

Career and Technical Education and Afterschool



Afterschool Alliance



Childhood Services

Welcome!

- **Webinar Tips!**

- Press *6 to mute or unmute your line. Please mute your line unless you are speaking
- Please do not Put the call on hold as it disrupts the call for everyone.
- The call-in number is 1-888-468-1160 and enter the code: 876914#



The Arkansas Out of School Network

Mission: To create safe, healthy and enriching learning experiences for children and youth ages 5-19 during the out-of-school time hours.



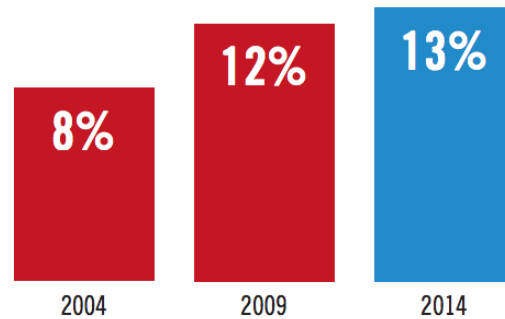
About the Network

AOSN is a sponsored initiative of Arkansas State University and is housed within the College of Education and Behavioral Sciences in the Dept. of Childhood Services and is one of the 50 State Afterschool Networks in the U.S. With support from the Charles Stewart Mott Foundation and other partners, AOSN is working to expand access to quality afterschool and summer learning programs.

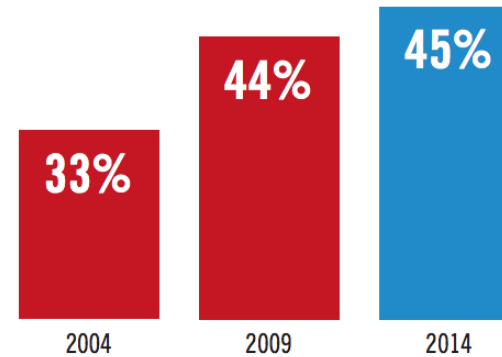


OVERALL DEMAND FOR AFTERSCHOOL PROGRAMS

Afterschool Program Participation in Arkansas



Demand for Afterschool Programs in Arkansas



13%
of children are
unsupervised after
school in 2014 for
an average of 7.73
hours per week.

On average, children spend **6.25** hours and **3.64** days per week in an afterschool program.

America After 3PM revealed that 65,107 children (13%) in Arkansas participate in an afterschool program, yet 190,563 children (45%) would be enrolled in a program if one were available to them.

The Afterschool Alliance

- Chris Neitzey,
Director of STEM Initiatives



- Jillian Luchner,
Policy Manager



What is Career and Technical Education or CTE?





Career Technical Education (CTE) prepares students of any age with the academic and technical skills, knowledge and training necessary to succeed in future career and to become lifelong learners.

- From early career exploration to highly technical training
- Includes all sectors and professions



From Vocational Education to CTE (Advance CTE)

THEN VOCATIONAL EDUCATION	vs.	NOW CAREER TECHNICAL EDUCATION
 for a <u>Few Students</u>	vs.	 for ALL STUDENTS
 for a <u>Few "Jobs"</u>	vs.	 for ALL CAREERS
 <u>Terminal</u>	vs.	 LIFE-LONG LEARNING

THEN VOCATIONAL EDUCATION	vs.	NOW CAREER TECHNICAL EDUCATION
 <u>In lieu of</u> Academics	vs.	 ALIGNS & SUPPORTS ACADEMICS
<u>6 to 7</u> "Program Areas"	vs.	16 CAREER CLUSTERS® 79 CAREER PATHWAYS
 <u>High-School Focused</u>	vs.	 HIGH SCHOOL & POSTSECONDARY ALIGNMENT

Career Clusters & Career Pathways

Arkansas Career Fields, Clusters, and Pathways

❖ Agriculture, Food & Natural Resources

- Agribusiness Systems
- Animal Systems
- Food Products & Processing Systems
- Natural Resource & Environmental Systems
- Plant Systems
- Power, Structural & Technical Systems



❖ Finance

- Accounting
- Banking Services
- Business Finance
- Insurance & Investments

❖ Hospitality & Tourism

- Restaurants, Food & Beverage Services
- Travel & Tourism

❖ Business, Management & Administration

- Administrative Services
- General Management

❖ Marketing, Sales & Service

- Marketing Management
- Marketing Research

❖ Human Services

- Consumer Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services

❖ Education & Training

- Teaching & Training

Agriculture, Food & Natural Resources

CAREER FIELD

Communications & Information Technology

CAREER FIELD

Arkansas Standards for College & Career Readiness

Specialized CTE work-based learning opportunities are available in FACS E² (Entrepreneurial Experience), Business/Marketing SBO (Small Business Operations) and COE (Cooperative Office Education), IAG (Jobs for Arkansas's Graduates), and Internship.

