



Make Roane County
the First K-14
Community
in Tennessee



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What is K-14?



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The background of the slide is a blue-tinted photograph of a student with dark hair, seen from the side, looking down at a microscope on a desk. The student is wearing a light-colored shirt. The overall tone is educational and professional.

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K-14 is an educational model that incorporates Roane County's post-secondary institutions (Roane State and TCAT) into public high school career pathways that enable students to graduate high school with a college degree or certificate.



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K-14 School Programming

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The New Facility Would Be Comprised of Space at This %:

- » General Academic – 21%
- » Shared Core – 21%
- » Career & Technical Ed (CTE) – 18%
- » Health and Wellness – 14%
- » Team Sports – 8%
- » Assembly – 6%
- » Arts – 7%
- » Building Support – 3%
- » Collaboration – 2%

- CTE includes RSCC and TCAT partnerships
- No other school in TN includes all of these opportunities
- Changeable “flex” space to meet rapidly changing needs



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These percentages are the result of community input



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K-14 School Programming

A K-14 School in Roane County would include:

- » Opportunity for all students to participate in:
 - » Dual enrollment at RSCC
 - » Dual enrollment at TCAT
 - » Middle College/Early College at RSCC
 - » Middle TCAT
- » Students would graduate with at least 4 college classes
- » Every Roane County student would have greater opportunity to attain a college credential earlier than every other student in neighboring communities



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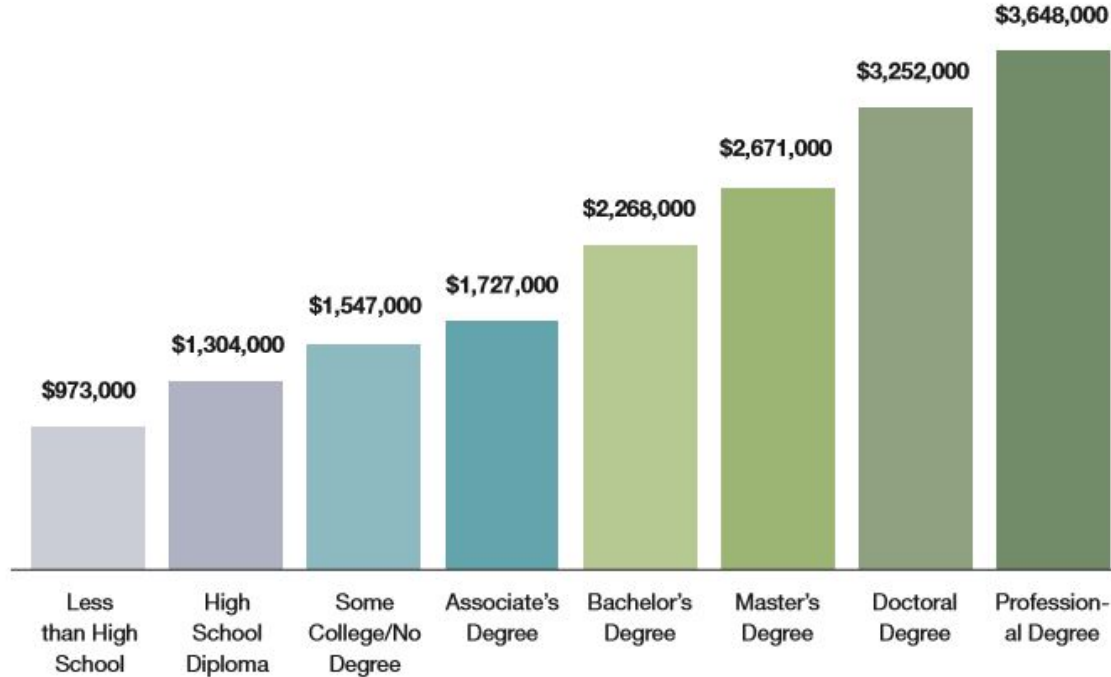


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FIGURE 1: MEDIAN LIFETIME EARNINGS BY HIGHEST EDUCATIONAL ATTAINMENT, 2009 DOLLARS



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What Is at Stake?



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What Is at Stake?

