

# Blueprint for Change in Colorado

2010  
State Teacher  
Policy Yearbook



National Council on Teacher Quality

## Acknowledgments

### STATES

State education agencies remain our most important partners in this effort, and their extensive experience has helped to ensure the factual accuracy of the final product. Although this year's *Blueprint for Change* did not require the extensive review typically required of states, we still wanted to make sure that states' perspectives were represented. As such, each state received a draft of the policy updates we identified this year. We would like to thank all of the states for graciously reviewing and responding to our drafts.

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## About the Yearbook

The 2010 *Blueprint for Change* is the National Council on Teacher Quality's fourth annual review of state laws, rules and regulations that govern the teaching profession. This year's *Yearbook* takes a different approach than our past editions, as it is designed as a companion to the 2009 *State Teacher Policy Yearbook*, NCTQ's most recent comprehensive report on state teacher policies.

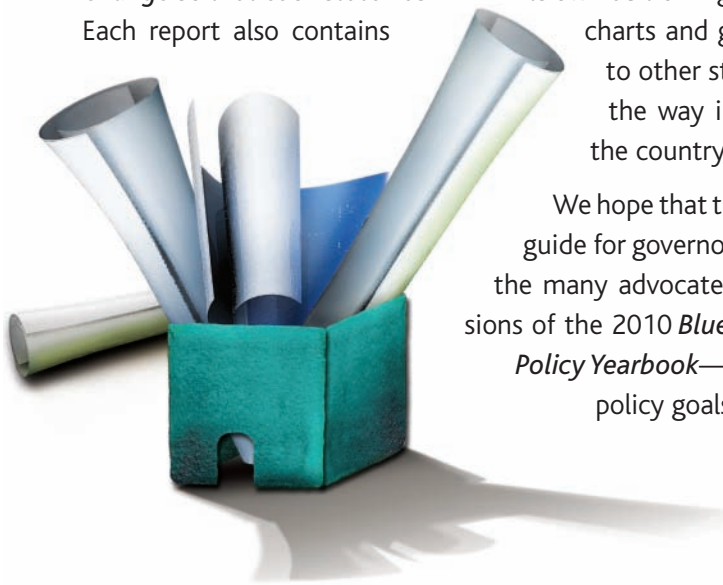
The comprehensive *Yearbook*, a 52-volume state-by-state analysis produced biennially, examines the alignment of states' teacher policies with goals to improve teacher quality. The 2009 report, which addressed key policy areas such as teacher preparation, evaluation, alternative certification and compensation, found that states had much work to do to ensure that every child has an effective teacher. Next year we will once again conduct a comprehensive goal-by-goal analysis of all aspects of states' teacher policies.

In 2010, an interim year, we set out to help states prioritize among the many areas of teacher policy in need of reform. With so much to be done, state policymakers may be nonplussed about where to begin. The 2010 *Yearbook* offers each state an individualized blueprint, identifying state policies most in need of attention. Although based on our 2009 analyses, this edition also updates states' progress in the last year, a year that saw many states make significant policy changes, largely spurred by the Race to the Top competition. Rather than grade states, the 2010 *Blueprint for Change* stands as a supplement to the 2009 comprehensive report, updating states' positive and negative progress on *Yearbook* goals and specifying actions that could lead to stronger policies for particular topics such as teacher evaluation, tenure rules and dismissal policies.

As is our practice, in addition to a national summary report, we have customized this year's *Blueprint for Change* so that each state has its own edition highlighting its progress toward specific *Yearbook* goals. Each report also contains

charts and graphs showing how the state performed compared to other states. In addition, we point to states that are leading the way in areas requiring the most critical attention across the country.

We hope that this year's *Blueprint for Change* serves as an important guide for governors, state school chiefs, school boards, legislatures and the many advocates seeking reform. Individual state and national versions of the 2010 *Blueprint for Change*, as well as the 2009 *State Teacher Policy Yearbook*—including rationales and supporting research for our policy goals—are available at [www.nctq.org/stpy](http://www.nctq.org/stpy).