Foundation knowledge and skills for all career pathways include:

Academic and Technical Skills • Career Development
Critical Thinking & Problem Solving • Communication
Creativity & Innovation • Research Strategies
Personal Finance • Technology for Productivity
Collaboration • Cultural & Global Awareness
Civic & Personal Responsibility
Communication • Decision Making
Workplace Ethics

Business, Management & Administration

CAREER FIELD

Human Services & Education

CAREER FIELD

Health Science, Criminal Justice & Public Safety

CAREER FIELD

Industrial & Engineering Technology

CAREER FIELD

❖ Arts, A/V Technology & Communication

- Media Communications
- Visual Arts

❖ Information Technology

- Network Systems
- Programming & Software Development
- Web Design & Digital Communications

❖ Architecture & Construction

- Construction
- Design & Pre-Construction

❖ Manufacturing

- Manufacturing Production
- Maintenance, Installation & Repair
- Production/Process Technology

❖ STEM

- Engineering & Technology
- Science & Math

❖ Transportation, Distribution & Logistics

- Mobile Equipment, Maintenance & Repair

LEGEND

❖ = Career Cluster

▪ = Career Pathway

❖ Health Science

- Biotechnology Research & Development
- Health Services

❖ Government & Public Administration

- National Security

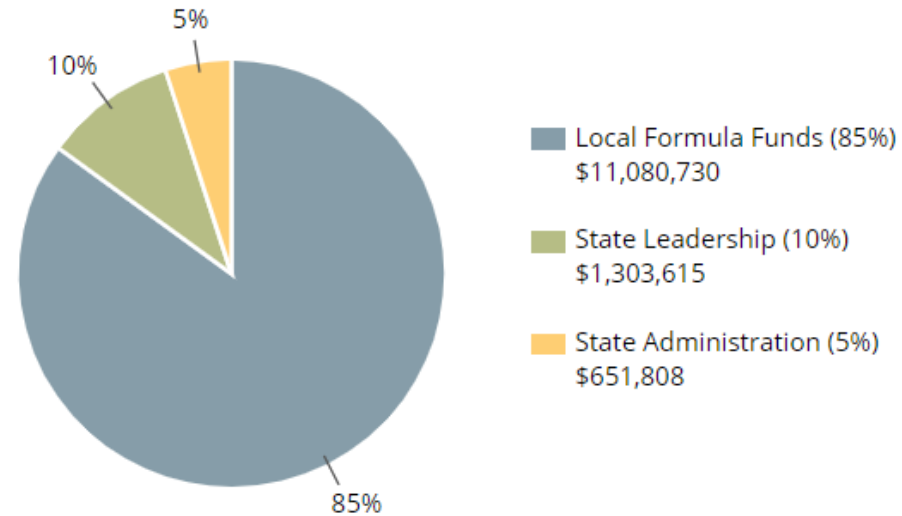
❖ Law, Public Safety, Corrections & Security

- Law Enforcement Services

CTE in Arkansas

TOTAL GRANT AWARD
\$13,036,153
For FY 2019

Distribution of FY 2019 Total Grant Award



Distribution of FY19 State Leadership Funds

State Leadership	\$1,303,615	Percent
Other State Leadership	\$1,096,950	84%
Individuals in Institutions	\$130,362	10%

Distribution of FY19 Local Formula Funds

Allocation to Eligible Recipients	\$9,972,657	Percent
Secondary Recipients	\$7,479,493	75%
Postsecondary Recipients	\$2,493,164	25%

CTE in Arkansas

Top CTE concentrators are:

