

## After 60 Years, Do The Arguments For K-12 Vouchers Still Hold?

Dan Laitsch  
*Simon Fraser University, CA*

### Abstract

In 1955, Milton Friedman authored a foundational paper proposing a shift in funding and governance mechanisms for public K-12 schools, suggesting that parents be awarded tuition vouchers that they could use to pay for private sector education services for their children, rather than relying on government provided neighborhood schools. Friedman theorized three cases in which such a system might fail, requiring greater involvement of the government in the education system: the presence of a natural monopoly; substantial neighborhood effects; and a breakdown in free exchange. This article examines these concerns by applying more than 25 years of school choice research in an attempt to answer the question, “After 60 years, do the arguments for K-12 vouchers still hold?” Findings cited in this article suggest that Friedman was correct to be concerned about possible deleterious effects that may arise from a privatized system.

### Keywords

Neoliberalism, free enterprise system, government role, privatization, public policy, school choice, charter schools

### Introduction

Tuition voucher programs have been in place in the United States since the mid-1800s. Both Vermont and Maine have programs in place that offer families tuition vouchers to use at public or private non-parochial schools, if they live in a locality that has no available public schools. In 1955 (and again in a 1962 revision), Milton Friedman put forth a more modern proposal to expand such programs and bring the power of the market to bear on the public school system.<sup>1</sup> His proposal launched what would become an ongoing effort to reform and privatize the public school system in states across the United States. As of 2013, 18 states and the District of

Columbia had some form of publicly funded tuition voucher (or tax credit) system in place (American Federation for Children, 2013). The shift of Congressional control to Republicans as of 2015 has re-energized efforts to expand choice programs within those and other states (Sen. Tim Scott Discusses School Choice, 2015; Layton, 2014; Republican National Committee, undated). Before substantially increasing efforts to privatize public schools, it is worth reflecting on the theoretical foundation for the school

---

#### Corresponding Author:

Dan Laitsch, Simon Fraser University, Surrey Campus, 250-13450 102<sup>nd</sup> Avenue, Surrey, B.C., Canada V3T 0A3  
Email: [dlaitsch@sfu.ca](mailto:dlaitsch@sfu.ca)

choice movement, using research findings to examine the outcomes of the movement thus far.

When he proposed tuition vouchers in 1955, Friedman mapped out a careful series of conditions under which government should take responsibility for using tax money to pay for a system of public schools. After establishing a compelling interest for government support of a public system, he next considered whether it was necessary for government to also run the schools, or whether the government could instead fund a program that would funnel public funds through parents to pay for a system of privately operated schools. After concluding that such a system would indeed be feasible (and desirable) he explained specific market failures that might require government intervention in the education sector—outcomes that could create a compelling need for a stronger government role in the management of schools. At the time, Friedman dismissed these potential outcomes as unlikely, but held open the possibility that such evidence might arise once programs were put in place.

Voucher programs (like those envisaged by Friedman) have now been in place in the United States for over 20 years. While these programs have largely been local in nature, or limited to specific populations (e.g., high poverty or special needs students), other countries (such as Chile and Sweden) have well-established national programs. In addition, a number of other market-oriented reforms have been created based on Friedman's initial supposition that governments should fund, but not administer, schools. For the purposes of this paper, such programs also include *charter schools*.

Charter schools are government-funded schools that are “chartered” to deliver educational programs independent of public school administrative structures. Charter schools may be run individually (so-called “mom and pop” schools), or by large scale providers—Educational Management Organizations (EMOs). These programs (in the U.S. and internationally) have

generated significant bodies of research that can allow us to revisit Friedman's 1955 proposal, examine the system he envisioned, and apply research findings to the concerns he dismissed at the time.

## Context

In his 1955 article, “The Role of Government in Education,” Friedman presented the case for public education, and then described the role that government should play in such a system. He defined, generally, the reason for government involvement in any economic activity, and identified three special cases where government involvement is justified: the presence of a monopoly; neighborhood effects; and paternalism (who should make the educational choices for children). In 1955, he determined that these situations were not a substantial risk. Seven years later, without explanation, he reduced these three cases to only two by dropping concerns related to natural monopoly in a revised version of the article (Friedman, 1962), although he did speak to “technical monopoly” in much the same way.