# Blueprint for Change in Colorado

The 2009 *State Teacher Policy Yearbook* provided a comprehensive review of states' policies that impact the teaching profession. As a companion to last year's comprehensive state-by-state analysis, the 2010 edition provides each state with an individualized "Blueprint for Change," building off last year's *Yearbook* goals and recommendations.

State teacher policy addresses a great many areas, including teacher preparation, certification, evaluation and compensation. With so many moving parts, it may be difficult for states to find a starting point on the road to reform. To this end, the following brief provides a state-specific roadmap, organized in three main sections.

- Section 1 identifies policy concerns that need **critical attention**, the areas of highest priority for state policymakers.
- Section 2 outlines "**low-hanging fruit**," policy changes that can be implemented in relatively short order.
- Section 3 offers a short discussion of some **longer-term systemic issues** that states need to make sure stay on the radar.

## Current Status of Colorado's Teacher Policy

In the 2009 *State Teacher Policy Yearbook*, Colorado had the following grades:



Overall Grade

Area 1: <i>Delivering Well Prepared Teachers</i>	D-
Area 2: <i>Expanding the Teaching Pool</i>	D+
Area 3: <i>Identifying Effective Teachers</i>	D-
Area 4: <i>Retaining Effective Teachers</i>	C-
Area 5: <i>Exiting Ineffective Teachers</i>	B-

### 2010 Policy Update:

In the last year, many states made significant changes to their teacher policies, spurred in many cases by the Race to the Top competition. Based on a review of state legislation, rules and regulations, NCTQ has identified the following recent policy changes in Colorado:

### Teacher Evaluation:

Colorado now requires annual evaluations for all teachers. Probationary teachers must receive at least two documented observations that result in a written evaluation report each academic year. Beginning with the 2012-2013 school year, nonprobationary teachers must receive a written evaluation each academic year. Beginning in the fall of 2013, teachers will be rated "highly effective," "effective" or "ineffective." Fifty percent of a teacher's evaluation will be based on students' academic growth as measured partially by test scores. *S.B. 10-191*

## Tenure:

Probationary teachers must earn three consecutive "effective" ratings to become nonprobationary. Veteran, or nonprobationary, teachers who receive two consecutive "ineffective" ratings return to probationary status and have a year to improve or face termination. *S.B. 10-191*

## Teacher Preparation Program Accountability:

Beginning in 2011, the state must annually report on the effectiveness of teacher preparation programs using aggregate data, including the correlation among different preparation programs and student academic growth, educator placement, and educator mobility and retention. *S.B. 10-036*

## Colorado Response to Policy Update:

States were asked to review NCTQ's identified updates and also to comment on policy changes that have occurred in the last year, other pending changes or teacher quality in the state more generally.

Colorado was helpful in providing NCTQ with additional information about recent policy changes. Colorado noted that its tenure policy regarding the earning or losing of nonprobationary status will not go into effect for three years because of the need to develop rules and provide training to district personnel.

- 1 The District of Columbia has no state-level policy, but District of Columbia Public Schools requires that student academic achievement count for 50% of evaluation score.
- 2 Legislation articulates that student growth must account for a significant portion of evaluations, with no single criterion counting for more than 35% of the total performance evaluation. However, the State Board is on track to finalize regulations that limit any single component of student growth, such as standardized test scores, to 35%, but add other measures of student progress for a total of 50%.

Figure 1

*Is classroom effectiveness considered in teacher evaluations and tenure decisions?*

	Evaluations include student achievement data	Evidence of student learning is the preponderant criterion in teacher evaluations	Evidence of student learning is the preponderant criterion in tenure decisions
Alabama	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alaska	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arizona	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arkansas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
California	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COLORADO</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Connecticut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Delaware	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
District of Columbia <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Florida	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Georgia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hawaii	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Idaho	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Illinois	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indiana	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iowa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Louisiana	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maryland <sup>2</sup>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Massachusetts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Michigan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minnesota	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mississippi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Missouri	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Montana	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Utah	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vermont	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Virginia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Washington	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
West Virginia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wisconsin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wyoming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16

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## Section 1: Critical Attention Areas

This section identifies the highest priority areas as states work to advance teacher quality. These are the policy issues that should be at the top of the list for state policymakers. While other states need also to address connecting teacher evaluation, tenure and dismissal to teacher effectiveness; holding teacher preparation programs accountable; and closing licensure loopholes to ensure that teachers know the subject matter they teach, Colorado should turn its immediate attention to the following five issues.



