, followed by the body of the paper which examines several key dimensions of the model.

### **Perspective on Leadership for Learning**

Leadership for learning describes approaches that school leaders employ to achieve important school outcomes, with a particular focus on student learning (Hallinger, 2003; Day et al., 2010; Leithwood et al., 2006, in press; MacBeath and Cheng, 2008; Mulford and Silins, 2003; Robinson et al., 2008). While the term 'instructional leadership' originally focused on the role of the principal, 'leadership for learning' suggests a broader conceptualization that incorporates both a wider range of leadership sources as well as additional foci for action. The model portrayed in Figure 1 synthesizes conceptualizations proposed by leadership researchers over the past several decades (e.g., Bass, 1990; Bossert et al., 1982; Hallinger and Heck, 1996; Hallinger and Murphy, 1985; Kouzes and Posner, 2007; Leithwood et al., 2006, in press; Murphy, 1988, 2005; Pitner, 1988).

[Insert Figure 1 about here]

This model highlights several important assumptions about leadership for learning. First, it emphasizes indicates that leadership is enacted within an organizational and environmental context. School leaders operate in an 'open system' that consists not only of the community, but also the institutional system and social culture (Bossert et al., 1982; Leithwood et al., 2009; Mulford, 2009). Effective leadership is both shaped by and responds to the constraints and opportunities extant in the school organization and its environment (Bossert et al., 1982; Bridges, 1970; 1977). Second, the exercise of leadership is also moderated by personal characteristics of the leaders themselves. In particular, we wish to highlight personal values, beliefs, knowledge, and experience of leaders as sources of variation in leadership practice. Third, the figure suggests that leadership does not directly impact student learning; rather its impact is mediated by school-level processes and conditions (Hallinger and Heck, 1996; Leithwood et al., in press; Pitner, 1988; Robinson et al., 2008). Moreover, the double-headed arrows in Figure 1 suggest that school leadership both influences *and is influenced by* these school-level conditions (Hallinger and Heck, 1996, 2010; Mulford and Silins, 2009). Finally, we note that this conceptualization frames leadership as directed explicitly, though not solely, towards student growth, and particularly learning outcomes.

This model provides a wide-angle lens for viewing the contribution that leadership makes to school improvement and student learning. In the following section we zoom in selected dimensions of this model, highlighting findings from empirical research conducted over the past four decades. We focus in particular on findings from a recent set of empirical studies that offer potentially important advances in understanding the enactment of leadership for learning in school settings (Day et al., 2010; Hallinger and Heck 2010; Heck and Hallinger, in press; Leithwood et al., 2010, in press; Mulford and Silins, 2009; Opdenakker and Van Damme, 2007; Robinson et al., 2008). We note that these specific studies span a wide range of international settings including the Asia Pacific, North America, UK and Europe.

### **Leadership for Learning**

This section presents four dimensions subsumed within this model of leadership for learning. They include values leadership, leadership focus, context for leadership, and sources of leadership.

#### **Values Leadership**

The leadership model portrayed in Figure 1 is a values-based leadership framework. In the words of McCrimmon (2004, p.1):

I refer to Kouzes and Posner's theory as values leadership, because asking people to undertake a risky journey with you depends on your credibility, as they rightly argue, which in turn depends on what you stand for as a person – your values. Moreover, the changes advocated by such leaders generally entail a shift in cultural or personal values.

Our proposed model of leadership for learning shares a similar normative assumption. Indeed, the model conceptualizes leadership as explicitly aimed at the improvement of student learning (i.e., the model presumes a specific thrust that *should* be the aim or goal) Moreover, it also highlights the role of values in shaping leadership. Values define both the ends towards which leaders aspire as well as the desirable means by which they will work to achieve them.

A decade ago, Ronald Wolk (2000), the founder of *Education Week* stated, “What we need more than anything else today are principals who are asking hard questions about what it is we want from our schools, what it is we want from our students and how we get it.” When he said, ‘what we want from our schools and students’ Wolk was referring the principal’s role in defining and prioritizing the school’s ‘terminal values’ (e.g., learning growth, academic achievement, social development, virtue, community service, equity in learning etc.). ‘How we get it’ refers to the ‘instrumental values’ that leaders manifest and nurture in working to achieve their goals (e.g., self-discipline, integrity, fairness, caring, mutual respect, risk taking, interdependence etc.). Every school has a mix of values that shape the day-to-day behavior of

principals, teachers and students regardless of whether leaders are aware of or seek to impact them (Barth, 1990; Deal and Peterson, 1999; Saphier and King, 1985).

Indeed, this perspective is not meant to suggest that principals ‘dictate’ the values that guide the school. Indeed new principals must begin by taking the time to understand the values that already predominate in the school culture and the extent to which they are creating a healthy productive learning culture (Deal and Peterson, 1999; Saphier and King, 1985). Principals may choose to subtly or, at their own risk, dramatically introduce changes into the value mix of the school. Dramatic changes in core values are, however, generally reserved for crisis or turnaround situations, and even then school cultures demonstrate a surprising ability to return to the ‘norm’ after overt pressure is removed (Deal and Peterson, 1999).