I have chosen to focus on Friedman's original 1955 work primarily because he never addressed why he dropped “natural monopoly” from his list of concerns. Additionally, even in the revised version, Friedman discussed the problem of “technical monopoly,” suggesting that whether one calls it a natural or technical monopoly, the presence of a monopoly is a concern that government should address. Finally, in searches of scholarly research databases, Friedman's 1955 article is much more frequently cited, suggesting it serves as the foundational article on school choice as far as the research community is concerned.

In the article, Friedman “takes freedom of the individual, or more realistically the family, as [society's] ultimate objective, and seeks to further this objective by relying primarily on voluntary exchange among individuals for the

organization of economic activity.” As such, “government’s primary role is to preserve the rules of the game by enforcing contracts, preventing coercion, and keeping markets free.” (p. 124). While these are the ground rules put forth by Friedman (and other market theorists), he also noted that there are at times justifications for greater government involvement in organizing economic activity.

### **Education for Citizenship**

An important piece of Friedman’s work—one that is frequently either overlooked or ignored, perhaps due to its simplicity—is his definition of the purpose of public education. He noted that, “A stable and democratic society is impossible without widespread acceptance of some common set of values and without a minimum degree of literacy and knowledge on the part of most citizens” (p. 124-25). As such, he identified two important principles of public education: introduction to a common set of values, and a minimum degree of literacy and knowledge. This goal of a citizenry with a common set of values and basic level of literacy and knowledge remains central to his proposal, in particular stemming from his discussion of neighborhood effects, but also important when considering the “paternalistic concern for children” (discussed below).

### **Government Intervention in Economic Activity**

According to Friedman, there are only three major grounds on which government intervention in economic activity could be justified (1955), and all three stem from actions that restrict voluntary exchange among individuals. The first is the presence of a monopoly or another market imperfection that would prohibit the voluntary exchange required for market competition. The second is the existence of neighborhood effects. The final reason for government involvement would be

limits to free exchange caused by a lack of clarity regarding the objectives of the public schools.

Neighborhood effects result when “the action of one individual imposes significant costs on other individuals for which it is not feasible to make him compensate them or yields significant gains to them for which it is not feasible to make them compensate him” (p. 124). Essentially, it is impossible to quantify or obtain remuneration for the value individuals receive from the social stability that results from a commonly educated citizenry.

Free exchange may be limited by “ambiguity in the ultimate objective,” what Friedman calls a “paternalistic concern for children and other irresponsible individuals” (p. 124)—in other words, the ability of the chooser to select a school or curriculum that will achieve the purposes of public education: an individual educated in a common set of values to at least minimum academic standards. Therefore, if within public education there is a monopoly, substantial neighborhood effects, or challenges achieving the public purposes, then according to Friedman increased government involvement can be justified to address these conditions.

### **Monopoly**

A monopoly exists where voluntary exchange is limited by the lack of provider options. This may be due to geographic challenges or the expense of starting a new business. Utilities are frequently used as an example, since (for example) creating parallel infrastructure for delivery of electricity would be both unwieldy and expensive, naturally limiting the number of potential providers. As Friedman noted, in rural communities, the number of potential customers may be too small to make the presence of multiple providers economically viable. The choices in such cases, according to Friedman, would be unregulated private monopoly, state controlled private monopoly, or public operation.

Interestingly, Friedman’s solution to this

problem was to suggest a hybrid approach: that the monopoly is allowed to exist, but that vouchers are provided to allow competition to arise where providers see a market. As he noted, “governments would continue to administer some schools but parents who chose to send their children to other schools would be paid a sum equal to the estimated cost of educating a child in a government school, provided that at least this sum was spent on education in an approved school” (p. 130).

Two related questions then arise. First, where privatization has occurred, would public funding eventually lead to a return to government involvement? In other words, in privatized delivery systems, would the function of the government as the funder ultimately lead to re-regulation of the private sector, losing the competitive benefits choice advocates theorize as the primary justification for privatization? Second, within the concept of a monopoly, there is another force at play that isn’t specifically addressed by Friedman, but still may influence the behavior of the system. In education, the consumer is compelled by the state to access the education services offered by the state (or other providers). In such a case, the way in which the market system in the competitive arena evolves may differ from that of a typical market economy.

## What The Research Says

### How Do The Market and System Evolve?

The two questions that arise from the challenge Friedman presented are: 1) In systems where the market has been opened, does the market respond by providing substantial new options; and 2) If the market does respond as theorized, how does the system evolve?

