

EXHIBIT D1

RESOURCE ALLOCATION- SCHOOL-LEVEL RESOURCES

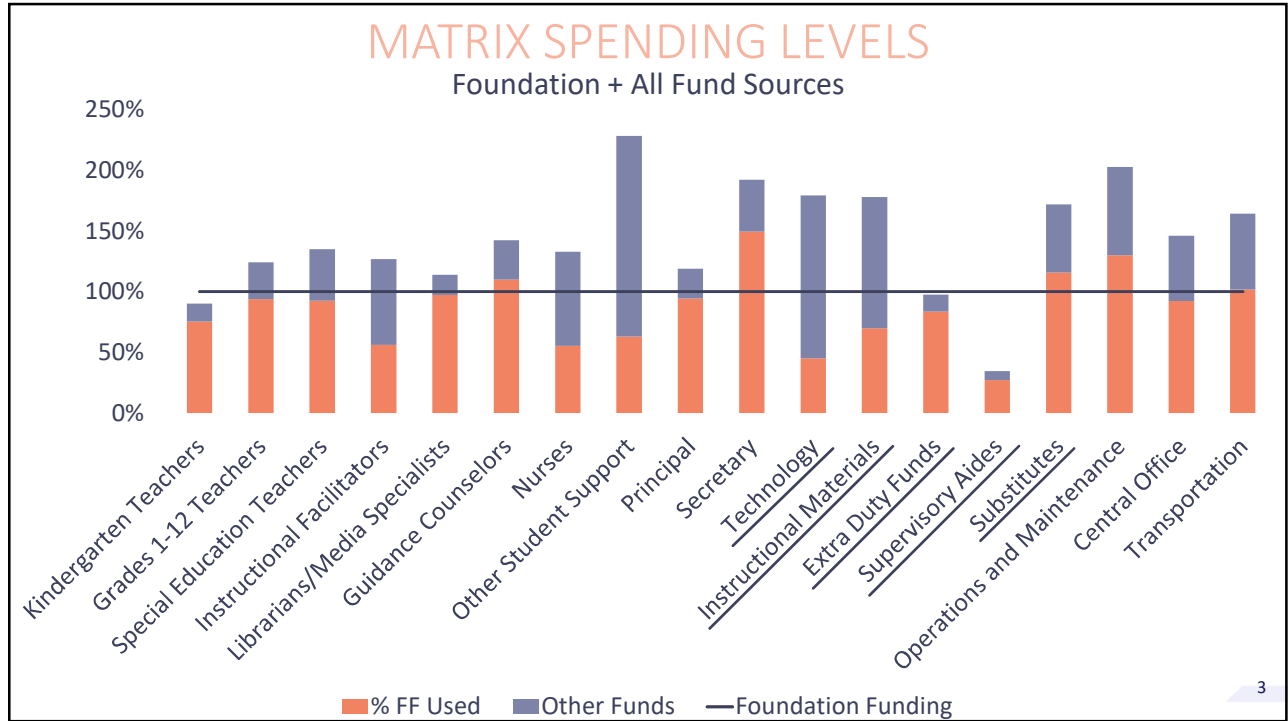
Monday, March 11, 2024



★ ★ 2024 ADEQUACY STUDY ★ ★

MATRIX – SCHOOL-LEVEL RESOURCES

	FY23	FY24	FY25
School-Level Resources			
Technology	250.0	250.0	250.0
2024: Salary Enhancement Other Emp.		44.0	44.0
2024: All Other Personnel Health Ins.		30.4	30.4
Instructional Materials per Student	197.4	201.0	205.4
Extra Duty Funds per Student	69.6	70.9	72.4
Supervisory Aides per Student	52.6	56.8	58.0
Substitutes per Student	75.4	76.8	78.4
Teacher Continuing Ed Pay (5 days)			
School-Level Resources Per Student	645.1	729.9	738.7