Principals also act as ‘gatekeepers’ monitoring and managing the introduction of new values are introduced into the school (Hall and Hord, 2002). Saphier and King (1985) highlighted this role of the principal as values leader, stating that principals are responsible for ‘protecting what’s important.’ Implicitly, ‘what’s important’ refers to the school’s values. The principal acts in this role through decisions made on a day-to-day basis concerning resource allocation, staffing, problem finding and problem resolution. It can involve taking a stand on a program that the school will and will not adopt, or on what is defined as acceptable behavior of a student or teacher, or how instructional time will or will not be used.

Values also play an instrumental role in the principal’s decision making in another way. Research conducted by Leithwood and colleagues (e.g., Leithwood and Stager, 1989) found that expert principals tend to have a high degree of clarity about their own personal values. They use their values as a ‘substitute for information’ when solving problems in ambiguous and information poor situations. In sum, values both shape the thinking and actions of leaders and represent a potentially useful tool for working with and strengthening the school’s learning culture.

## **Leadership Focus**

We use the term ‘leadership focus’ to refer to the indirect ‘means’ through which leadership impacts learning (Hallinger and Heck, 1996; Leithwood et al., in press). Here we highlight three main avenues or paths through which we believe leadership is linked to learning: 1) vision and goals; 2) academic structures and processes; 3) people. Moreover, we further note that leadership is commonly viewed as a driver , 2010for organizational performance (Bass, 1990; Hallinger and Heck, 1996). Even the increasingly common ‘indirect effects’ conceptualizations implicitly assume that leadership drives performance.

In contrast, our model frames leadership as a process of mutual influence (Hallinger and Heck, 2010). It proposes that effective leadership for learning is adaptive and responsive to the changing conditions of the school over time. The dynamic nature of this model implies that the means through which leadership is linked to learning cannot be reduced to a list of dispositions,

strategies or behaviors. No such list could fully account for the contextually contingent nature of successful leadership practice. We shall elaborate on this point below.

*Vision and goals.* A prominent synthesis of the school leadership effects research conducted during the 1990s by Hallinger and Heck (1996) identified vision and goals as the most significant avenue through which school leaders impact learning. More recently, in a meta-analysis of the school leadership effects literature, Robinson and colleagues (2008) reaffirmed this conclusion. Indeed, they placed vision and goals as the second most significant path through which principals contribute to improved learning in classrooms (see Figure 5). Vision refers to a broad picture of the direction in which the school seeks to move (e.g., Educating the whole child). In contrast, goals refer to the specific targets that need to be achieved on the journey towards that vision.

Vision and goals achieve their impact through two primary means (Hallinger and Heck, 2002). First they inspire people to contribute, even sacrifice, their effort towards the achievement of a collective goal. This motivational power of vision is highlighted in the theory of transformational leadership (Hallinger and Heck, 2002; Leithwood, 1994). Through joining a collective effort to reach a challenging but *meaningful* goal, people may come to realize new aspirations and achieve higher levels of performance. Goals also impact performance by limiting staff attention to a more narrow range of desired ends and scope of activities. Clearly defined goals provide a basis for making decisions on staffing, resource allocation, and program adoption. They help to clarify what we will do and what we will not do.

It should be noted that the early research on effective schools identified a ‘clear academic vision and mission’ as a hallmark of these schools (Edmonds, 1979; Purkey and Smith, 1983). Subsequent research, however, found important differences across effective schools that appeared to be related to their social context. For example, Hallinger and Murphy found that effective schools in high SES contexts with a history of success appeared to operate with a clear academic vision and mission, but without clearly defined goals (Hallinger and Murphy, 1986). In contrast, low SES effective schools that had more recently ‘turned around’ had both a clear academic vision and mission as well as clearly defined goals. The researchers proposed that in schools with a history of success, the vision was strongly embedded in the school’s culture and provided implicit guidance in maintaining the school’s direction. The low SES effective schools had used goals as a means of developing a shared vision and direction for improvement. This finding is supported in recent research conducted on school improvement in the UK that we will describe in greater detail below (Day et al., 2010).

A notable finding that emerged over the years with respect to the use of vision and goals in school improvement concerns the conceptualization of these constructs by scholars studying instructional leadership and transformational leadership. The instructional leadership literature asserted that goal-related constructs (e.g., vision, mission, goals) must contain an academic focus (e.g., Hallinger and Heck, 1996; Murphy, 1988, 2005; Robinson et al., 2008). In contrast, the application of transformational leadership to education (e.g., Leithwood, 1994; Mulford and

Silins, 2003), left open the ‘value’ question as to the focus of the vision and goals. Research findings that compare these two different treatments of goals in research on leadership for learning favor the instructional leadership approach (e.g., Leithwood et al., 2006, in press; Robinson et al., 2008).

Thus, for the purposes of school improvement, the school vision and goals *should* be learning focused. This highlights the critical role that principals play in sustaining a focus on learning in the school. We note that this finding is supported by research on successful implementation of school-based management as well as school improvement, and applies even in contexts where there is strong collaborative leadership (Barth, 1990; Leithwood and Menzies, 1998; Murphy, 2005).