### Critical Attention: Colorado policies that fail to ensure teachers are well prepared

#### 1. ENSURE THAT ELEMENTARY TEACHERS KNOW THE SCIENCE OF READING:

Although Colorado requires that its teacher preparation programs provide teacher candidates with training in the science of reading, the state should also require an assessment prior to certification that tests whether teachers indeed possess the requisite knowledge in scientifically based reading instruction. Ideally this would be a stand-alone test (such as the excellent assessments required by Massachusetts, Connecticut and Virginia), but if it were combined with general pedagogy or elementary content, the state should require a separate subscore for the science of reading.

Preparation to teach reading is a critical attention area in

**43 states.**

States on the right track include Connecticut, Massachusetts and Virginia.

#### 2. ENSURE THAT ELEMENTARY TEACHERS KNOW ELEMENTARY CONTENT MATH:

Aspiring elementary teachers must begin to acquire a deep conceptual knowledge of the mathematics they will teach, moving well beyond mere procedural understanding. Leading mathematicians and math educators have found that elementary teachers are not well served by mathematics courses designed for a general audience and that methods courses do not provide sufficient content preparation. Colorado should specifically articulate that preparation programs deliver mathematics content geared to the explicit needs of elementary teachers, including coursework in foundations, algebra and geometry, with some statistics. The state should also adopt a rigorous mathematics assessment, such as the one required by Massachusetts. At the very least, Colorado should consider requiring a mathematics subscore on its general content knowledge test, not only to ensure that teacher candidates have minimum mathematics knowledge but also to allow them to test out of coursework requirements.

Preparation to teach mathematics is a critical attention area in

**49 states.**

A state on the right track is Massachusetts.

Figure 2

Do states ensure that teachers are well prepared?

	Ensures elementary teachers know the science of reading	Ensures elementary teachers know elementary content math	Differentiates preparation between elementary and middle school teachers
Alabama	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alaska	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arizona	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arkansas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
California	<input type="checkbox"/> <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COLORADO</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Connecticut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Delaware	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
District of Columbia	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Florida	<input type="checkbox"/> <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Georgia	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hawaii	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Rhode Island	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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South Dakota	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Virginia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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West Virginia	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wisconsin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wyoming	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

6 2 29

### 3. ENSURE ADEQUATE SUBJECT-MATTER PREPARATION FOR MIDDLE SCHOOL TEACHERS:

Middle school grades are critical years of schooling, yet too many states fail to distinguish the knowledge and skills needed by middle school teachers from those needed by elementary teachers. Whether teaching a single subject in a departmentalized setting or teaching multiple subjects in a self-contained setting, middle school teachers must be able to teach significantly more advanced content than elementary teachers do. To ensure adequate content preparation of its middle school teachers, Colorado is urged to no longer permit middle school teachers to teach on a K-8 generalist license and instead adopt for all teachers middle-grades licensure policies that are distinguishable from elementary teacher certification. Such policies should ensure that middle school teachers know the content they will teach by requiring that they pass a subject-matter test in every core area they intend to teach prior to licensure.

Middle school licensure is a critical attention area in

**22 states.**

States on the right track include Georgia, Kentucky, and Louisiana.

1 Although California has a standalone test of reading pedagogy, the ability of this test to screen out candidates who do not know the science of reading has been questioned.

2 Florida's licensure test for elementary teachers includes a strong focus on the science of reading but does not report a separate subscore for this content.