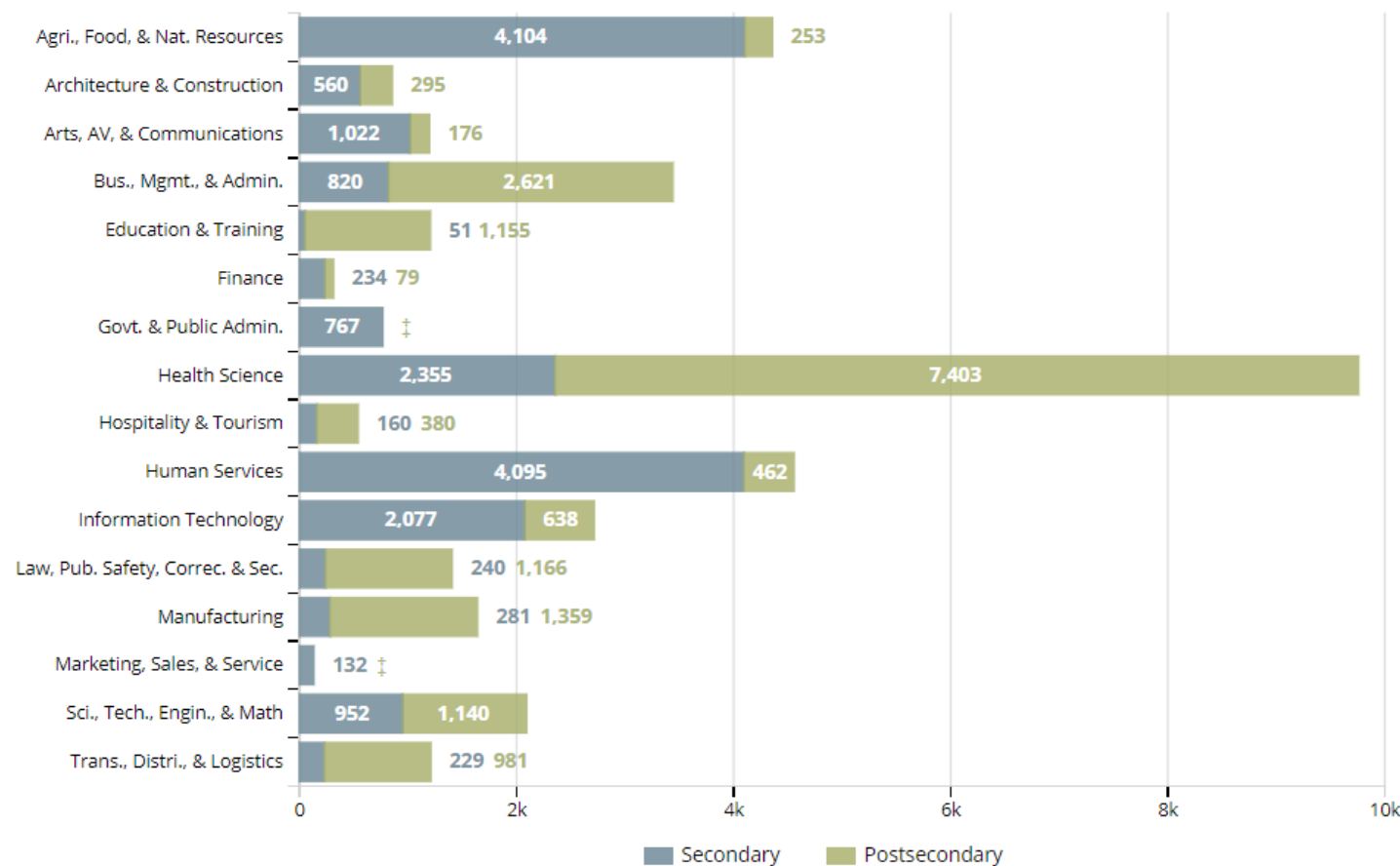
- Agriculture
- Human Services
- Health Sciences
- Information Technology

ARKANSAS - ENROLLMENT

CTE Concentrators CTE Participants

2017-2018 CTE Concentrator Enrollment by Career Cluster

[Chart](#) [Table](#) [Download](#)