*Academic structures and processes.* As noted earlier, scholars have debated the applicability of instructional and transformational leadership models to understanding how different leadership foci contribute to school improvement. Again using the international meta-analysis conducted by Robinson and colleagues (2008) provides useful guidance in this regard. They were able to estimate the relative effects of different leadership models and foci on student learning (see Figure 2).

[Insert Figure 2 about here]

These results clearly show that instructional leadership better captures the impact of school leadership on learning. That is, transformational leadership as applied to education does not appear to measure all of the processes by which leaders impact teaching and learning.

We note that this conclusion should be tempered for two reasons. First the studies included in the meta-analysis were all cross-sectional studies and did not assess the impact of leadership over time. Second, it is also true that selected dimensions of the two models do overlap (e.g., focus on vision, and goals, rewards). Nonetheless, Robinson’s study highlights the fact that successful leadership in schools must incorporate an educational focus that is lacking from the transformational leadership model (Hallinger, 2003; Robinson et al., 2008).

A recently conducted series of studies (Hallinger and Heck, 2010; Heck and Hallinger, 2009, in press) offers further insight into the issue of leadership focus. We tested a variety of different means by which school leadership could potentially impact student learning. Figure 3 shows a ‘mediated-effects model’ of leadership and learning. This model proposes, as in Figure 1, that the effects of leadership (i.e., of the principal and/or collective leadership) are not direct. Instead they are ‘mediated’ or achieved through school-level conditions that impact directly teaching and learning (Hallinger and Heck, 1996, 2010). In Figure 3, these school level conditions defined as the school’s ‘capacity for academic improvement’. This broad condition of the school incorporates the three main vehicles of leadership that were depicted in Figure 1 (i.e., school culture, work processes, people). Leadership was measured as an organizational property (Ogawa and Bossert, 1995) and defined as collaborative leadership.

[Insert Figure 3 about here]



Several features of this model are noteworthy. First, the model suggests that leadership is enacted in a context. In the case of this particular study, the context was comprised of various organizational conditions such as prior achievement and the socio-economic status of the students in the school. Second, this research examined change in the school and growth in student achievement over a four year period. Therefore the figure depicts both the initial state of leadership, capacity and student math and reading achievement in the school (i.e., the top half of the figure) as well as change in these conditions over time (i.e., the bottom half of the figure). This feature of the research was significant in that it enabled the researchers to measure the impact of leadership on school improvement and growth in learning. Interpretation of this Figure suggests yields three specific conclusions.

- There was no direct effect of collaborative leadership on growth in student learning in these elementary schools (the dotted line indicates no significant relationship).
- Collaborative leadership impacted growth in student learning indirectly through building the school's capacity for academic improvement (i.e., effect size of .31).
- The school's capacity for improvement impacted growth in student learning (i.e., effect size of .24).

This study also examined a variation of the mediated effects model which proposed that leadership both shapes and is shaped by the school's academic capacity. Together, this process of mutual influence creates an impact on student learning. This conceptualization, termed a reciprocal effects model, is shown in Figure 4 with the results from the same study. Based on a variety of criteria, the data provided stronger evidence in support of a reciprocal-effects perspective on leadership and school improvement.

[Insert Figure 4 about here]

These findings are also highly relevant to our discussion of leadership focus. It should be noted Initial Achievement was positively related to subsequent changes in *both* Collaborative Leadership (.38) and Academic Improvement Capacity (.31). However, the converse was not true; neither initial levels of Collaborative Leadership nor initial levels of Academic Improvement Capacity were directly related to subsequent Growth in Achievement. These findings provide empirical support for the premise that schools can improve learning outcomes regardless of their initial achievement levels by changing key organizational processes such as leadership and improvement capacity.

In addition, initial Academic Improvement Capacity positively affected subsequent changes in Collaborative Leadership, and initial Collaborative Leadership positively affected subsequent changes in Academic Improvement Capacity. This suggests that these constructs were part of a mutually-reinforcing relationship in which growth in one led to positive change in the other.

It was further noted that improvement in the schools appeared to “gain momentum” over time through changes in leadership and Academic Improvement Capacity that were organic and mutually responsive. Moreover, the effect of Academic Improvement Capacity on Collaborative Leadership was *stronger* over time than the corresponding effect of Collaborative Leadership on Academic Improvement Capacity. This suggests that leadership can be an important catalyst and supporting factor for school improvement, but that the school-levels conditions, whether referred to as Academic Improvement Capacity always exercises an even stronger influence on leadership.

Having seen that leadership for learning is both mediated and shaped by the school’s academic capacity is an important finding. It suggests that leadership is not by itself a solution to the ‘problem’ of school improvement. Change in schools must be systemic (Fullan, 2001), producing positive impact on academic structures that shape and enhance the practice of teachers (e.g., Hall and Hord, 2002; Mulford and Silins, 2003; Murphy, 2005; Murphy, Weil, Hallinger, and Mitman, 1982; Oakes, 2005). With these results in mind, we assert that research has made important progress in understanding both if and how leadership contributes to student learning (Leithwood et al., 2006, in press; Robinson et al., 2008).

