13th ANNUAL BROWN Lecture in Education Research

PUBLIC EDUCATION AND THE SOCIAL CONTRACT:
Restoring the Promise in an Age of Diversity and Division

MARTA TIENDA
PRINCETON UNIVERSITY

www.AERA.net/BrownLecture | #AERABrownLecture
Complimentary Wifi Access | NETWORK: Ronald Reagan Building
USER NAME: AERA2016 | PASSWORD: AERA2016

AERA 100
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION 1916-2016
Overview

• Education Status Report
• Education as a Fundamental Right
• Legacies of Local Control
• Missed Opportunities
• Restoring the Social Contract
Population Ages 25-34 with a Bachelor's Degree or Higher, 2010 (percentages)

## Performance in Mathematics and Science: Selected Countries, 2012

<table>
<thead>
<tr>
<th>Nation</th>
<th>Mean Math Score</th>
<th>% Low Math Achievers</th>
<th>% Top Math Performers</th>
<th>Mean Science Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD Average</td>
<td>494</td>
<td>23.0</td>
<td>12.6</td>
<td>501</td>
</tr>
<tr>
<td>Shanghai - China</td>
<td>613</td>
<td>3.8</td>
<td>55.4</td>
<td>580</td>
</tr>
<tr>
<td>Hong-Kong China</td>
<td>561</td>
<td>8.5</td>
<td>33.7</td>
<td>555</td>
</tr>
<tr>
<td>Korea</td>
<td>554</td>
<td>9.1</td>
<td>30.9</td>
<td>538</td>
</tr>
<tr>
<td>Canada</td>
<td>518</td>
<td>13.8</td>
<td>16.4</td>
<td>525</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>494</td>
<td>21.8</td>
<td>11.8</td>
<td>514</td>
</tr>
<tr>
<td>United States</td>
<td>481</td>
<td>25.8</td>
<td>8.8</td>
<td>497</td>
</tr>
</tbody>
</table>

Source: OECD 2014, PISA 2012 Results in Focus
Average Differences in Reading Standardized Test Scores Between 90<sup>th</sup> and 10<sup>th</sup> Income Percentile Families

Since 1970, the achievement gap has increased by almost 40%.

Source: Greenstone et al. 2013
Percentage of High-Poverty Schools with >75% Black or Hispanic Students: 2000-01 to 2013-14

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Low-Poverty and 0 to 25% Black or Hispanic Schools</th>
<th>High-Poverty and 75 to 100% Black or Hispanic Schools</th>
<th>All Other Schools</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-01</td>
<td>60</td>
<td>9</td>
<td>60</td>
</tr>
<tr>
<td>2005-06</td>
<td>31</td>
<td>11</td>
<td>64</td>
</tr>
<tr>
<td>2010-11</td>
<td>25</td>
<td>13</td>
<td>69</td>
</tr>
<tr>
<td>2013-14</td>
<td>16</td>
<td>16</td>
<td>68</td>
</tr>
</tbody>
</table>

Education is Not a Fundamental Right
10th Amendment to the U.S. Constitution

The powers not delegated to the United States by the Constitution, nor prohibited by it to the States, are reserved to the States, respectively, or to the people.
Seeding the Power of Local Control

Legacies of the Common School Movement
## Trend in Per Pupil (PP) Expenditures, Selected Years 1880-2012

(2012$)

<table>
<thead>
<tr>
<th>Year</th>
<th># of States</th>
<th>PP Mean ($)</th>
<th>Standard Deviation</th>
<th>Min ($)</th>
<th>Max ($)</th>
<th>Coefficient of Variation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1880</td>
<td>46</td>
<td>190</td>
<td>102</td>
<td>35</td>
<td>410</td>
<td>54</td>
</tr>
<tr>
<td>1930</td>
<td>48</td>
<td>956</td>
<td>424</td>
<td>238</td>
<td>2,274</td>
<td>44</td>
</tr>
<tr>
<td>1960</td>
<td>50</td>
<td>2,779</td>
<td>630</td>
<td>1,597</td>
<td>4,234</td>
<td>23</td>
</tr>
<tr>
<td>1990</td>
<td>50</td>
<td>9,109</td>
<td>2,175</td>
<td>5,264</td>
<td>15,270</td>
<td>24</td>
</tr>
<tr>
<td>2012</td>
<td>50</td>
<td>9,614</td>
<td>2,877</td>
<td>5,446</td>
<td>18,097</td>
<td>30</td>
</tr>
</tbody>
</table>