## Critical Attention: Colorado policies that license teachers who may lack subject-matter knowledge

### 4. ENSURE THAT ELEMENTARY CONTENT TESTS ADEQUATELY ASSESS CONTENT KNOWLEDGE IN EACH SUBJECT AREA:

Although Colorado requires that all new elementary teachers must pass a Praxis II general subject-matter test or its own PLACE assessment, these tests do not report teacher performance in each subject area, meaning that it is possible to pass them and still fail some subject areas. The state should require separate passing scores for each area because without them it is impossible to measure knowledge of

Elementary licensure tests are a critical attention area in

**50 states.**

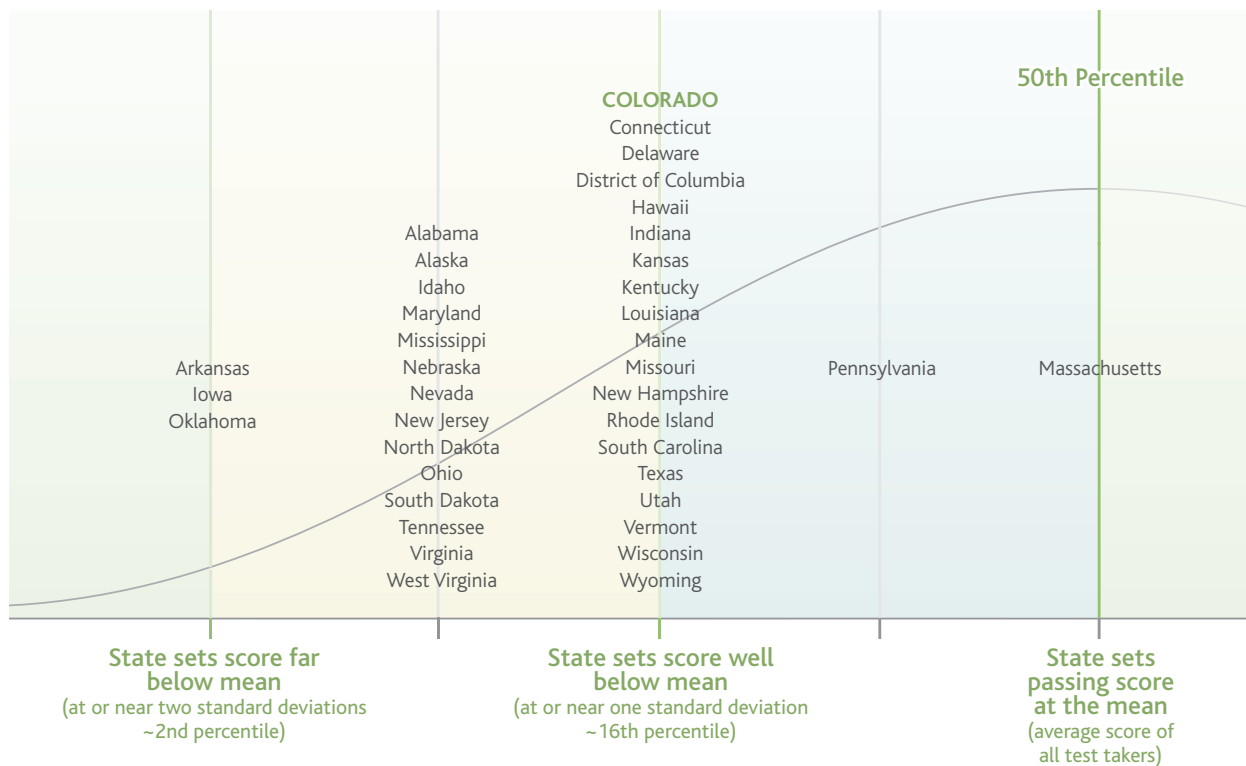
A state on the right track is Massachusetts.

individual subjects, especially given the state's current low passing score for the elementary content test. According to published test data on the Praxis II, Colorado has set its passing score for this test considerably below the mean, the average score of all test takers, so it is questionable whether this assessment is indeed providing any assurance of content knowledge.