There is evidence to suggest an increase in the number of private schools over the past two decades. In 1989 there were 26,712 private schools in the United States, expanding to 28,996 as of 2006 (US Department of

Education, 2006). While central cities and rural areas saw declines in numbers, there was substantial growth in urban areas (from 7903 to 11,775). Similarly, while the number of religious schools expanded by just 0.7%, the number of nonsectarian schools grew by 44%. Interestingly, the number of students enrolled in private schools increased only slightly between 1990 and 2006, and by 2009 total enrollment had actually declined overall (US Department of Education, 2012).

School choice options also include more than attendance at private schools—in the United States many parents (depending on locality) can choose to enroll their children in charter schools, magnet schools, or other public schools outside of their catchment area. Research suggests that these options also expanded considerably in the 1990s and early 2000s (Bielick & Chapman, 2003; Linkow, 2011). The proliferation of school choice options over the past twenty years suggests that at least part of the Friedman’s theory—that the market will respond to demand if consumer choice is expanded—is supported; however, Friedman’s concern that choice will not expand in geographically isolated and rural areas is also supported by research (US Department of Education, 2006).

Legislators are still working to change school funding systems, making it difficult to state with any confidence if the expansion in options is sustainable or simply a short-term response to recent policy changes. That said, there is some data collected that suggests some of these choice options may eventually be consolidated under corporate and nonprofit management organizations, ultimately limiting choice and potentially leading to the presence of private monopolies in some areas.

For the past 13 years researchers have been collecting data on for-profit and not-for-profit Educational Management Organizations (Miron, et al., 2001). EMOs manage one or more schools within the choice sector and range from organizations focused on individual schools to

large conglomerates (such as Mott MacDonald) and publicly traded publishing houses (such as Pearson, PLC). Currently 35% of all charter schools are run by EMOs, enrolling 42% of all charter school students. Large EMOs manage the bulk of for-profit charter schools (70.7% are operated by 14 large EMOs) while 79% of non-profit charter schools are run by large or medium sized EMOs. In the voucher sector, there is research to suggest that small private schools are more likely to fail than larger schools (Ford, 2011), adding to concerns about how the market might ultimately respond to privatization of education services. It will be interesting to see how the sector grows and consolidates over time, and if the concept of multiple providers is sustainable.

Similarly, the legislative framework under which these schools run changes as political changes bring in new policy priorities. Schools participating in choice programs frequently experience shifting requirements regarding accountability, funding, student eligibility and data reporting, and some programs, such as the one in Milwaukee Wisconsin, have seen a return to greater government regulation as they evolve (Rubelen, 2006).

### **Neighborhood Effects**

Friedman makes a strong case for the public funding of education, noting that a stable and democratic society requires that citizens have a set of shared values and a basic level of literacy and knowledge. He notes that because of this, the education of each child also benefits the broader society, contributing to the welfare of others even though the contribution cannot be quantified. This, he noted, results in substantial neighborhood effects in as far as educational outcomes vary across localities.

To compensate for these neighborhood effects, Friedman suggested requiring a common curriculum, through the provision of public education. Rather than requiring parents to pay for this education (something he is sympathetic

to but rejects as not feasible given differences in family sizes and resources), Friedman argued that education is a valid function of government. While he uses neighborhood effects to justify imposition of both a common curriculum and public funding, he breaks with the current system by suggesting that public funding does not by definition require public management--in other words, governments should be able to fund educational institutions through provision of tuition vouchers to parents for use at the institutions of their choice, as long as "schools met certain minimum standards such as the inclusion of a minimum common content in their programs" (p. 127).

"One argument from the 'neighborhood effect' for nationalizing education, according to Friedman, is that it might otherwise be impossible to provide the common core of values deemed requisite for social stability" (p. 128). He continued, "Schools run by different religious groups will, it can be argued, instill sets of values that are inconsistent with one another and with those instilled in other schools; in this way they convert education into a divisive rather than a unifying force" and that, "the link between the financing of education and its administration places other [private] schools at a disadvantage: they get the benefit of little or none of the governmental funds spent on education;" however, "elimination of this disadvantage might...strengthen the parochial schools and so render the problem of achieving a common core of values even more difficult." (p. 128).