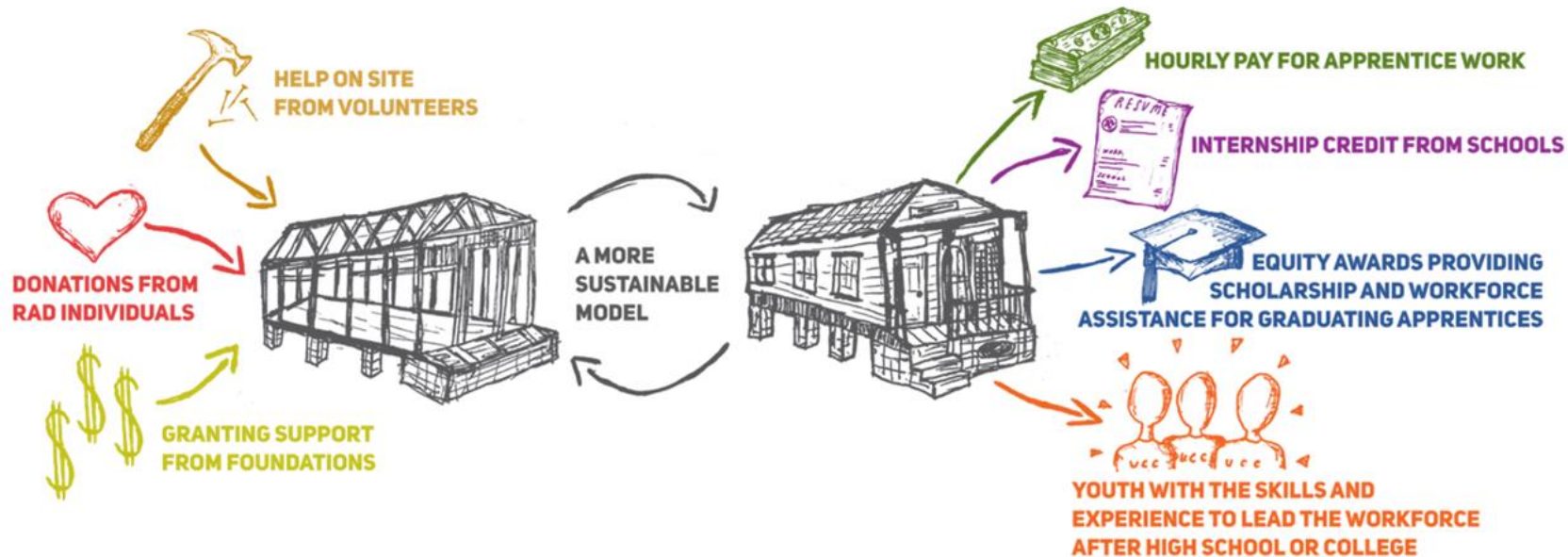


Afterschool and CTE

unCommon Construction – New Orleans, LA



At unCommon Construction, youth from different high schools apply to join a diverse team to earn hourly pay and school internship credit for building a house in a semester. With the revenue from each project, apprentices also earn a matching "Equity Award Scholarship" for further education, industry certifications or the tools needed for long-term employment. Through more than 100 hours each semester, apprentices develop career awareness and exposure, technical, soft skills, and leadership abilities through a work-based learning experience in a real-world classroom.



Afterschool and CTE

After-School All-Stars - Big City Builders in Washington, DC

- Works with the real estate industry in D.C. to focus on urban development, interacting with a broad array of careers including architects, construction crews and engineers, lawyers, bankers and accountants, real-estate agents, and even the city governments.



ARKANSAS EXAMPLES:



Camp War Eagle - The Amazing Shake

Bentonville, AR

Each year Camp War Eagle, in partnership with the local business community, hosts a competition for its 2nd-5th grade students that supports foundational skills. The goal: to prepare students for the workforce by putting them in real world situations. Students participate in public speaking exercises, submit a resume, sit through a real job interview process and role play workplace scenarios. The winner of the competition receives a scholarship to be placed in a savings account, while the top six win a trip to the national competition in Atlanta.



TekStarz

Jonesboro, AR

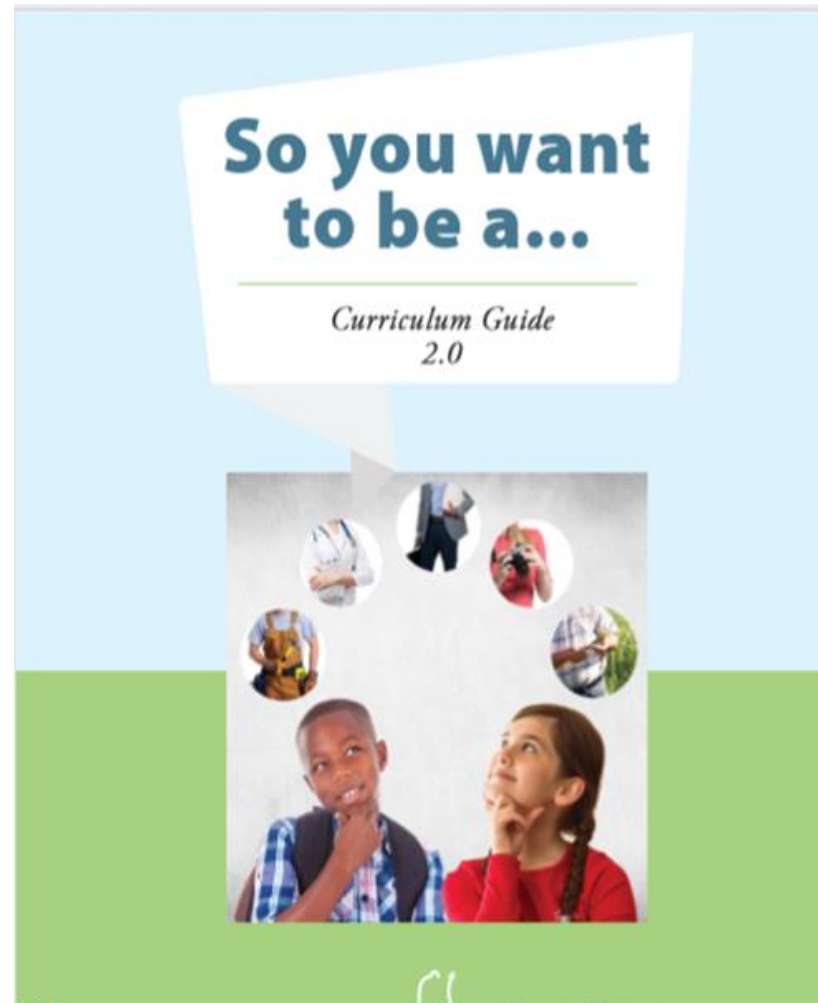
Each summer the Jonesboro Regional Chamber of Commerce hosts a summer camp for 8th graders that allows them to explore careers in the manufacturing sector. Students engage with engineers, scientists, industrial mechanics and plant managers on site in hands-on projects that help them learn about various career opportunities and the local economy.