*People.* Capacity building focuses not only on the organization but also people. This focus has received increased attention with the onset of studies of organizational learning in the late 1990s (e.g., Leithwood and Louis, 2000; Mulford and Silins, 2003, 2009). Fullan, a strong proponent of this perspective, asserted: “It has become increasingly clear that leadership at all levels of the system is the key lever for reform, especially leaders who focus on capacity building and develop other leaders who can carry on” (2001, p. 21). But where should principals put their focus in order to develop the school’s capacity to produce a positive impact on student learning? For example, should goal-setting, curriculum alignment, teaching observations, staff development, or strategic planning receive greater attention and priority for resource allocation? The earlier sections of this paper addressed this question indirectly. Now we wish to place this question squarely at the center of our focus.

Robinson and colleague’s (2008) meta-analysis again offers insight into this issue. Their results are shown in Table 1. The effect sizes shown in Table 1 suggest that the principal’s Support for and Participation in the Professional Learning of Staff” produced the largest effect size on learning outcomes of students. This was followed by Setting Goals and Expectations and Planning, Coordinating and Evaluating Teaching and the Curriculum.

[Insert Table 1 about here]

These results are fascinating in light of earlier questions about if and whether principals (and these studies mostly focused on principals) could fulfill the instructional leadership role. It does not seem a coincidence that the highest impact functions in Table 1 all related to instructional leadership. This suggests that when principals are able to maintain an instructional leadership focus in these key areas, it does pay off. The importance of this finding should not be underestimated as it is based on a large body of research completed over a substantial period of time.

## **The Context for Leadership**

We earlier noted that the initial impetus for the empirical study of instructional leadership, the precursor of leadership for learning, came from the studies of effective schools (Edmonds, 1979). A key strength and limitation of this research was the focus on urban elementary schools in challenging circumstances. While improving this class of schools represented an important policy goal, selected scholars reasonably questioned if and how the results about ‘what works’ in this narrowly defined set of schools could generalize to the wider population of schools (Barth, 1986; Bossert et al., 1982; Cuban, 1984).

Implicit in this critique was the recognition that the school context represents an important factor in understanding both leadership and student learning results (Bossert et al., 1982; Opdenakker and Van Damme, 2007). Leadership theories such as situational and contingency leadership (Fiedler, 1967; Hersey and Blanchard, 1977) had, for example, proposed that the leadership effectiveness was dependent or contingent upon identifiable features of the context or situation in which the leader worked (e.g., staff characteristics, hierarchy, availability of resources, power relationships etc.). Different leadership styles were therefore recommended in response to different situational factors (Hersey and Blanchard, 1977). Indeed, the descriptions of highly ‘directive’ instructional leadership that emerged from the effective schools studies brought to mind a basic tenet of situational leadership. Contexts that are characterized by an urgent need for improvement, a lack of demonstrated success, and uncertain confidence may call for a more directive style of leadership.

The limited empirical research that did explore this issue appeared to support this theoretical proposition that leadership styles would be differentially effective across school contexts. Yet, despite this convergence of theory and empirical data, limited though it may have been, policymakers ignored the impact of context when framing new policies, programs and curricula for school leadership. Barth (1986) eloquently decried the pervasive effects of ‘list logic’ whereby a set of descriptors of effective leadership from one small set of schools was conceived to be suitable for all schools. Nonetheless, a ‘one size fits all’ approach took hold that failed to take into account the contextual differences in which leadership was enacted.

It is only in recent years that researchers have begun to redress this oversight and illuminate the relationship between school context and leadership. Findings have, for example, emerged out of a recent study of school improvement in the UK (Day et al., 2010). A team of researchers examined patterns of leadership across a set of ‘high improvement schools’. They were able to identify four broad stages of school improvement and approaches to leadership for learning: (1) Coming out of special measures (turn around phase), (2) Taking ownership, (3) Developing creativity, (4) Everyone a leader (see Figure 5). This analysis offers strong support for linking patterns of leadership behavior to successful school improvement across different contexts (Day et al., 2010). It counters both the perception and the policy prescription that one style of leadership is suitable across all school contexts. More specifically, it begins to provide an empirical basis for action that is based on the needs of the school rather than normative

prescriptions about ‘good leadership’. We shall return to this point in our discussion of shared leadership in the following section of the paper.

[Insert Figure 5 about here]

A second contribution made by the UK study concerns the more in-depth description of how leadership was enacted over time, what the researchers termed ‘layered leadership’ (Day et al., 2010). Layered leadership refers to the ‘density of focus’ or priority assigned to different leadership foci at different stages in the school improvement journey. While these findings are not definitive, this is quite useful information for school leaders. Rather than working with a single set of ‘commandments’ about ‘effective leadership’, they can work towards developing a more finely tuned set of leadership strategies that are grounded in the needs of their schools. Moreover, a principal working in a challenging situation, for the first time, has empirical support for the proposition that adopting a directive leadership style may be necessary, for the short to medium term. Similarly, a principal who has been using a highly directive style and succeeded in ‘turning the ship’ onto a more productive heading will be prompted to see that use of this style may have run its course. Fundamentally, this research demonstrates that leaders must adapt their styles to changing circumstances and highlights the need for leadership development that enhances flexibility in leadership styles and strategies.