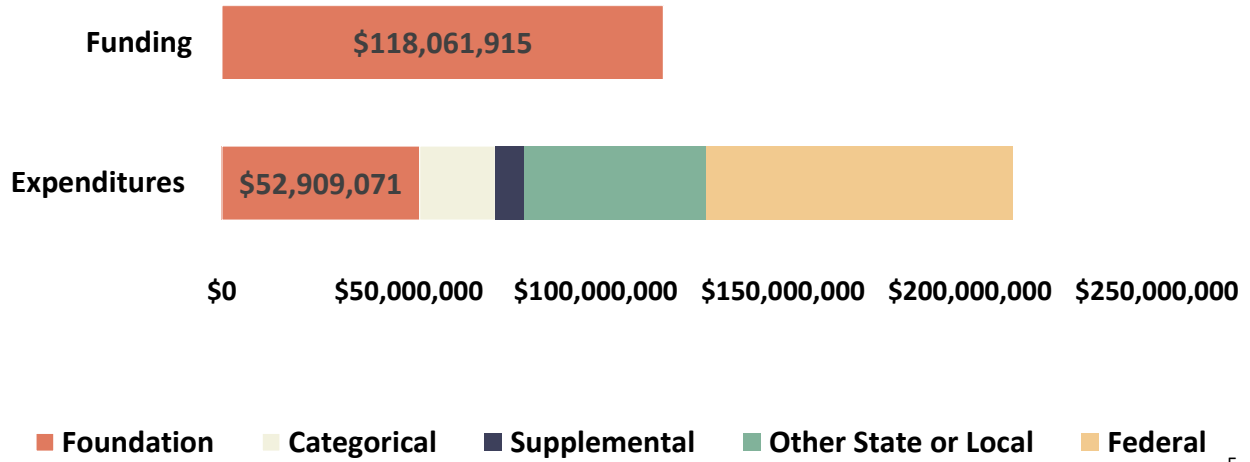
Foundation Funding: Technology

2023 / 2024 / 2025	2023 Funding Amount
\$250 / \$250 / \$250	\$118,061,915

4



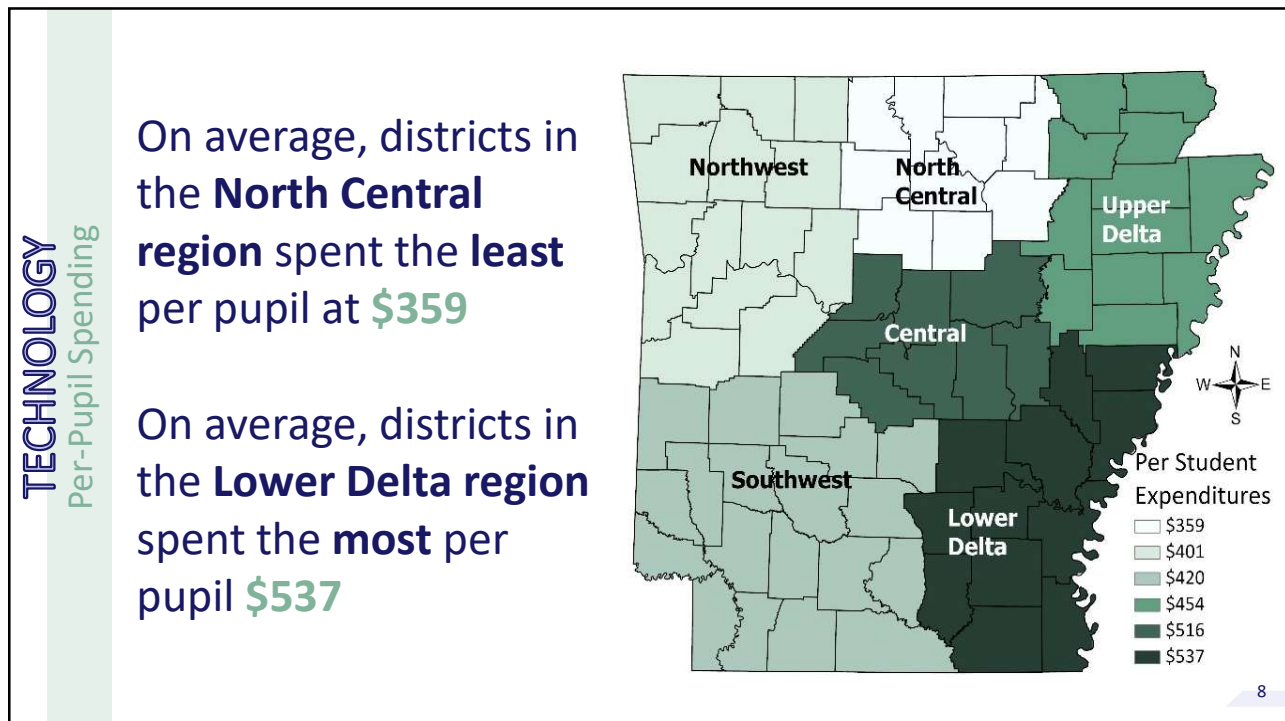
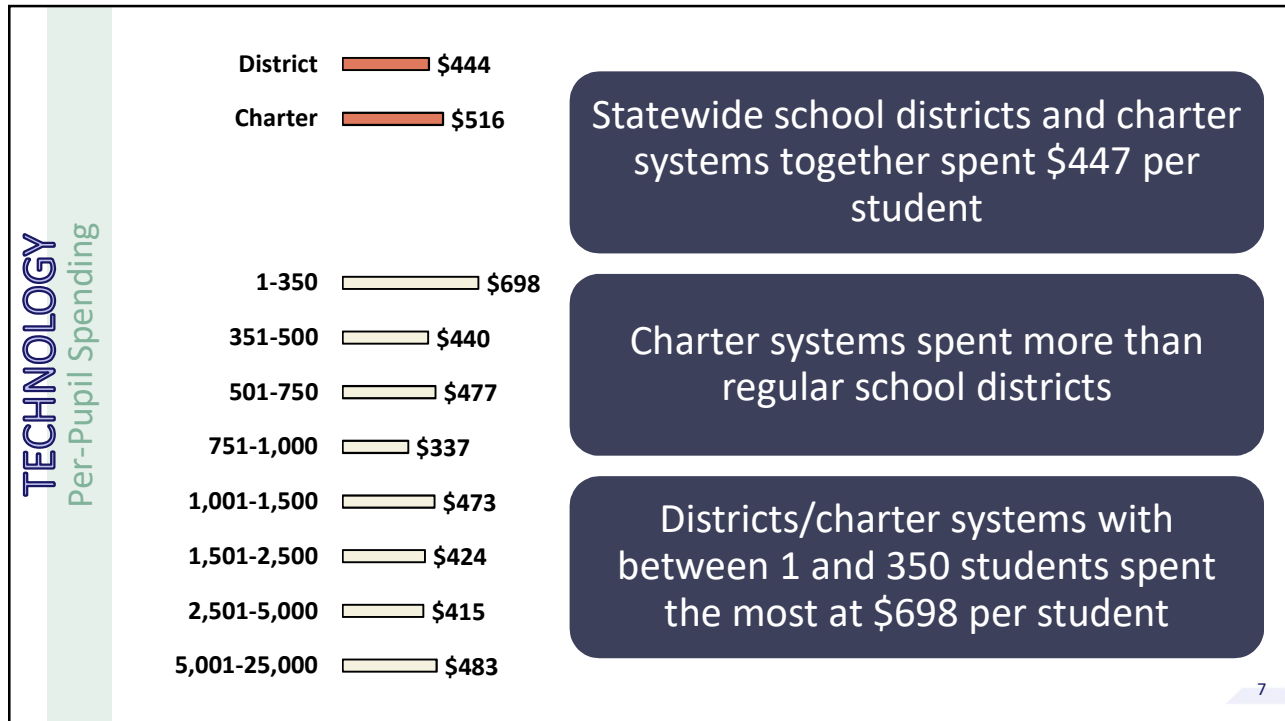
Foundation Funding vs. Spending: Technology



5

TOP TECHNOLOGY CATEGORIES OF EXPENSE		
Category of Expense	Expenditures	% of Total
District Defined (top function code within this category was instruction related technology)	\$34,681,989	16.4%
Technology Related Hardware	\$32,242,601	15.2%
Software	\$30,049,906	14.2%
Tablet computers	\$19,428,439	9.2%
Software Maintenance & Support	\$14,129,958	6.7%
Technology Supplies	\$11,577,686	5.5%
Low Value Equip Tec. Supplies	\$10,454,647	4.9%
Rental of Computers and Related Equipment	\$9,149,019	4.3%
Novell License Renewals	\$8,897,876	4.2%
General Supplies and Materials	\$5,711,927	2.7%
Networking/Internet Services (Cable Satellite etc.)	\$5,307,888	2.5%

6





Research and Best Practices

Odden and Picus' latest research recommended \$250 per student for a 1:3 computer-student ratio.