Figure 3

*Where do states set the passing score on elementary content licensure tests?<sup>1</sup>*



<sup>1</sup> Data not available for Arizona, California, Florida, Georgia, Illinois, Michigan, Minnesota, New Mexico, New York, North Carolina, Oregon, and Washington. Montana does not require a content test. Colorado cut score is for Praxis II, not PLACE.



## Critical Attention: Colorado policies that limit the teacher pipeline

### 5. PROVIDE FLEXIBILITY TO ALTERNATE ROUTE TEACHERS IN DEMONSTRATING CONTENT KNOWLEDGE:

Alternative certification can create a new pipeline of potential teachers for those with valuable knowledge and skills who did not prepare to teach as undergraduates. While it is critical that all teachers know the content they will teach, requiring alternate route teachers to have a major in their subject area rules out talented individuals with deep knowledge that may have been gained through related study or work experience. Such candidates will likely be disinclined to fulfill the requirements of

Alternate route admissions is a critical attention area in

**38 states.**

States on the right track include Michigan and Oklahoma.

a new degree and should be permitted to demonstrate their content knowledge by passing a rigorous test. Colorado currently does not provide a test-out option for its alternate route teacher candidates, instead requiring that they complete at least 30 coursework hours in the subject they plan to teach and pass a content-area test. The state should permit candidates to demonstrate their subject-matter knowledge through the content test without also requiring a major or equivalent coursework.

Figure 4

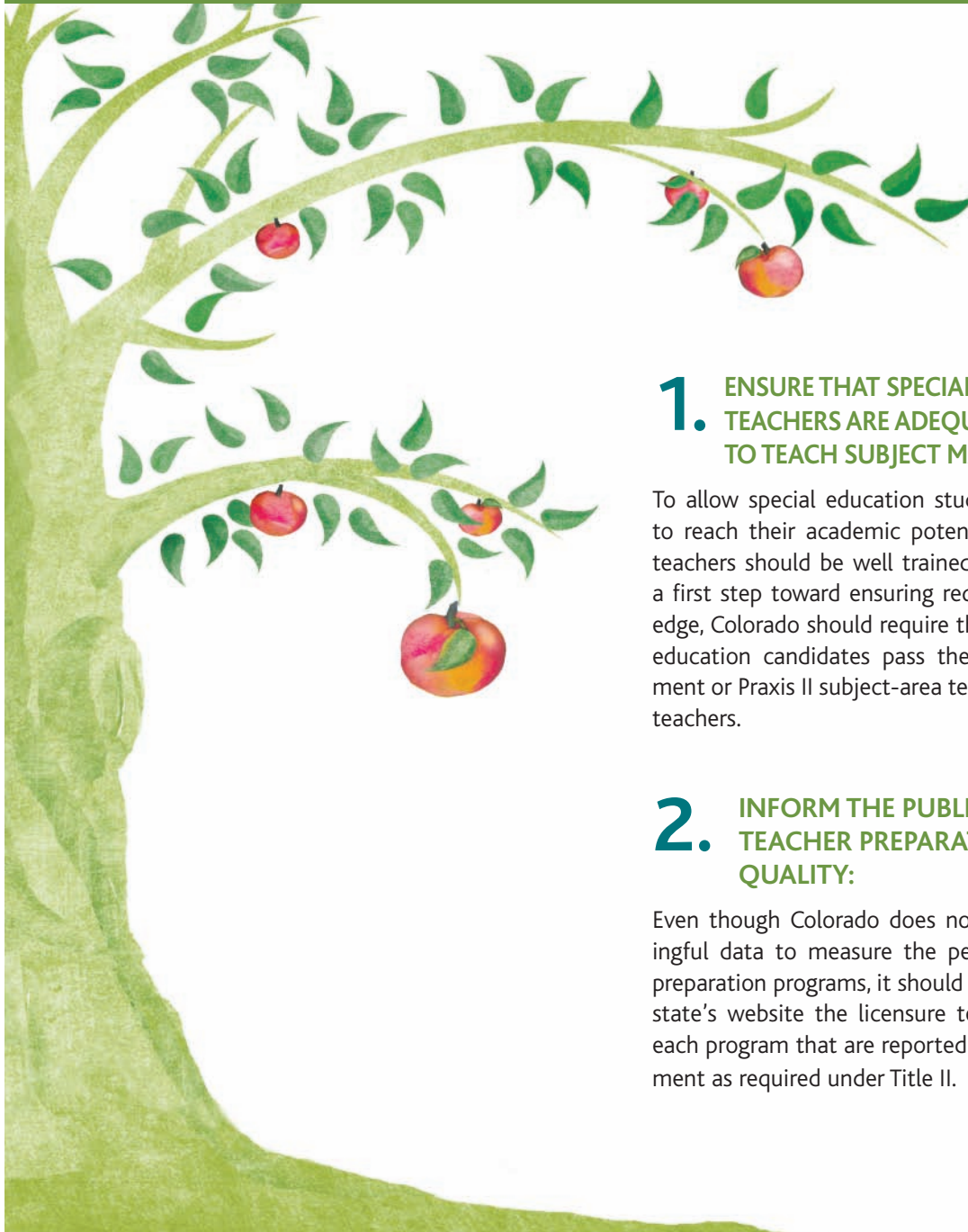
Do states permit alternate route providers other than colleges and universities?