Afterschool Career Curriculum Guides

Nebraska's "So you want to be a..." curriculum

Found at:

<https://beyondschoolbells.org/resources/bsb-curriculum.html>



So you want to be a...

Career Education Curriculum for Afterschool Programs



The Career Education After School Curriculum is an introduction to and exploration of the six career fields and is designed to be 18 lessons in length. Each of the six career fields will cover three themes, intended to:

- **Engage** students in an in depth look into the career fields and pathways.
- **Explore** what career possibilities exist within each of the fields for each student.
- **Encounter** real life problems—students will be asked to seek a solution for these problems as if they were already employed in the career field.

Each of the six fields is broken into three lessons: **Introduction, Exploration and Demonstration.**

At the end of the six units, after school programs are encouraged to add a fourth component: **Connection.** The Connection component is an opportunity for students to showcase their unit projects and connect with the community—specifically individuals within the career field they have studied as well as local business, school and government leaders.

Strengthening Career and Technical Education for the 21st Century Act



Afterschool Alliance

2018: New CTE Update

Strengthening the Career and Technical Education for the 21st Century Act

- The purpose of this Act is to develop more fully the academic knowledge and technical and employability skills of secondary education students and postsecondary education students who elect to enroll in career and technical education programs and programs of study, by....
- (3) increasing State and local flexibility in providing services and activities designed to develop, implement, and improve career and technical education;

What's changed in Perkins V? (Advance CTE)

Program Improvement

- Comprehensive local needs assessment
- New national competitive grant program
- Focus on labor market alignment

Flexibility

- Retains governance structure
- Expands support to middle grades
- Alignment to ESSA and WIOA

Data & Accountability

- State-determined performance levels
- Focus on equity
- Shifts in accountability indicators

Perkins CTE and Afterschool



**Employability Skills
(Leadership)**



**Career Exposure
and Exploration**



Middle Grades



Non-traditional Fields



**Intermediaries
(Employer Engagement)**

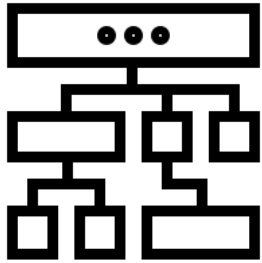


Innovation



**Applied, Hands-
On and Work-
Based Learning**

Youth Serving Organizations Play a Role in CTE



State Planning



Local Planning and Needs Assessments



Eligible uses of Local Funds



Community Based and Youth Serving Providers

Federal Laws Support Work with Partners

CTE (2018)

- Eligible uses of local funds includes – building relationships with community stakeholders including community based and youth serving organizations
- Employability skills*
- Middle Grades (5th)
- Underrepresented students and nontraditional fields, STEM

* See the Afterschool Alliance Issue Brief: Building Workforce Skills in

ESSA (2015)

- College AND Career readiness focus
- Accountability – Ex. North Dakota's Essential skills: 2 or more co-curricular activities
- 21st Century Community Learning Centers – alignment with WIOA, CTE and workforce, STEM



ESSENTIAL SKILLS

Earn a North Dakota high school diploma

Complete a 9-week Career Education Course/Individual Counseling (15.1-21-18), Financial Literacy (15.1-21-21), and pass ND indicators:

■ 25 hours of Community Service

■ 95% Attendance (not counting school related absences)

■ Two or more years in organized Extra-Curricular Activities

■ Successfully complete a Capstone Project

WIOA (2014)