Odden and Picus recommended \$400 per student to achieve a 1:1 ratio.

9



Arkansas Educators' Feedback

Survey Says:

SUPERINTENDENTS

- **49%** said they had a **moderate** or **extreme** need for more funding for technology, while **16%** cited no need for additional technology dollars.
- The vast majority of superintendents agreed broadband in their schools' districts was sufficient **most** or **all of the time** in meeting instructional and administrative needs
- About **two-thirds** agreed that their community's broadband was sufficient **all or most of the time**.

10



Arkansas Educators' Feedback



SUPERINTENDENTS

- **69%** of their students, on average, were allowed to take home a school-owned computer
- **45%** of their students, on average, already had access to a computer or tablet at home.

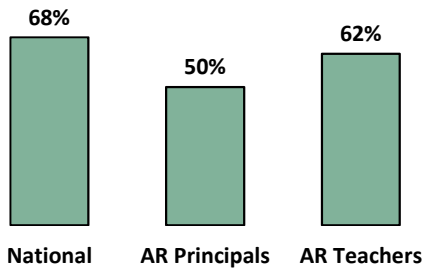


Arkansas Educators' Feedback

PRINCIPALS & TEACHERS

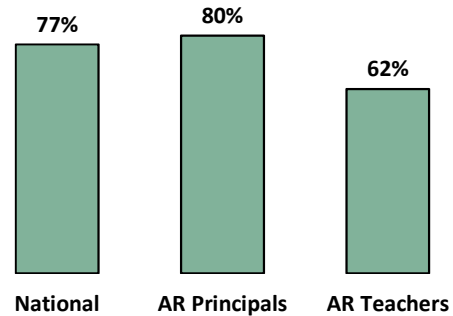
Competing priorities in the classroom adversely affect the use of education technology

% Agree/Strongly Agree



Teachers are sufficiently trained in the mechanics of technology use

% Agree/Strongly Agree



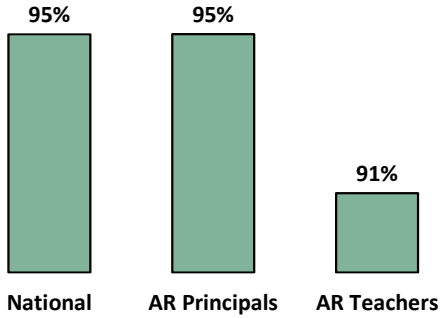


Arkansas Educators' Feedback

PRINCIPALS & TEACHERS

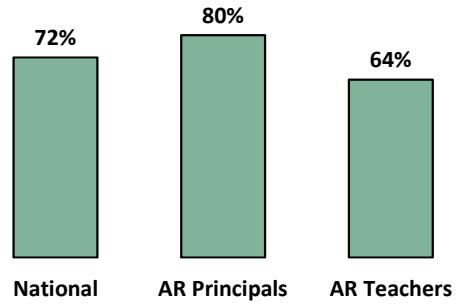
Teachers are interested in using technology in classroom instruction

% Agree/Strongly Agree



Teachers are sufficiently trained to integrate technology into classroom instruction