A final point raised by Friedman regarding the potential negative outcomes resulting from neighborhood effects is that of exacerbated class distinctions, i.e., when given choices, parents would choose to send their children to school with children from similar backgrounds, reducing the "healthy intermingling of children from decidedly different backgrounds" (p. 129).

Even in 1955, Friedman was aware of the potential for a voucher system to be used to maintain class and ethnic distinctions. In a

lengthy note within the chapter he discussed the move by some localities in the southern United States to use vouchers as a means for maintaining a segregated school system. While he noted that he initially thought this was a mark against his proposal, after further reflection he maintained that the importance of freedom to choose trumped the integration of schools. He stated, “Under [a choice] system, there can develop exclusively white schools, exclusively colored schools, and mixed schools. Parents can choose which to send their children to. The appropriate activity for those who oppose segregation and racial prejudice is to try to persuade others of their views; if and as they succeed, the mixed schools will grow at the expense of the non-mixed, and a gradual transition will take place.” (pg. 131).

A full critique of Friedman’s view that segregated schools are acceptable, and his general view that market economies are colorblind (Friedman, 1962) is beyond the scope of this article, but is highly contested in both law (*Brown v. Board of Education*, 1954) and education scholarship (Coleman et al., 1962; Laitsch & Rodi, 2004; Wells, 2014). For the purposes of this article, I focus on his emphasis that government administration of the schools may be required if research suggests that neighborhood effects are exacerbating class distinctions that serve to break down the “common core of values deemed requisite for social stability” (p. 128). Further, the research cited here includes the impact of market choice on class and racial segregation to test Friedman’s assumption that “The widening of the range of choice under a private system would operate to reduce both kinds of stratification” (p.129). If research shows that privatization serves to exacerbate economic and racial segregation, then it may be appropriate for government to intervene.

### **Economic and Racial Stratification**

Research regarding economic and racial

stratification is available for some forms of large-scale school choice in the U.S. (specifically charters and open enrollment). The available research suggests that choice programs in the U.S. do generally result in greater economic and ethnic stratification (Ben-Porath, 2012; Bifulco, Ladd & Ross, 2008; d’Entremont, & Gulosino, 2008; Garcia, 2008; Jacobs, 2013; Koedel, Betts, Rice, & Zau, 2010; Mickelson, Bottia, & Southworth, 2008). This trend is supported by research in other countries, where vouchers are much more widely used and firmly entrenched in the educational system (Levin, 1998). Research on Chile’s voucher system has found that the voucher systems has exacerbated inequities, with public schools serving more disadvantaged, low-income, and indigenous students than private voucher schools (Elacqua, 2009; Elacqua, & de Gobierno, 2006; González, Mizala, & Romaguera, 2004). Additionally, within Chilean voucher schools there is further stratification linked to differences in tuition levels (Elacqua, 2009; Elacqua, & de Gobierno, 2006). Recent research looking at outcomes in Sweden has also found that choice policies resulted in a large increase in social and economic stratification (Söderström & Uusitalo, 2010; Wiborg, 2008).

### **Free Exchange and Paternalistic Concern**

While Friedman identified the concept of “paternalistic concern for children” as important, he spent little time in his essay discussing the problem or the solution. He noted that, “The third [challenge] derives from an ambiguity in the ultimate objective rather than from the difficulty of achieving it by voluntary exchange, namely, paternalistic concern for children and other irresponsible individuals.” (p. 124). In other words, the primary beneficiaries of education are not able to exercise voluntary exchange in a manner that accomplishes the goals of public education. Friedman turns to parents as the primary caregivers and identifies them as the individuals who should be allowed to exercise choice on behalf of their children,

although he acknowledges that “such a procedure rests on expediency rather than principle. The problem of drawing a reasonable line between action justified on these paternalistic grounds and action that conflicts with the freedom of responsible individuals is clearly one to which no satisfactory answer can be given.” (p. 124).

This doesn’t mean that this issue disappears, however, or that there isn’t research that we can use to interrogate the problem. If as Friedman has identified, the primary purpose of the public schools is to establish a citizenry with a common set of values, a basic level of literacy, and understanding of a specific body of knowledge, then the choices made by consumers in a market based system can be evaluated with regard to their impact on these outcome goals. In other words, do parents choose schools that will further Friedman’s stated goals of literacy, common curriculum, and citizenship, or do they have other reasons for choosing their child’s school? A major cornerstone of market theory is that consumers have access to the information that will allow them to make the “best” choices. In this case, do parents have access to enough information about the schools they are choosing to make the best choice?