## **Sharing Leadership**

The questions of whether, why and how to share leadership have been central in discussions of leadership for centuries, not decades (Bass, 1990). The ‘why’ question often conjures up rationales related to democratic decision making and social justice (Crowther, Ferguson, and Hann, 2008). The ‘whether’ and ‘how’ questions relate back to contingency theories that link organizational conditions to leadership styles. As Bridges (1967) noted 40 years ago, ‘how’ a principal chooses to ‘share leadership’ is also more complex than might appear at first glance. Shared leadership is not, therefore, a unitary construct, but rather is comprised of a range of different behaviors or strategies for involving others in decision making (e.g., consensus decision making, voting, input, delegation etc.). Recent conceptualizations of distributed leadership highlight this facet of shared leadership (Crowther et al., 2008; Gronn, 2009; Murphy, 2005).

[Insert Figure 6 about here]

The prior section on context highlighted an important set of conditions, that bear on whether and how to share leadership. As Figure 6 suggests, a school that is under special measures may require more centralized, directive leadership in order to create a sense of urgency and jump start the change (Kotter, 1996). As the school’s capacity develops over time, part of that process of capacity development will involve broadening the sources of leadership within the school (Barth, 1990; Fullan, 2001; Murphy, 2005). Finally, during the latter stages during which the school is experiencing success, succession planning must already be in place. This is the time to truly increase the density of leadership throughout the school (see Figure 6). While

this pattern of leadership distribution or sharing is suggested by these studies of school improvement, further research is needed to verify that this actually works as a planned intervention strategy.

### Conclusion

This paper started with the goal of illustrating the evolution of research findings on school leadership over the past three decades. It is our premise that this knowledge base, while still incomplete, provides better guidance for those occupying the role of principal today than was the case 40 years ago. In this final section, we will summarize the key findings and briefly comments on the application of this knowledge base in schools.

*Principals are value leaders.* Both awareness of and the ability to articulate personal values and beliefs represent foundational competencies for leaders in any sector. Values guide decision making and approaches to problem solving, either implicitly or explicitly; explicit articulation is the preferred mode. Learning to use one's values, beliefs, and expectations in concert with the values of the school is a requirement for leadership for learning. Borrowing from Mahatma Gandhi, 'Be the change you want to you see in your school'.

The ability to articulate a learning focused vision that is shared by others and to set clear goals creates a base for all other leadership strategies and actions. The principal's vision and goals should be linked to core values of the school's leadership team and the school community more broadly. Visions written down on paper only come to life through the routines and actions that are enacted on a daily basis. This was the message from research conducted by Dwyer and colleagues (1986) 25 years ago and stands in good stead today. Leadership for learning is not the dramatic flourish or grand announcement of a new innovation. Rather, it is the persistent focus on improving the conditions for learning and creating coherence in values and actions across classrooms day in and day out in the school.

*The principal is important, but s/he can only achieve success through the cooperation of others.* The impact of the principal's leadership is mediated by the culture, work processes and people. More specifically, the 'mutual influence' model emphasizes the profound impact that the school's context has on both leadership and on learning. This perspective should be both encouraging and humbling.

*Leadership should be aimed at building the school's capacity for improvement.* Both education and school improvement are about the development of human capacity. Leadership for learning should be as well. Robinson and colleagues (2008) produced the rather startling finding about the important effects of principal involvement in the professional learning of teachers. This recalls Barth's (1990) characterization of the school as a community of learners and the important linkages between the learning of school heads, teachers and students.

*Take time to understand the context first, then develop suitable leadership strategies.* Leaders who possess a single set of tools will find themselves bouncing around from success to failure without understanding why. The capacity to read your context correctly and adapt *your*

leadership to the needs largely determines your success. There is no one best leadership style for fostering learning in schools. We are learning more and more about the ways that leaders need to match strategies to contexts; more research on this point is needed.

*Leaders should seek to share leadership and empower others, but they must pick the right time and methods.* Shared leadership, collaborative leadership, and distributed leadership have become mantras in the profession over the past decade. Unfortunately, much of the discussion is prescriptive, based on values rather than data. Both theory and empirical research suggest that there is a time and a place for sharing leadership. Guidance is available for analyzing when and how to share leadership for learning. When used well, shared leadership is a powerful tool for expanding the school's capacity to achieve its vision and create its own desired future. Note that research does suggest that even where shared leadership is being supported by policy measures, the principal's own leadership is essential to fostering the leadership others.

At the outset of this paper, we asserted that recent empirical findings about leadership for learning represent a sounder foundation for leadership practice in schools compared with 40 years ago. Nonetheless, principals and other school leaders are still advised to use their judgment in applying these findings across different contexts. We recall the words of Hargreaves and Fullan (1998, p. 106) who asserted:

There is no ready answer to the “how” question. Singular recipes oversimplify what it will take to bring about change in your own situation. Even when you know what research and published advice tell you, no one can prescribe exactly how to apply to your particular school and all the unique problems, opportunities and peculiarities it contains.