Population Trends*

Knox County MSA (9 Counties)

2010 837,571

2016 868,546

30,975 or

+3.7%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Knox County

2010 432,226

2016 456,132

23,906

or

+5.5%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Blount County

2010 123,010

2016 128,640

5,630

or

+4.6%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Anderson

2010 75,128

2016 75,936

808

or

+1.1%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Loudon

2010 48,556

2016 51,454

2,898

or

+6.0%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Cumberland

2010 56,053

2016 58,655

2,602

or

+4.6%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Monroe

2010 44,519

2016 45,970

1,451

or

+3.3%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Rhea

2010 31,809

2016 32,442

633

or

+2.0%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Meigs

2010 11,753

2016 12,005

252

or

+2.1%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Hamblen

2010 62,544

2016 63,785

1,241

or

+2.0%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Bradley

2010 98,963

2016 104,490

5,527

or

+5.6%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

Roane County

2010 54,181

2016 52,874

-1,307

or

-2.4%

* U.S. Census Bureau



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What Is at Stake?

Population Trends*

In 30 years, Roane County has dropped from the 18th largest county in Tennessee to the 28th



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* U.S. Census Bureau



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What Is at Stake?

Population Trends

Effects of Population Decline:

- Labor shortage
- Increase in crime
- Out-migration of talent
- Aging population
- Business closings/ Layoffs
- Decrease in property values
- Decreased tax base
- Decrease in government services
- Decline in public facilities
- Much more challenging to attract large employers



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How Do Schools Impact Demographics?

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Hardin Valley Academy

2016 New Construction Activity:
913 Residential Permits

Population: 77,002
1186: 100,000



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How Do Schools Impact Demographics?

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Alcoa High School

2015 New Building Activity:
44 New Construction Permits

Population: 9,874
446:100,000



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How Do Schools Impact Demographics?

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Roane County High School

2017 Roane County
New Residential Permits:
78

Population: 52,874
146:100,000



How Do Schools Impact Demographics?

New Residential Permits per 100,000 residents

Hardin Valley (Northwest Knox Planning Sector) 1186 : 100,000

Alcoa 446 : 100,000

Roane County 146 : 100,000



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How Does K-14 Make a Difference?



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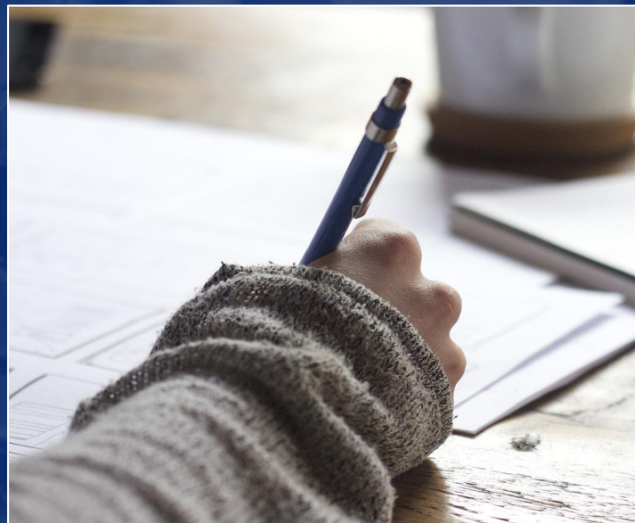
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Gaining a Competitive Advantage

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**K-14 Education moves
Roane County ahead
of other growing
communities in how
we educate our
children**



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Making a Difference

A New K-14 School in Roane County would :

- » Create a new environment for learning
 - » Designed for safety
 - » Much more efficient
 - » Savings in costs
- » Provide new pathways to the careers of tomorrow
- » Teach curriculum not included in top neighboring schools
- » Create first of its kind partnerships with RSCC and TCAT
- » Incorporate local businesses and industries into learning including Oak Ridge National Lab



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What Other Impacts Are There?



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Indirect Impacts

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- » Potential new housing developments, reversing the negative population trend
- » Potential new retail growth as evidenced by other counties' experience
- » Economic growth through new company relocations



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Indirect Impacts

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» Our kids have a reason to stay
or come back home



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A young student with dark hair in pigtails is focused on looking through a microscope in a classroom setting. The image is overlaid with a semi-transparent dark blue filter.

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What Stands in the Way?



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Obstacles

- » Funding/Timing
- » Property/Site Selection
- » Historical County Division
- » Public Misinformation



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A background image of a young student with dark hair, wearing a light-colored shirt, looking through the eyepiece of a microscope in a classroom setting. The image is overlaid with a semi-transparent dark blue rectangle.