% Agree/Strongly Agree

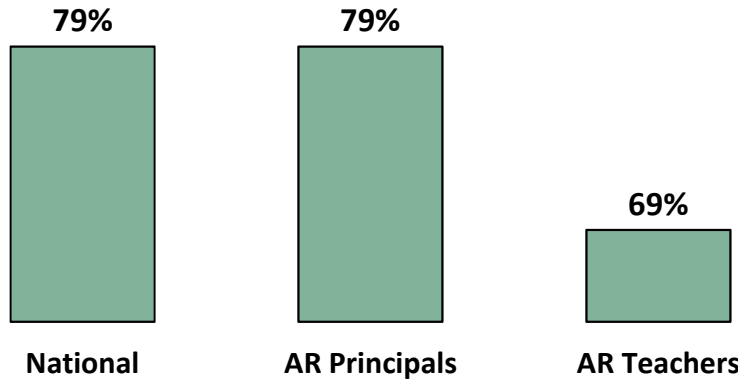


Arkansas Educators' Feedback

PRINCIPALS & TEACHERS

Technical support for educational technology is adequate

% Agree/Strongly Agree





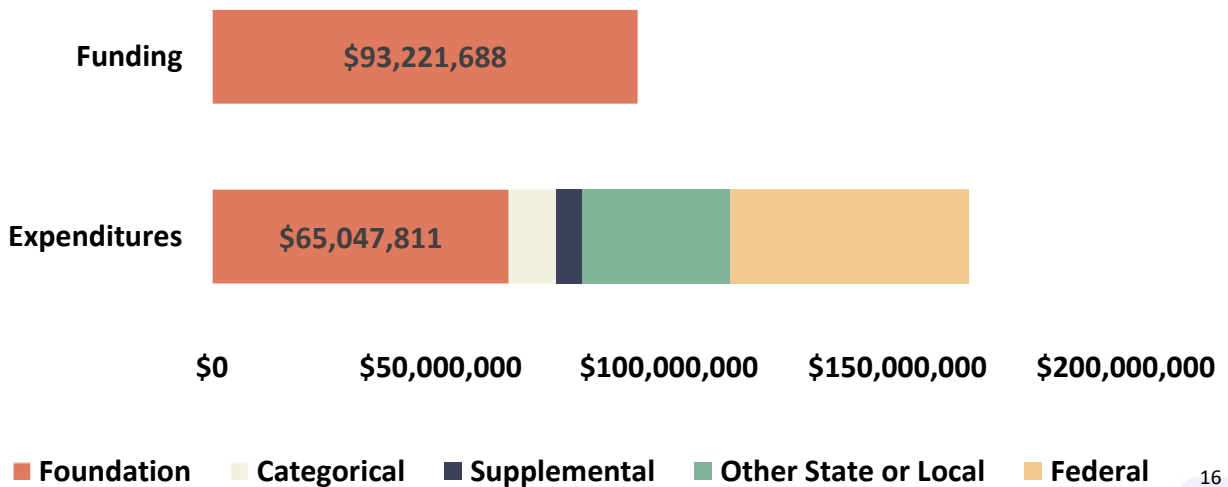
Foundation Funding: **Instructional Materials**