	Allows district run programs	Allows non-profit providers	Allows colleges and universities only
Alabama	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alaska <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arizona	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arkansas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
California	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>COLORADO</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Connecticut	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Delaware	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
District of Columbia	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Florida	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Georgia	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hawaii	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Idaho	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Illinois	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Kansas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Louisiana	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maine	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maryland	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Massachusetts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Minnesota	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mississippi	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Missouri	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <sup>2</sup>
Montana	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Nevada	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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New Jersey	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
New Mexico	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
New York	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
North Carolina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Dakota <sup>3</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ohio	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	<b>19</b>	<b>23</b>	<b>21</b>

1 Alaska's alternate route is operated by the state department of education.  
 2 ABCTE is also an approved provider.  
 3 North Dakota does not have an alternate route to certification.

## Section 2: Low-Hanging Fruit

This section highlights areas where a small adjustment would result in significantly stronger policy. Unlike the more complex topics identified in Section 1, the issues listed in this section represent low-hanging fruit, policies that can be addressed in relatively short order.



### 1. ENSURE THAT SPECIAL EDUCATION TEACHERS ARE ADEQUATELY PREPARED TO TEACH SUBJECT MATTER:

To allow special education students the opportunity to reach their academic potential, special education teachers should be well trained in subject matter. As a first step toward ensuring requisite content knowledge, Colorado should require that elementary special education candidates pass the same PLACE assessment or Praxis II subject-area test as other elementary teachers.

### 2. INFORM THE PUBLIC ABOUT TEACHER PREPARATION PROGRAM QUALITY:

Even though Colorado does not collect more meaningful data to measure the performance of teacher preparation programs, it should at least publish on the state's website the licensure test pass rate data for each program that are reported to the federal government as required under Title II.



### **3. ENSURE THAT OUT-OF-STATE TEACHERS MEET THE STATE'S TESTING REQUIREMENTS:**

Colorado should uphold its standards for all teachers and insist that out-of-state teachers meet its own licensure test requirements. While it is important not to create unnecessary obstacles for teachers seeking reciprocal licensure in a new state, testing requirements can provide an important safeguard. Particularly given the variance of the passing scores required on licensure tests, states must not assume that a teacher that passed another state's test would meet its passing score as well. Colorado takes considerable risk by granting a waiver for its licensing tests to any out-of-state teacher who has three years of teaching experience. The state should not provide any waivers of its teacher tests unless an applicant can provide evidence of a passing score under its own standards. The negative impact on student learning stemming from a teacher's inadequate subject-matter knowledge is not mitigated by a teacher's having recent experience.