### **Social Outcomes**

Looking into the research on social outcomes associated with the use of private school vouchers results in a complex picture. This is particularly true in that many programs are designed to target specific groups of people, encouraging them to make choices they might not otherwise make. Even so, we can get a general sense of the stated and observed behaviors of families who choose schools. While research shows that parents are generally more satisfied with their choice in school (Wolf, 2008), it also suggests that parents are likely to choose the schools for other than academic reasons, including religious affiliation (Denessen, Driessena & Slegers, 2005; Fleming,

Cowen, Witte, & Wolf, 2014; Ji & Boyatt, 2007), social class and race (Lacireno-Paquet & Brantley, 2008). Other research finds that while most parents state that they choose schools for academic reasons, their observed behavior is that they chose schools based on peer composition in terms of race and class (Lacireno-Paquet & Brantley, 2008; Wells, 2014). In effect, parents don’t choose for societal gain, but for personal gain, suggesting Friedman’s concern—that privatization will lead to increased fragmentation of society—may indeed be true.

When looking at the type of information available to parents making school choices, there is no standard data reporting system for school characteristics or achievement information, particularly with regard to private schools (and charter schools). In many cases, parents rely on informal networks or the advertising and marketing materials provided by schools. Research looking at the issue of charter schools, in one urban area, has found that these schools tended to present information to parents that targeted particular student groups, again further fragmenting schools (Wilson, Carlsen, & Rivera, 2015). Other research suggests that parent access to quality information varies by ethnicity and income, and that their choice varies based on the type of information they are able to access (Yettick, 2014). Finally, research in Sweden found very little standardized information (or even academic information) in school informational material (Johnsson & Lindgrin, 2010).

### **Conclusions and Recommendations**

This article is not intended to provide a definitive review of school choice research, nor is it intended to argue the veracity of the arguments Friedman put forth in his foundational essay. Rather, the goal was to apply the available body of research to the specific concerns raised in that essay. When Friedman made his proposal to

shift management of public schools from the public sector to the private he identified three challenges that could prove detrimental to such a shift: the presence of a monopoly that prevents choice; the presence of substantial neighborhood effects that work to break down the common educational experience needed for to support a stable and democratic society; and the inability of the consumer (students) to fully exercise voluntary exchange.

While not definitive, research suggests that there are substantial concerns in each of these areas, suggesting that the move to a privatized system may ultimately harm the public purposes of education as outlined by Friedman. In particular, there are important challenges regarding the societal fragmentation along economic and ethnic lines, and the presence of a monopoly—particularly if the trend toward consolidation of privatized educational services through EMOs continues. A major purpose for shifting to a privately run system was to expand choice and competition by increasing the number of providers and decreasing the amount of governmental oversight, management and regulation. Early findings from the recent expansion in education choice in the United States suggests that while options have expanded over the past 20 years, there may be underlying trends in corporate consolidation that may work against the initial diversity in options over the longer term.

Advocates of expanded school choice should think carefully about the design of the programs they propose. In the past, concerns largely focused on empowering the choice of participants, and not the outcomes of that choice. The research highlighted here, and the concerns raised by the foundational work of Milton Friedman, suggest that choice advocates need to also consider the outcomes of choice programs, and take seriously concerns related to the weakening of the broader public purposes of education.

## Notes

1. Friedman's chapter focuses on both general education and vocational education, with vocational education serving as the branching off point for a discussion related to higher education. The current article only looks at Friedman's arguments as they pertain to governance of the K-12 system.