The next generation of research in our field will need to focus on contextualizing the types of leadership strategies and practices discussed in this paper. That is, we need to obtain better information not just about ‘what works’ but ‘what works’ in different settings. This research will require both quantitative and qualitative studies that describe successful leadership practices across different school levels, at different points in the ‘school improvement journey’ and across different cultures. This is an ambitious but worthy agenda.

## References

- Barth, R. (1990), *Improving Schools from Within*, Jossey-Bass, San Francisco.
- Barth, R. (1986), "On sheep and goats and school reform", *Phi Delta Kappan*, Vol. 68 No. 4, pp. 293-296.
- Barth, R. (2001), "Teacher leader", *Phi Delta Kappan*, pp. 443-449.
- Bass, B. (1990), *Bass and Stogdill's Handbook of Leadership* (3rd edition), Free Press, New York.
- Bell, L., Bolam, R. and Cubillo, L. (2003), *A Systematic Review of the Impact of School Headteachers and Principals on Student Outcomes*, EPPI-Centre, Social Science Research Unit, Institute of Education, London.
- Bossert, S., Dwyer, D., Rowan, B. and Lee, G. (1982), "The instructional management role of the principal", *Educational Administration Quarterly*, Vol. 18 No. 3, pp. 34-64.
- Bridges, E. (1967), "A model for shared decision making in the school principalship", *Educational Administration Quarterly*, Vol. 3 No. 1, pp. 49-61.
- Bridges, E. (1970), "Administrative man: origin or pawn in decision-making?", *Educational Administration Quarterly*, Vol. 6 No. 1, pp. 7-25.
- Bridges, E. (1967), "Instructional leadership: a concept reexamined", *Journal of Educational Administration*, Vol. 5 No. 2, pp. 136-147.
- Bridges, E. (1982), "Research on the school administrator: the state-of-the-art, 1967-1980", *Educational Administration Quarterly*, Vol. 18 No. 3, pp. 12-33.
- Bridges, E. (1977), "The nature of leadership", in L. Cunningham, W. Hack, and R. Nystrand (Eds.), *Educational Administration: The Developing Decades*, McCutchan, Berkeley, CA, pp. 202-230.
- Cheng, Y.C. (1994), "Principal's leadership as a critical factor for school performance: evidence from multi-levels of primary schools", *School Effectiveness and School Improvement*, Vol. 5 No. 3, pp. 299-317.
- Crowther, F., Ferguson, M. and Hann, L. (2008), *Developing Teacher Leaders: How Teacher Leadership Enhances School Success*, Corwin Press, Newbury Park, CA.
- Cuban, L. (1984), "Transforming the frog into a prince: effective schools research, policy, and practice at the district level", *Harvard Educational Review*, Vol. 54 No. 2, pp. 128-151.
- Day, C., Sammons, P., Leithwood, K., Hopkins, D., Harris, A., Gu, Q. and Brown, E. (2010), *Ten Strong Claims about Successful School Leadership*, The National College for School Leadership, Nottingham, UK.

- Day, C., Sammons, P., Hopkins, D., Harris, A., Leithwood, K., Gu, Q., Brown, E., Ahtaridou, E. and Kingston, A (2009), *The Impact of School Leadership on Pupil Outcomes, Final Research Report, DCSF-RR108*, Department for Children, Schools and Families, London.
- Deal, T. and Peterson, K. (1999), *Shaping School Culture: The Heart of Leadership*, Jossey Bass, San Francisco.
- Dwyer, D. (1985), "Understanding the principal's contribution to instruction", *Peabody Journal of Education*, Vol. 63 No. 1, pp. 3-18.
- Edmonds, R. (1979), "Effective schools for the urban poor", *Educational Leadership*, Vol. 37, pp. 15-24.
- Fiedler, F. (1967), *A Theory of Leadership Effectiveness*, McGraw-Hill, New York.
- Fullan, M. (2001), *Leading in a Culture of Change*, Jossey-Bass Inc, San Francisco, CA.
- Gronn, P. (2003), *The New Work of Educational Leaders: Changing Leadership Practice in an Era of School Reform*, Sage Publications, London.
- Gronn, P. (2009), "Hybrid leadership", In K. Leithwood, B., Mascal, and T. Strauss (Eds.), *Distributed Leadership According to the Evidence*, Routledge, London.
- Hall, G. and Hord, S. (2002), *Implementing Change: Patterns, Principles, and Potholes*, Allyn & Bacon, Boston.
- Hallinger, P. (2003), "Leading educational change: reflections on the practice of instructional and transformational leadership", *Cambridge Journal of Education*, Vol. 33 No. 3, pp. 329-351.
- Hallinger, P. (2010), "A review of three decades of doctoral studies using the Principal Instructional Management Rating Scale: A lens on methodological progress in educational leadership and management." Paper prepared for presentation at the annual meeting of the University Council of Educational Administration, New Orleans.
- Hallinger, P., Bickman, L. and Davis, K. (1996), "School context, principal leadership and student achievement", *Elementary School Journal*, Vol. 96 No. 5, pp. 498-518.
- Hallinger, P. and Heck, R.H. (2010), "Collaborative leadership and school improvement: Understanding the impact on school capacity and student learning", *School Leadership and Management*, Vol. 30 No. 2, pp. 95-110.
- Hallinger, P. and Heck, R. H. (1996), "Reassessing the principal's role in school effectiveness: A review of empirical research, 1980-1995", *Educational Administration Quarterly*, Vol. 32 No. 1, pp. 5-44.
- Hallinger, P. and Heck, R. H. (2002), "What do you call people with visions? The role of vision, mission and goals in school leadership and improvement", In K. Leithwood, P. Hallinger