- 25% of funds for youth can be used for youth 14-21 who meet criteria
- Many students need paid work – funding provides a pathway
- Examples of locations innovatively braiding and blending (P3) funds
 - Children Services Council of Broward County*
 - WorkReady Philadelphia*

*See the AYPF Issue brief on Afterschool and Workforce: Opportunities for Systems Level Alignment

State Planning

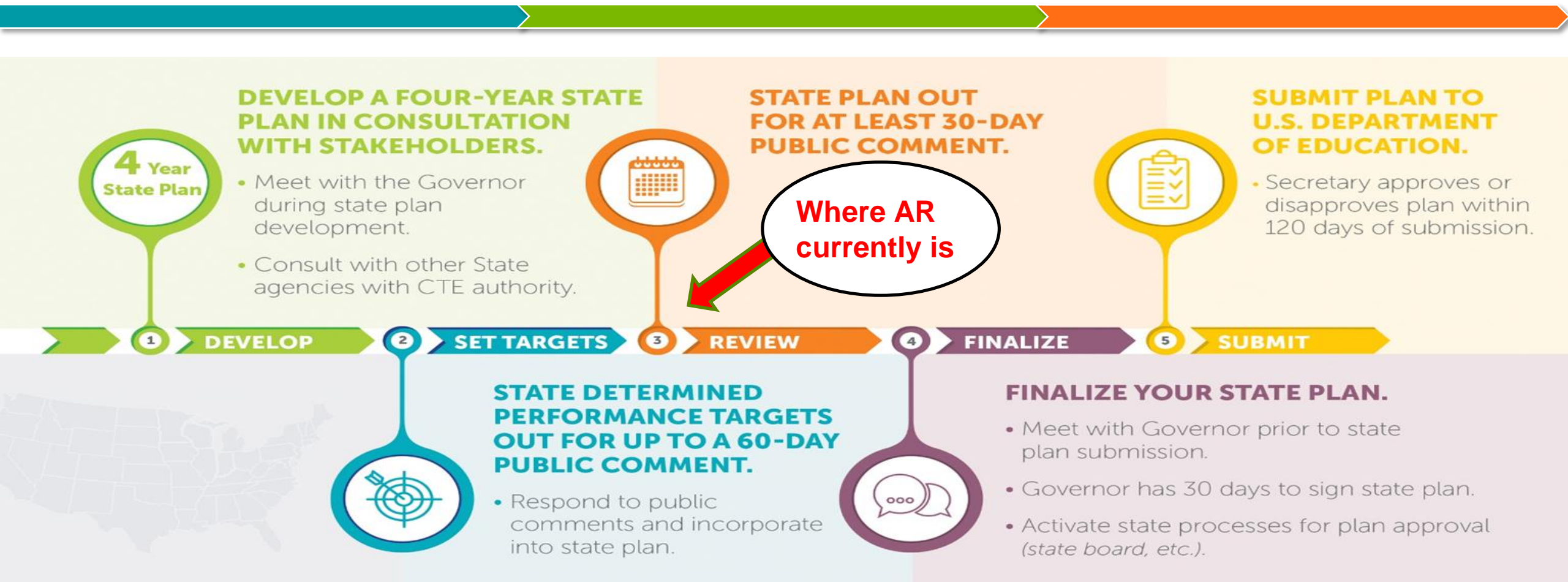


**U. S. Department of Education
Office of Career, Technical, and Adult Education**

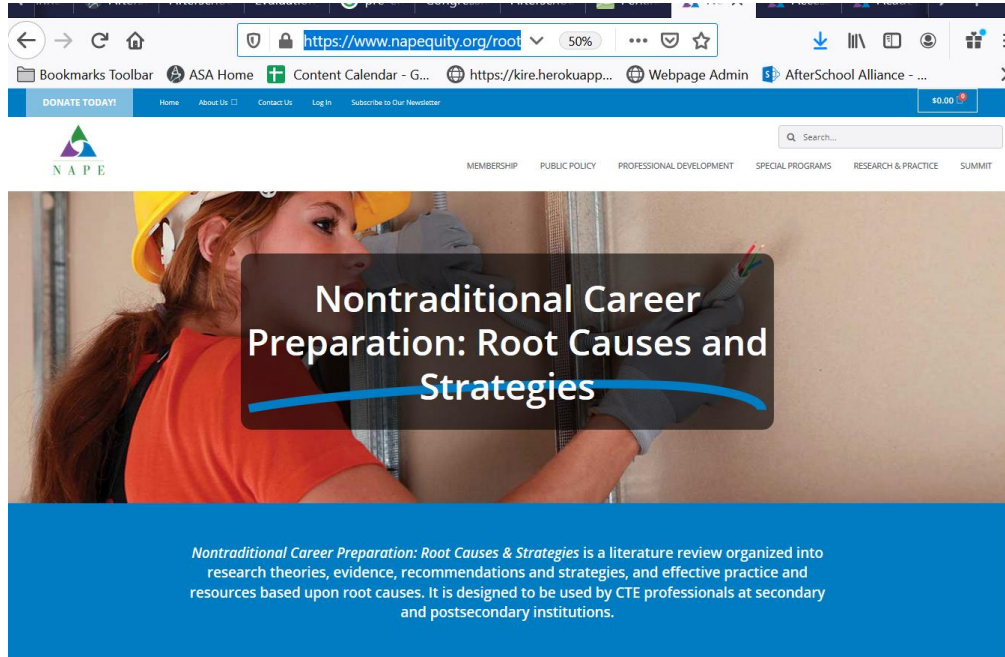
***The Carl D. Perkins Career and Technical
Education Act of 2006,
as amended by the
Strengthening Career and Technical Education
for the 21st Century Act
(Perkins V)***

**GUIDE FOR THE SUBMISSION
OF STATE PLANS**

State Plan Development & Submission Process (Advance CTE)



Local Planning



<https://www.napequity.org/root/>

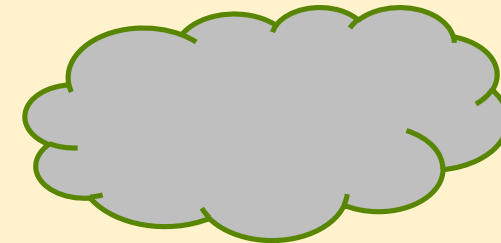
- Multidisciplinary Skill-based Summer Program and Math Computer Tutors offered to high school girls a residential summer project
- [Making Science Cool: New Videos about Afterschool Hands-on Activities](#) The After-School Corporation recently released a series of short videos that make the case for doing science after school.
- [Boston's Museum of Science Computer Clubhouse](#) provides a creative and safe after-school learning environment where young people from under-served communities work with adult mentors to explore their own ideas, develop skills, and build confidence in themselves through the use of technology

Comprehensive Local Needs Assessment

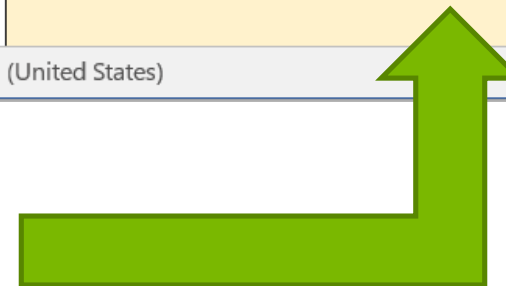
Section 134(c)