Source: Southern Education Foundation, 2009;
States with Above Average PP Education Expenditures, 1880-2012 (2012$)

Year | National Mean | 1880 | 1930 | 1960 | 1990 | 2012
--- | --- | --- | --- | --- | --- | ---
| | $190 | $2,274 | $4,233 | $15,271 | $18,097 |

Source: Southern Education Foundation, 2009
States with Below Average PP Education Expenditures, 1880-2012 (2012$)

<table>
<thead>
<tr>
<th>Year</th>
<th>NM</th>
<th>LA</th>
<th>VA</th>
<th>TN</th>
<th>MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1880</td>
<td>$35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1930</td>
<td></td>
<td>$238</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1960</td>
<td></td>
<td></td>
<td>$1,597</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1990</td>
<td></td>
<td></td>
<td></td>
<td>$5,264</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$5,546</td>
</tr>
</tbody>
</table>

National Mean:
- 1880: $190
- 1930: $956
- 1960: $2,779
- 1990: $9,109
- 2012: $9,614

Source: Southern Education Foundation, 2009
Per Pupil District Funding Disparities: Low Expenditure States, 2012 (Percentage Difference or Percent)

<table>
<thead>
<tr>
<th>STATE</th>
<th>Average PP Expenditure $2012</th>
<th>High vs. Low Minority Districts (% Difference)</th>
<th>High vs. Low Poverty Districts (% Difference)</th>
<th>Children in Poverty (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>$9,210</td>
<td>-4.4</td>
<td>-15.6</td>
<td>21%</td>
</tr>
<tr>
<td>Mississippi</td>
<td>$6,545</td>
<td>2.6</td>
<td>1.9</td>
<td>31%</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>$6,421</td>
<td>1.5</td>
<td>3.7</td>
<td>22%</td>
</tr>
<tr>
<td>Arkansas</td>
<td>$7,860</td>
<td>12.6</td>
<td>2.5</td>
<td>27%</td>
</tr>
<tr>
<td>Idaho</td>
<td>$5,685</td>
<td>-7.1</td>
<td>-3.9</td>
<td>18%</td>
</tr>
<tr>
<td>Utah</td>
<td>$5,446</td>
<td>10.6</td>
<td>0.1</td>
<td>13%</td>
</tr>
</tbody>
</table>

Warren Harding High – Bridgeport, CT

14th Amendment of the US Constitution (1868)

Section 1. “All persons born or naturalized in the United States, and subject to the jurisdiction thereof, are citizens of the United States and of the State wherein they reside.

No State shall make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; nor shall any State deprive any person of life, liberty or property, without due process of law; nor deny to any person within its jurisdiction the equal protection of the laws.”

Emphases added;
(In)Convenient Federal Involvement in Public Education

Land Grant Institutions
National Defense Education Act
Elementary Secondary Education Act
Land Grant Institutions

Morrill Act of 1862

Morrill Act of 1890

Source: Photograph by Matthew Brady
US Land-Grant Colleges and Universities

Source: Lee & Keys 2013
State Support for Public Higher Education per Full-Time Student: 2014

Funding Sources for Public 4-Year Institutions: 1990-2010

Source: The Boston Consulting Group 2014
The Shifting of Responsibility of Paying for a Public University Degree: 1970s vs. Today

Sputnik and NDEA: 1957-58
Legacies of LBJ

• Great Society Programs & War on Poverty
• Education and Secondary Education Act

Source: NYT August 28, 2016
Restoring the Social Contract for Youth

An Investment in the Future
Inflation-Adjusted Family Income at 20th, 80th, and 95th Percentiles, 1947-2014 (2014 $)

Source: Russell Sage Foundation. 2016. What We Know about Income Inequality and Social Mobility in the United States.
Restoring the Social Contract

Toward a Youth-Driven Agenda
Federal Budget Outlays for Children and Other Items, Selected Years, 1960-2026

Thank you
13th Annual Brown Lecture in Education Research

Public Education and the Social Contract: Restoring the Promise in an Age of Diversity and Division

Marta Tienda, Princeton University

www.AERA.net/BrownLecture | #AERABrownLecture
Complimentary Wifi Access | Network: Ronald Reagan Building
User Name: AERA2016 | Password: AERA2016

AERA 100