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What Are the Solutions?



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Solutions

Funding/Timing

- School Plan will cost \$50M estimated to at \$2.9M annually
- In 2023, 14.5 cents of county debt is retired.
- A new school can contribute savings to the debt service,
- The principal on the new loan doesn't begin payment until 2023
- To begin construction and open the new school by Fall 2021, \$3M needs to be raised to pay the interest on new debt until 2023

Other methods: Sales tax increase, wheel tax, economic growth

Solutions

Property/Site Selection

- Partnerships with RSCC and TCAT make adjacent property to RSCC appealing
- The land is available and should not be a deterrent to the progress of the project
- Cost of land will be factored into the project cost, or the land could be donated by the Tennessee Board Regents



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Solutions

Historical County Division

- A K-14 new school would far surpass anything we are able to offer our students now
- The new school would help overcome decades of division between relatively small communities
- The comprehensive plan preserves Oliver Springs as a STEAM focused school and Midway whose focus is TBD
- Each of the 3 schools would offer something different and specialized



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Solutions

Public Misinformation

- Accurate information from the School Board, County Commission, Roane State and TCAT will be shared by the Roane Chamber throughout the entire process
- A multi-platform educational campaign will work to inform the public why this plan is critical to the future of Roane County
- The campaign will include website, social media, hard copy promotional cards and FAQ's, and in-person presentations
- If not K-14 as a solution, then what?



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A Personal Reason for All of Us



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What would Roane County do if a serial killer was on the loose and killed one person every 12 days for a year?

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A Personal Reason for All of Us

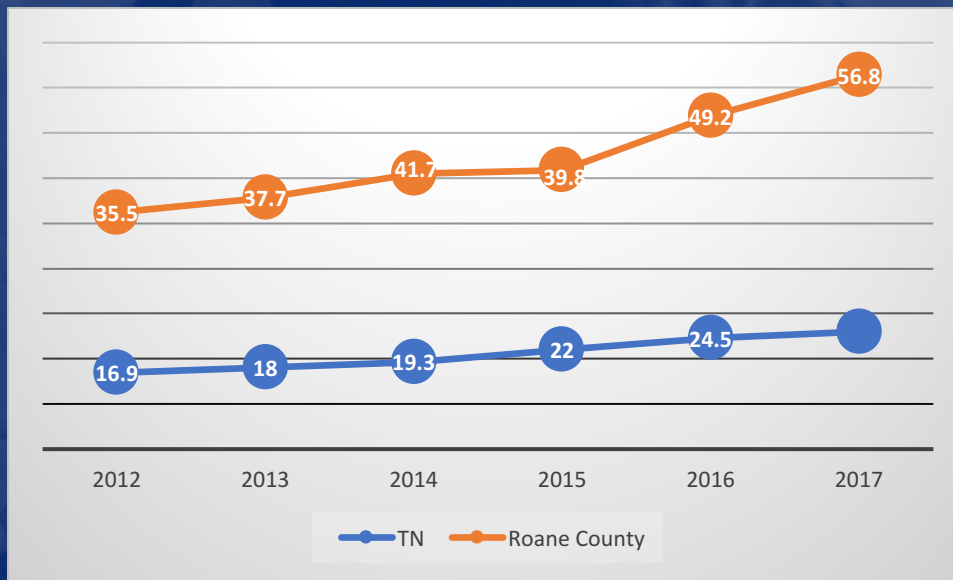


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Drug Overdose Deaths/100,000



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Drug Use

Overdose Deaths

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2017	30
<u>2017</u>	<u>56.8/ 100,000</u>

TN

2016	1,631
<u>2016</u>	<u>24.5/ 100,000</u>

The overdose mortality rate due to drug overdose in Roane County is **MORE THAN DOUBLE** the state average



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What Is at Stake?

- CDC lists Roane County as the 5th highest county in Tennessee for drug overdose death rate, higher than any state average in the country
- The Robert Wood Johnson Foundation ranks Roane County 65th out of 95 counties for Overall Health Outcomes



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What Is at Stake?