- and Colleagues (Eds.), *The Handbook of Educational Leadership and Administration* (2<sup>nd</sup> Edition), Kluwer, Dordrecht.
- Hallinger, P. and Murphy, J. (1985), "Assessing the instructional leadership behavior of principals", *Elementary School Journal*, Vol. 86 No. 2, pp. 217-248.
- Hallinger, P. and Murphy, J. (1986), "The social context of effective schools", *American Journal of Education*, Vol. 94 No. 3, pp. 328-355.
- Hargreaves, A. and Fullan, M. (1998), *What's Worth Fighting for Out There*, Teachers College Press, New York.
- Heck, R. H. and Hallinger, P. (2009), "Assessing the contribution of distributed leadership to school improvement and growth in math achievement", *American Educational Research Journal*, Vol. 46 No. 3, pp. 626-658.
- Heck, R. H. and Hallinger, P. (in press; 2010), "Collaborative leadership effects on school improvement: Integrating unidirectional- and reciprocal-effects models", *The Elementary School Journal*, Vol. 111 No. 2.
- Heck, R.H., Larson, T. and Marcoulides, G. A. (1990), "Principal instructional leadership and school achievement: Validation of a causal model", *Educational Administration Quarterly*, Vol. 26 No. 2, pp. 94-125.
- Hersey, P. and Blanchard, K. H. (1977), *Management of Organizational Behavior: Utilizing Human Resources* (3rd ed.), Prentice Hall, Paramus, New Jersey.
- Jackson, D. (2000), "The school improvement journey: Perspectives on leadership", *School Leadership & Management*, Vol. 20 No. 1, pp. 61-78.
- Kliene-Kracht, P. (1993), "Indirect instructional leadership: An administrator's choice", *Educational Administration Quarterly*, Vol. 18 No. 4, pp. 1-29.
- Kotter, J. (1996), *Leading Change*. HBS Press, Boston.
- Kouzes, J. and Posner, B. (2007), *The Leadership Challenge*, Jossey Bass, San Francisco.
- Krüger, M., Witziers, B. and Sleegers, P. (2007), "The impact of school leadership on school level factors: Validation of a causal model", *School Effectiveness and School Improvement*, Vol. 18 No. 1, pp. 1-20.
- Lambert, L. (2002), "A framework for shared leadership", *Educational Leadership*, Vol. 59 No. 8, pp. 37-40.
- Leithwood, K. (1994), "Leadership for school restructuring", *Educational Administration Quarterly*, Vol. 30 No. 4, pp. 498-518.
- Leithwood, K., Anderson, S., Mascall, B. and Strauss, T. (In press), "School leaders' influences on student learning: The four paths", In T. Bush, L., Bell and D. Middlewood (Eds.), *The principles of educational leadership and management*, Sage publishers, London.

- Leithwood, K., Day, C., Sammons, P., Harris, A. and Hopkins, D. (2006), *Seven Strong Claims about Successful School Leadership*, National College of School Leadership, Nottingham, England.
- Leithwood, K. and Jantzi, D. (2000), "The effects of transformational leadership on organizational conditions and student engagement with the school", *Journal of Educational Administration*, Vol. 38 No. 2, pp. 112-129.
- Leithwood, K. and Jantzi, D. (1999), "The relative effects of principal and teachers sources of leadership on student engagement with school", *Educational Administration Quarterly*, Vol. 35 No. 5, pp. 679-706.
- Leithwood, K. and Louis, K.S. (2000), *Understanding Schools as Intelligent Systems*, JAI Press, New York.
- Leithwood, K. and Menzies, (1998), "Forms and effects of school based management: A review", *Educational Policy*, Vol. 12 No. 3, pp. 325-346.
- Leithwood, K. and Montgomery, D. (1982), "The role of the elementary principal in program improvement", *Review of Educational Research*, Vol. 52 No. 3, pp. 309-339.
- Leithwood, K. and Stager, M. (1989), "Expertise in principal problem solving", *Educational Administration Quarterly*, Vol. 25 No. 2, pp. 126-61.
- Leitner, D. (1994), "Do principals affect student outcomes: An organizational perspective", *School Effectiveness and School Improvement*, Vol. 5 No. 3, pp. 219-238.
- MacBeath, J. and Cheng, Y.C. (2008). *Leadership for Learning: International Perspectives*. Sense Publishers, Rotterdam.
- March, J. (1978), "The American public school administrator: a short analysis", *School Review*, Vol. 86 No. 2, pp. 217-250.
- Marks, H. and Printy, S. (2003), "Principal leadership and school performance: an integration of transformational and instructional leadership", *Educational Administration Quarterly*, Vol. 39 No. 3, pp. 370-397.
- McCrimmon, M. (2004), *Kouzes and Posner on leadership – A critique*, Self-renewal group, <http://www.google.com/url?sa=t&source=web&ct=res&cd=8&ved=0CCEQFjAH&url=http%3A%2F%2Fwww.cnn.com%2F2010%2FWORLD%2Fasiapcf%2F03%2F12%2Fthailand.protests%2Findex.html&ei=mQedS77OKMqHkAXYxPjYAQ&usg=AFQjCNF4HywZ29AJFOCnWzb5utZJ2abhvQ&sig2=2lc6r6YMrULKvqqZclz0RA>.
- Mortimore, P. (1993), "School effectiveness and the management of effective learning and teaching", *School Effectiveness and School Improvement*, Vol. 4 No. 4, pp. 290-310.
- Mulford, B. and Silins, H. (2003), "Leadership for organizational learning and improved student outcomes – What do we know?", *Cambridge Journal of Education*, Vol. 33 No. 2, pp. 175-195.