### **4. REPORT SCHOOL-LEVEL DATA TO SUPPORT THE EQUITABLE DISTRIBUTION OF TEACHERS:**

Colorado currently publicly reports the percentage of highly qualified teachers at the school level, but it only reports district-level data on the percentage of teachers on emergency credentials. The state also compares the percentage of highly qualified teachers at high- and low-poverty schools by district. In order to promote the equitable distribution of teacher talent among schools within districts, these data should also be reported at the individual school level.

## Section 3: Systemic Issues

This section discusses some of the longer-term systemic issues related to teacher quality that states also need to address. While these may not be “front-burner” issues in many states, they are important to an overall reform agenda.

### 1. Performance Management

The critical relationship between teacher quality and student achievement has been well established, and ensuring that all students have teachers with the knowledge and skills to support their academic success has become a national priority. Yet the policy framework that governs the teaching profession in most states is almost entirely disconnected from teacher effectiveness. Although states largely control how teachers are evaluated, licensed and compensated, teacher effectiveness in terms of student learning has not been a central component in these policies.

Fortunately, this is starting to change. Fifteen states, including Colorado, have made progress in their requirements for teacher evaluation in the last year alone.<sup>1</sup> As evaluation ratings become more meaningful, states should plan to connect teacher evaluation to an overall system of performance management. The current siloed approach, with virtually no connection between meaningful evidence of teacher performance and the awarding of tenure and professional licensure, needs a fundamental overhaul. These elements must

not be thought of as isolated and discrete, but as part of a comprehensive performance system. This system should also include compensation strategies, as well as new teacher support and ongoing professional development, creating a coordinated and aligned set of teacher policies.

Meaningful evaluation is at the center of a performance management system. Colorado is already working to ensure that evaluations measure teacher effectiveness. As the state moves forward, it should keep in mind the larger goal of creating a performance management system.

A successful performance management system—one that gives educators the tools they need to be effective, supports their development, rewards their accomplishments and holds them accountable for results—is essential to the fundamental goal of all education reform: eliminating achievement gaps and ensuring that all students achieve to their highest potential.

<sup>1</sup> Includes changes to state policies regulating the frequency of evaluations for probationary and nonprobationary teachers as well as requirements that teacher evaluations consider classroom effectiveness.

## 2. Pension Reform

State pension systems are in need of a fundamental overhaul. In an era when retirement benefits have been shrinking across industries and professions, teachers' generous pensions remain fixed. In fact, nearly all states, including Colorado, continue to provide teachers with a defined benefit pension system, an expensive and inflexible model that neither reflects the realities of the modern workforce nor provides equitable benefits to all teachers.

The current model greatly disadvantages teachers who move from one state to another, career switchers who enter teaching and those who teach for fewer than 20 years. For these reasons alone, reform is needed. But the dubious financial health of states' pension systems makes this an area in need of urgent attention. Some systems carry high levels of unfunded liabilities, with no strategy to

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Amount Colorado pays for each teacher that retires at an early age with unreduced benefits until that teacher reaches age 65<sup>4</sup>

pay these liabilities down in a reasonable period, as defined by standard accounting practices. According to Colorado's 2009 actuarial report, its system was only 67 percent funded, significantly below recommended benchmarks.<sup>1</sup> When funding cannot keep up with promised benefits, a new approach is clearly needed. And changes must be made immediately to alter the long-term outlook for the state, as it is exceedingly difficult to reduce promised benefits once a teacher is a member of the system--regardless of whether the state can afford them.

Systemic reform should lead to the development of a financially sustainable, equitable pension system that includes the following:

- The option of a fully portable pension system as teachers' primary pension plan, either through a defined contribution plan or a defined benefit plan that is formatted similar to a cash balance plan<sup>2</sup>

- Reasonable district and teacher contribution rates
- Vesting for teachers no later than the third year of employment
- Purchase of time in a defined benefit plan for unlimited previous teaching experience at the time of employment, as well as for all official leaves of absence, such as maternity and paternity leave
- The option in a defined benefit plan of a lump-sum rollover to a personal retirement account upon employment termination, which includes teacher contributions and all accrued interest at a fair interest rate
- Funds contributed by the employer included in withdrawals due to employment termination
- A neutral formula for determining pension benefits, regardless of years worked (eliminating any multiplier that increases with years of service or longevity bonuses)<sup>3</sup>
- Eligibility for retirement benefits based solely on age, not years of service, in order to avoid disincentives for effective teachers to continue working until conventional retirement age.