2023 / 2024 / 2025	2023 Funding Amount
\$197 / \$201 / \$205	\$93,221,688

15



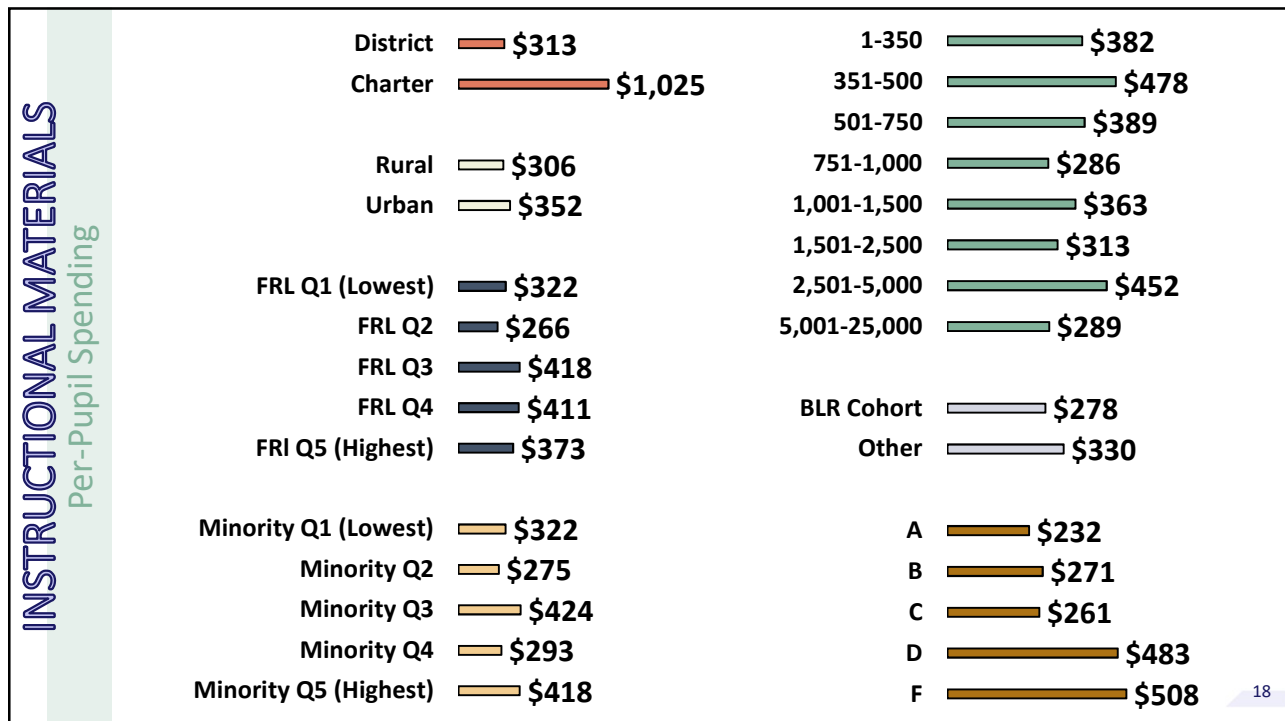
Foundation Funding vs. Spending: **Instructional Materials**