- Mulford, B. and Silins, H. (2009), "Revised models and conceptualization of successful school principalship in Tasmania", In B. Mulford and B. Edmunds (Eds.), *Successful School Principalship in Tasmania*, Faculty of Education, University of Tasmania, Launceston, Tasmania.
- Murphy, J. (2005), *Connecting Teacher Leadership and School Improvement*, Corwin Press, Newbury Park, CA.
- Murphy, J. (1988), "Methodological, measurement and conceptual problems in the study of instructional leadership", *Educational Evaluation and Policy Analysis*, Vol. 10 No. 2, pp. 117-139.
- Murphy, J., Weil, M., Hallinger, P. and Mitman, A. (1982), "Academic press: Translating high expectations into school policies and practices", *Educational Leadership*, Vol. 40 No. 3, pp. 22-27.
- Oakes, J. (2005), *Keeping Track: How Schools Structure Inequality* (2<sup>nd</sup> edition), Yale University, Hartford, CN.
- Ogawa, R. and Bossert, S. (1995), "Leadership as an organizational quality" *Educational Administration Quarterly*, Vol. 31 No. 2, pp. 224-243.
- Opdenakker, M. and Van Damme, J. (2007), "Do school context, student composition and school leadership affect school practice and outcomes in secondary education?", *British Educational Research Journal*, Vol. 33 No. 2, pp. 179-206.
- Pitner, N. (1988), "The study of administrator effects and effectiveness", In N. Boyan (Ed.), *Handbook of research in educational administration*, Longman, New York, pp. 106-132.
- Pounder, D. G., Ogawa, R. T. and Adams, E. A. (1995), "Leadership as an organization-wide phenomena: Its impact on school performance", *Educational Administration Quarterly*, Vol. 31 No. 4, pp. 564-588.
- Purkey, S. and Smith, M. (1983), "Effective schools: A review", *Elementary School Journal*, Vol. 83 No. 4, pp. 427-52.
- Robinson, V., Lloyd, C. and Rowe, K. (2008), "The Impact of leadership on student outcomes: An analysis of the differential effects of leadership types", *Educational Administration Quarterly*, Vol. 44 No. 5, pp. 635-674.
- Rutter, M., Maugham, B., Mortimore, P., Ouston, J. and Smith, A. (1979), *Fifteen Thousand Hours: Secondary Schools and Their Effects on Children*, Harvard University Press, Cambridge, MA.
- Saphier, J. and King, M. (1985), "Good seeds grow in strong cultures", *Educational Leadership*, Vol. 42 No. 6, pp. 67-74.

- Silins, H. (1994), “The relationship between transformational and transactional leadership and school improvement outcomes”, *School Effectiveness and School Improvement*, Vol. 5 No. 3, pp. 272-298.
- Southworth, G. (2002), “Instructional leadership in schools: Reflections and empirical evidence”, *School Leadership and Management*, Vol. 22 No. 1, pp. 73-92.
- Spillane, J. (2006), *Distributed Leadership*, Jossey-Bass, San Francisco.
- Tyack, D. and Hansot, E. (1982), *Managers of Virtue: Public School Leadership in America: 1920-1980*, Basic Books, New York.
- Wiley, S. (2001), “Contextual effects on student achievement: School leadership and professional community”, *Journal of Educational Change*, Vol. 2 No. 1, pp. 1-33.
- Witziers, B., Bosker, R. and Kruger, M. (2003), “Educational leadership and student achievement: The elusive search for an association”, *Educational Administration Quarterly*, Vol. 34 No. 3, pp. 398-425.
- Wolk, R. (2000), *Aspiring Principals Program* (video), Big Picture Productions.
- York-Barr, J. and Duke, K. (2004), “What do we know about teacher leadership? Findings from two decades of scholarship”, *Review of Educational Research*, Vol. 74 No. 3, pp. 255-316.

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