1 Public Fund Survey, <http://www.publicfundsurvey.org/www/publicfundsurvey/actuarialfundinglevels.asp>.

2 A cash balance pension plan is a benefit plan in which participants, and their employers if they choose, periodically contribute a predetermined rate to employees' individual pension accounts. These contributions grow at a guaranteed rate. Upon retirement or withdrawal, the participant may receive the full account balance in one lump sum, so long as the benefits are fully vested. (Based on Economic Research Institute, <http://www.eridlc.com/resources/index.cfm?fuseaction=resource.glossary>)

3 The formula may include years of service (i.e., years of service x final average salary x benefit multiplier), but other aspects of the benefit calculation, such as the multiplier, should not be dependent on years of service.

4 Calculations are based on a teacher who starts teaching at age 22, earns a starting salary of \$35,000 that increases 3 percent per year, and retires at the age when he or she is first eligible for unreduced benefits. Calculations use the state's benefit formula for new hires, exclude cost of living increases, and base the final average salary on the highest three years. Age 65 is the youngest eligibility age for unreduced Social Security benefits.



### 3. Certification of Special Education Teachers

States' requirements for the preparation of special education teachers are one of the most neglected and dysfunctional areas of teacher policy. The low expectations for what special education teachers should know stand in stark contradiction to state and federal expectations that special education students should meet the same high standards as other students.

Colorado, like most states, sets an exceedingly low bar for the content knowledge that special education teachers must have. The state does not require that elementary special education teachers garner appropriate subject-matter knowledge relevant to the elementary classroom through mandated coursework or demonstrate content knowledge on a subject-matter test. Further, although secondary special education teachers must be highly qualified in every subject they will teach, the state does not require that teacher preparation programs graduate teachers who are highly qualified in any core academic areas.

But the problem requires a more systemic fix than just raising content requirements for elementary and

secondary special education teachers. The overarching issue is that too many states, including Colorado, make no distinction between elementary and secondary special education teachers, certifying all such teachers under a generic K-12 special education license. While this broad umbrella may be appropriate for teachers of low-incidence special education students, such as those with severe cognitive disabilities, it is deeply problematic for high-incidence special education students, who are expected to learn grade-level content. And because the overwhelming majority of special education students are in the high-incidence category, the result is a fundamentally broken system.

It is virtually impossible and certainly impractical for states to ensure that a K-12 teacher knows all the subject matter he or she is expected to be able to teach. And the issue is just as valid in terms of pedagogical knowledge. Teacher preparation and licensure for special education teachers must distinguish between elementary and secondary levels, as they do for general education. The current model does little to protect some of our most vulnerable students.

Figure 5

*Do states distinguish between elementary and secondary special education teachers?*

	Offers only a K-12 certification	Offers K-12 and grade-specific certification(s)	Does not offer a K-12 certification
Alabama	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alaska	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Arizona	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arkansas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
California	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COLORADO</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Connecticut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Delaware	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
District of Columbia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Florida	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Georgia	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hawaii	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Idaho	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Illinois	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indiana	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Iowa	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kansas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kentucky	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Louisiana	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maine	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maryland	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Massachusetts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Michigan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Minnesota	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mississippi	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Missouri	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Montana	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nebraska	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nevada	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
New Hampshire	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
New Jersey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
New Mexico	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
New York	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Carolina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Dakota	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ohio	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oklahoma	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oregon	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pennsylvania <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rhode Island	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
South Carolina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
South Dakota	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tennessee	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Texas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utah	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vermont	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Virginia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Washington	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
West Virginia	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wisconsin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wyoming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<b>22</b>	<b>17</b>	<b>12</b>

1 New policy goes into effect January 1, 2013.





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**NCTQ is available to work with individual states to improve teacher policies.**

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