- (E) Provide a description of progress toward implementation of equal access to high-quality career and technical education courses and programs of study for all students, including –
- (iii) providing activities to prepare special populations for high-skill, high-wage, or in-demand industry sectors or occupations in competitive, integrated settings that will lead to self-sufficiency

Describe:



sh (United States)



Resources to make the case for afterschool in CTE initiatives



Afterschool Alliance

National CTE one-pager

National level one-pager that can be used to supplement local information.

STEM outcomes to connect to CTE pathways and careers.


Available at:

http://afterschoolalliance.org/documents/CTE_factsheet.pdf

CAREER & TECHNICAL EDUCATION

Preparing young people for the jobs of tomorrow

This is Afterschool



It's time to rethink CTE!

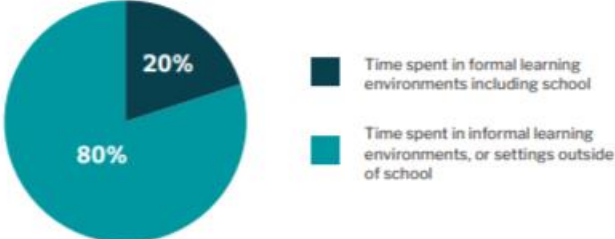
To address the nation's skills gap and prepare our emerging workforce for the changing economy, young people need access to expanded learning opportunities made possible by afterschool and summer learning programs. These programs are critical partners for Career and Technical Education (CTE) programs and help young people develop skills that employers need.

Afterschool: An Ideal CTE Partner

Afterschool provides a flexible learning environment and has a proven track record for combining enrichment, academics and real-world experiences to serve more than 10 million young people in all 50 states. Afterschool programs have expertise leveraging resources from multiple community partners, including businesses, parents, libraries, schools, museums and health centers.