## References

- American Federation for Children. (2013). *In your state*. Washington, DC: Author. Available: <http://www.federationforchildren.org/state-by-state/>.
- Bielick, S., & Chapman, C. (2003). *Trends in the use of school choice: 1993 to 1999. Statistical Analysis Report*. ED Pubs, PO Box 1398, Jessup, MD 20794-1398.
- Ben-Porath, S. (2012). School choice and educational opportunity: Rationales, outcomes and racial disparities. *Theory and Research in Education* 10(2) 171–189.
- Bifulco, R., Ladd, H. F., & Ross, S. (2008). *Public school choice and integration: Evidence from Durham, North Carolina*. Center for Policy Research Working Paper No. 109. Syracuse, NY: Center for Policy Research Maxwell School of Citizenship and Public Affairs. Available: [www.ncspe.org/publications\\_files/OP172.pdf](http://www.ncspe.org/publications_files/OP172.pdf).
- Brown v. Board of Education, 347 U.S. 483 (1954). Available: <http://caselaw.lp.findlaw.com/cgi-bin/getcase.pl?court=US&vol=347&invol=483>.
- Coleman, J. S., Campbell, E., Hobson, C., McPartland, J., Mood, F., Weinfeld, F., et al. (1966). *Equality of educational opportunity*. Washington, DC: U.S. Government Printing Office.
- Denessen, E., Driessena, G. & Slegers, P. (2005). Segregation by choice? A study of group-specific reasons for school choice. *Journal of Education Policy*, 20(3). pp.347–368
- d'Entremont, C., & Gulosino, C. (2008). *Circles of influence: How neighborhood demographics and charter school locations influence student enrollments*. New York: National Center for the Study of Privatization in Education. Available: [http://www.ncspe.org/publications\\_files/OP160.pdf](http://www.ncspe.org/publications_files/OP160.pdf)
- Ford, M. (2011). School exits in the Milwaukee parental choice program: Evidence of a marketplace? *Journal of School Choice*, 5(2), 182-204. doi:10.1080/15582159.2011.576576
- Friedman, M. (1955). The role of government in education, in Solo, Robert A. (ed), *Economics and the public interest*. Binghamton, New York: Vail-Ballou Press, Inc. pg. 124-144.