Drug Related Crime

Roane County Drug Related Arrests*

2010	2011	2012	2013	2014	2015	2016
307	273	401	461	494	483	540

Total arrests have increased only 4.4%
Drug related arrests have increased 75.9% in 6 years

* Tennessee Bureau of Investigation



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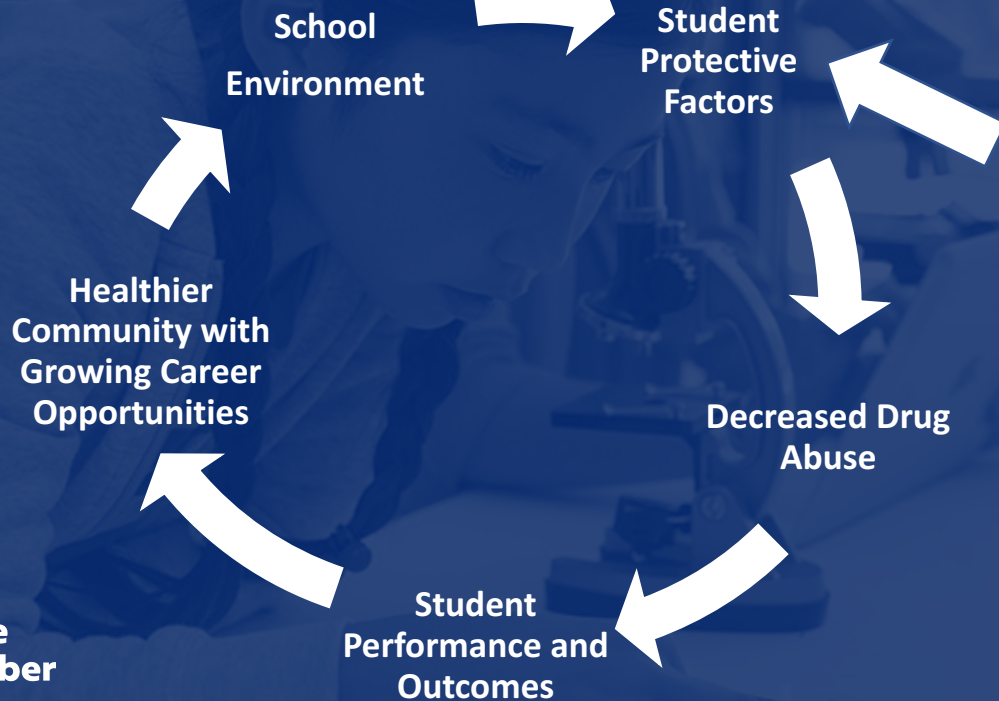


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How Does This Relate to Schools?

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- Opportunities for exploration in work and school
- Mentors
- Support for development
- Safety
- Expectations
- Norms



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How Does This Relate to Schools?

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How Does This Relate to Schools?

Research shows:

“... targeting illicit drug use with an effective treatment or prevention program may be an efficient way to improve educational attainment...public policies that are effective in reducing substance use during high school should have some impact on educational attainment”- Chatterji, 2003, National Bureau of Economic Research

“... increasing cannabis use in late adolescence and early adulthood is associated with...poorer educational outcomes, lower income, greater welfare dependence and unemployment”- Ferguson and Boden, 2008, Addiction, Society for the Study of Addiction



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How Does This Relate to Schools?

Research shows:

“... At the school level, academic failure/low educational attainment was associated with high school student NMUPD (non-medical use of prescription drugs)”- Nargiso et al., 2015, Journal on Studies of Alcohol and Drugs



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We Have to Do Something!



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We Have to Do Something!

Let's change our culture through how we educate our kids



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What Can You Do?



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What Can You Do?

- Learn
- Advocate
- Dispel Misinformation
- Support
- Vote



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What Can You Do?

- Be on guard for and push back against people who tell you why we can't or should not change our culture



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THANKS!

Any questions?

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School Size

“Mega School?”

- A new K-14 school in Roane County would rank 51st in state- 1509 students
- 10 schools larger within a one hour drive



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Facility Efficiencies

5 Schools with inefficient structures

- Reducing to 3 facilities with one state of the art, modern, energy efficient design
- Streamlining of personnel, administration, and purchasing



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Safety

School shootings

- Since 2000, there have been 204 school shootings resulting in 264 deaths and 373 surviving victims
- A new K-14 school could be designed to be the safest school in the country



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Oak Ridge High School



Hardin Valley Academy



Alcoa High School

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Rhea County High School



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Stone Memorial High School

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