Learning doesn't just happen in school.

For students in elementary through high school, **more than 80 percent** of their time is spent **learning outside of school**— at afterschool and summer programs, in libraries, museums, science centers, at home or in the community. **Fewer than 20 percent** of their 16 waking hours are **spent in school**.¹



Learning Environment	Percentage
Time spent in formal learning environments including school	20%
Time spent in informal learning environments, or settings outside of school	80%

Messaging toolkit

Talking points aligned to sections of the new law for programs and advocates to use in meetings with local districts.

Available at:

<https://afterschoolalliance.org/documents/AA%20CTE%20Message%20Guide%20092419.pdf>

Theme that unites afterschool and CTE	Learning happens across times and places	Partnerships are critical	Effective career exposure starts early and is diverse
How theme shows up in the new CTE legislation	<ul style="list-style-type: none"> ✓ The U.S. Department of Education is encouraging states to “rethink” CTE by “Promoting innovative practices to reshape where, when, how, and to whom CTE is delivered.” 	<ul style="list-style-type: none"> ✓ Requires a stakeholder engagement process including “interested community representatives, including parents, students, and community organizations.” ✓ Allows intermediaries, like community partners, to connect the school with broader opportunities. ✓ Explicitly lists partnerships with community-based and youth-serving organizations as eligible uses of local funds. 	<ul style="list-style-type: none"> ✓ Federal CTE funding can now be used for grades 5 and up. ✓ Students can be introduced to and have experiences with career pathways and the breadth of career options before they get to high school.
Messages to make the connection to afterschool	<ul style="list-style-type: none"> ✓ Afterschool programs expand learning opportunities to help students explore different careers and prepare for the jobs of tomorrow. ✓ Time in afterschool—about 1,080 hours per year or the equivalent of 144 school days—can be used to help kids explore careers, build skills and gain hands-on experience through work-based learning, job shadowing, mentorships and internships. ✓ Learning doesn’t just happen in school. Students in elementary through high school spend more than 80% of their time learning outside of school—in afterschool and summer programs, libraries, museums, science centers, at home or in the community. ★ Fun Fact: 75% of Nobel Scientists say their passion for their work was first sparked during out-of-school time. 	<ul style="list-style-type: none"> ✓ Afterschool programs have expertise leveraging resources from multiple community partners, including businesses, parents, libraries, schools, parks, museums, food providers and health centers. ✓ State and local partnerships between CTE and afterschool have successfully leveraged resources to create comprehensive programs and curricula that would not be possible working alone. ✓ Each state has a well-connected afterschool network that can act as a coordinating hub as states develop their plans. ★ Fun Fact: A typical 21st CCLC afterschool program receives \$67,000 in matching contributions and works with 9 additional partners. 	<ul style="list-style-type: none"> ✓ Innovative afterschool programs introduce students of all ages—from elementary to middle and high schoolers—to new interests and a wide range of careers, including in STEM fields. ✓ Afterschool programs partner with businesses, parents and other volunteers to expose young people to professional mentors, work-site visits and real-world problem solving that prepares them for future careers. ✓ For example, elementary students take part in coding, welding or other career-themed clubs; middle schoolers practice mock interviews with local professionals and participate in engineering or research camps with area colleges; high schoolers earn internship credits through real, on the job, paid experiences with local businesses. ★ Fun Fact: Afterschool programs sometimes call this work positive youth development, and have frameworks, observational tools, and surveys to ensure they are using research based best practices.

Arkansas Perkins Plan – Helpful Links

Perkins Links

Perkins Overview

https://dcte.ade.arkansas.gov/docs/PerkinsV/Overview/arcareeredperkinsvoverview_jl.pdf

Perkins Draft – Plan Out for Public comment until Jan. 25, 2020

<https://dcte.ade.arkansas.gov/docs/Resources//1-3-20PerkinsVDraft.pdf>

Perkins page with public comment link

<https://dcte.ade.arkansas.gov/Page/PerkinsV>

Additional Resources

- Issue Brief- Building Workforce Skills in Afterschool
http://afterschoolalliance.org/documents/issue_briefs/issue_workforce_readiness_70.pdf
- Fact Sheet - This is Afterschool STEM
http://afterschoolalliance.org/documents/this_is_afterschool_stem.pdf
- America After 3PM – Arkansas
- http://afterschoolalliance.org/AA3PM/detail.html#s/AR/demand/p_of_children_in_programs_2014

Q & A



Afterschool Alliance



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www.aosn.org - Join our List Serve for timely information

THANK YOU FOR PARTICIPATING:
The recording and slides will be shared within 5-7 business days