- Friedman, M. (1962). *The Role of government in education, in Capitalism and freedom*. Chicago: University of Chicago Press. Retrieved December 20, 2012 from <http://books.cat-v.org/economics/capitalism-and-freedom/>.
- Friedman, M. (1962). *Capitalism and freedom*. Chicago, IL: University of Chicago Press.
- Fleming, D. J., Cowen, J. M., Witte, J. F., & Wolf, P. J. (2014). Similar students, different choices: Who uses a school voucher in an otherwise similar population of students? *Education and Urban Society*, 20(10). pp. 1–28.
- Garcia, D. R. (2008). Academic and racial segregation in charter schools Do parents sort students into specialized charter schools? *Education and Urban Society* 40(5). pp. 590-612. doi: 10.1177/0013124508316044.
- Jacobs. N. (2013). Racial, Economic, and linguistic segregation: Analyzing market supports in the District of Columbia's public charter schools. *Education and Urban Society* 45(1). pp. 120–141. doi: 10.1177/0013124511407317
- Ji, C. C., & Boyatt, E. (2007). Religion, parental choice, and school vouchers in urban parochial schools: The case of five schools in southern California. *Journal of Research on Christian Education*, 16(2), 149-179.
- Johnsson, M., & Lindgren, J. (2010). "Great location, beautiful surroundings!" Making sense of information materials intended as guidance for school choice. *Scandinavian Journal Of Educational Research*, 54(2), 173-187.
- Koedel, C., Betts, J. R., Rice, L. A., & Zau, A. C. (2010). *The social cost of open enrollment as a school choice policy*. New York: National Center for the Study of Privatization in Education. Available [http://www.ncspe.org/publications\\_files/OP190.pdf](http://www.ncspe.org/publications_files/OP190.pdf)
- Lacireno-Paquet, N., & Brantley, C. (2008). *Who chooses schools, and why? The characteristics and motivations of families who actively choose schools*. Policy Brief. Boulder, Co: National Education Policy Center. Retrieved December 30, 2012 from <http://nepc.colorado.edu/publication/who-chooses-schools-and-why>.
- Laitsch, D., & Rodi, K. (2004, April). Brown v. Board of Education: Reflections on the 50th anniversary of the landmark decision. *Infobrief #37*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Layton, L. (2014, January 27). GOP measure would promote school 'choice' with federal funding. *Washington Post*. Available: [http://www.washingtonpost.com/local/education/gop-measure-would-promote-school-choice-with-federal-funding/2014/01/27/7fd52e7e-8778-11e3-a5bd-844629433ba3\\_story.html](http://www.washingtonpost.com/local/education/gop-measure-would-promote-school-choice-with-federal-funding/2014/01/27/7fd52e7e-8778-11e3-a5bd-844629433ba3_story.html).
- Linkow, T. (2011). Disconnected reform: The proliferation of school choice options in U.S. school districts. *Journal of School Choice*, 5(4), 414-443.
- Metcalfe, K. (1998). Advocacy in the guise of science. *Education Week* 18(3). 34,39.
- Mickelson, R.A., Bottia, M., Southworth, S. (2008). *School choice and segregation by race, class, and achievement*. Boulder, CO: National Education Policy Center. Available <http://nepc.colorado.edu/publication/school-choice-and-segregation-race-class-and-achievement>.
- Miron, G., Urschel, J.L., Yat Aguilar, M.A., & Dailey, B. (2011). *Profiles of for-profit and nonprofit education management organizations: Thirteenth annual report - 2010-2011*. Boulder, CO: National Education Policy Center. Retrieved December 24, 2012 from <http://nepc.colorado.edu/publication/EMO-profiles-10-11>
- Republican National Committee. (undated). *School choice*. Available: <https://www.gop.com/education-reform-school-choice/>.
- Rubelen, E. W. (2006). Fla., Wisconsin tying more strings to vouchers. *Education Week*, 25(37), 18-22.
- Sen. Tim Scott Discusses School Choice Agenda With Roland Martin NewsOne Now. [Video file]. (2015, February 10). Available: <https://www.gop.com/sen-tim-scott-r-sc-discusses-school-choice-agenda-with-roland-martin-on-newsone-now-02-10-15/>.
- Söderström, M., & Uusitalo, R. (2010). School choice and segregation: Evidence from an admission reform. *The Scandinavian Journal of Economics* 112(1). pp. 55–76. DOI: 10.1111/j.1467-9442.2009.01594.x
- U.S. Department of Education, National Center for Education Statistics, *Private school universe survey (PSS), 1989–90 through 2005–06* (2006). Retrieved December 20, 2012 from [https://nces.ed.gov/surveys/pss/tables/table\\_whs\\_01.asp](https://nces.ed.gov/surveys/pss/tables/table_whs_01.asp).
- U.S. Department of Education, National Center for Education Statistics (2012). *Digest of Education Statistics, 2011 (NCES 2012-001), Table 3*. Retrieved December 23, 2012 from [https://nces.ed.gov/programs/digest/d11/tables/dt11\\_003.asp](https://nces.ed.gov/programs/digest/d11/tables/dt11_003.asp).
- Wells, A.S. (2014). *Seeing past the "Colorblind" myth: Why education policymakers should address racial and ethnic inequality and support culturally diverse schools*. Boulder, CO: National Education Policy Center. Retrieved from <http://nepc.colorado.edu/publication/seeing-past-the-colorblind-myth>
- Wilson, T., Carlsen, R., & Rivera, J. (2015). *Shaping high school choices: How charter schools appeal to particular students, in context matters: How social, legal, and professional settings affect charter schools and school choice*. Paper presented to the 2015 Annual Meeting of the American Educational

Research Association, Chicago, IL.

- Wolf, P., Gutmann, B., Puma, M., Kisida, B., Rizzo, L., & Eissa, N. (2009). *Evaluation of the DC Opportunity Scholarship Program: Impacts after three years (NCEE 2009-4050)*. Washington, DC: National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education. Available [ies.ed.gov/ncee/pubs/20094050/pdf/20094050.pdf](http://ies.ed.gov/ncee/pubs/20094050/pdf/20094050.pdf)
- Yettick, H. (2014). Information is bliss: Information use by school choice participants in Denver. *Urban Education*. Published online before print September 24, 2014. Available: <http://ue.sagepub.com/content/early/2014/09/23/0042085914550414.abstract>

#### **About the Author**

**Dan Laitsch, PhD**, is Associate Professor in the Faculty of Education at Simon Fraser University and a scholar with the SFU Centre for the Study of Educational Leadership and Policy. He is co-editor of the open access peer reviewed *International Journal of Education Policy and Leadership* ([www.ijepl.org](http://www.ijepl.org)), and is active in the American Educational Research Association Special Interest Group on Research Use. Dr. Laitsch's research interests include the use and misuse of research in teaching, policymaking, and issue advocacy; and Neoliberal education reforms (specifically high stakes accountability and assessment, and the privatization of public school systems).