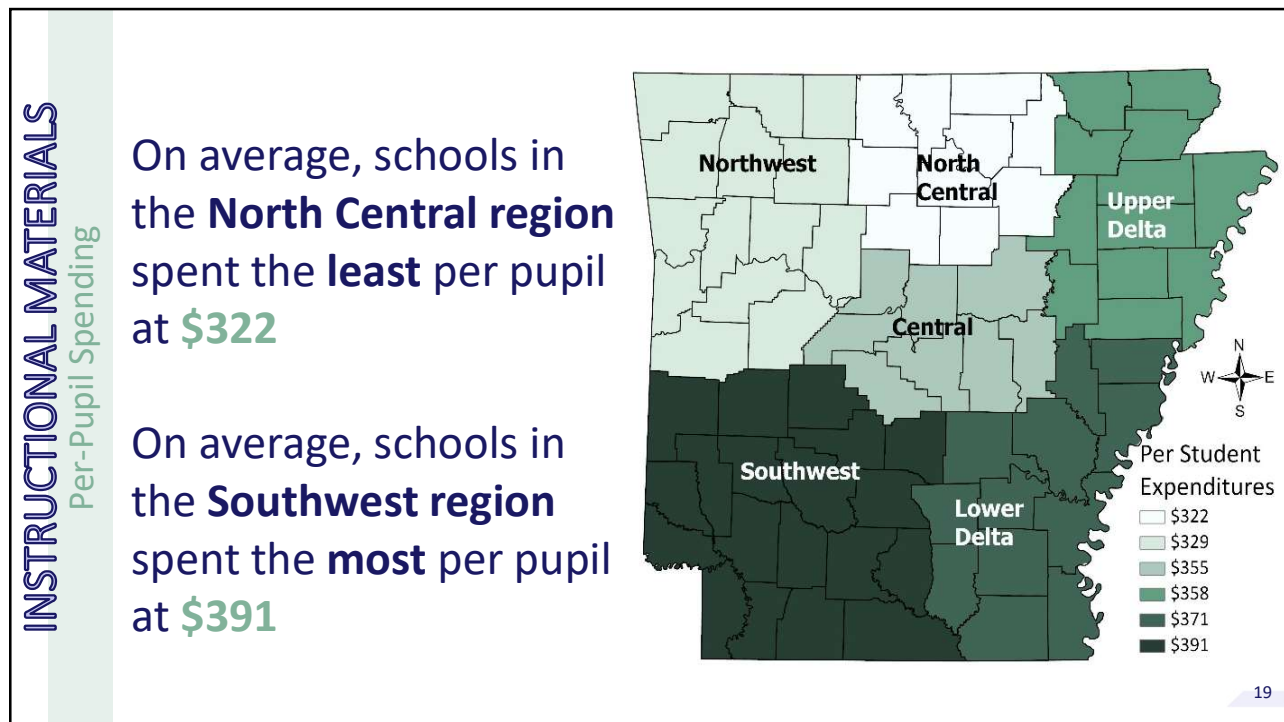
16


Instructional Materials Categories of Expense		
Category of Expense	Expenditures	% of Total
General Supplies and Materials	\$102,723,728	61.97%
Textbooks	\$31,230,435	18.84%
eTextbooks	\$15,182,853	9.16%
Other General Supplies	\$8,947,734	5.40%
Library Books	\$3,736,510	2.25%
Low Value Equip Supplies	\$1,825,661	1.10%
District Defined	\$1,683,118	1.02%
eLibrary Books	\$201,090	0.12%
Periodicals	\$158,389	0.10%
Audiovisual Materials	\$37,481	0.02%
ePublications for Library	\$23,453	0.01%

17



18

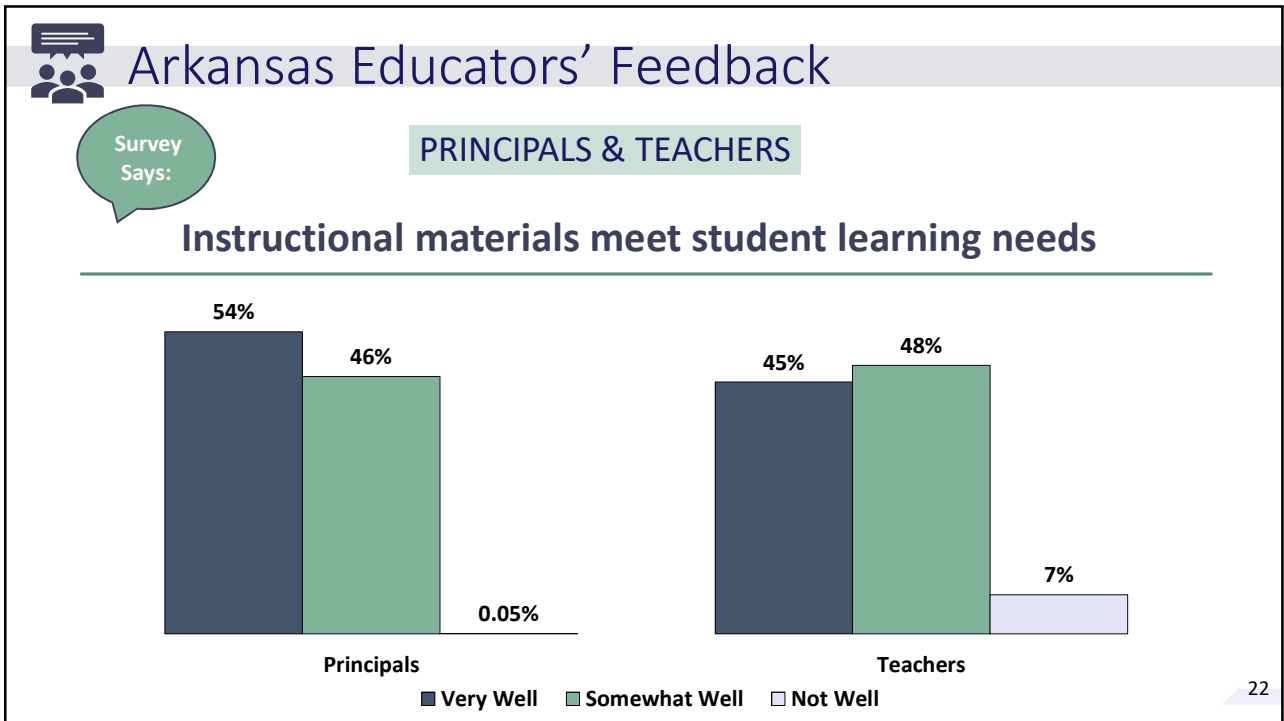
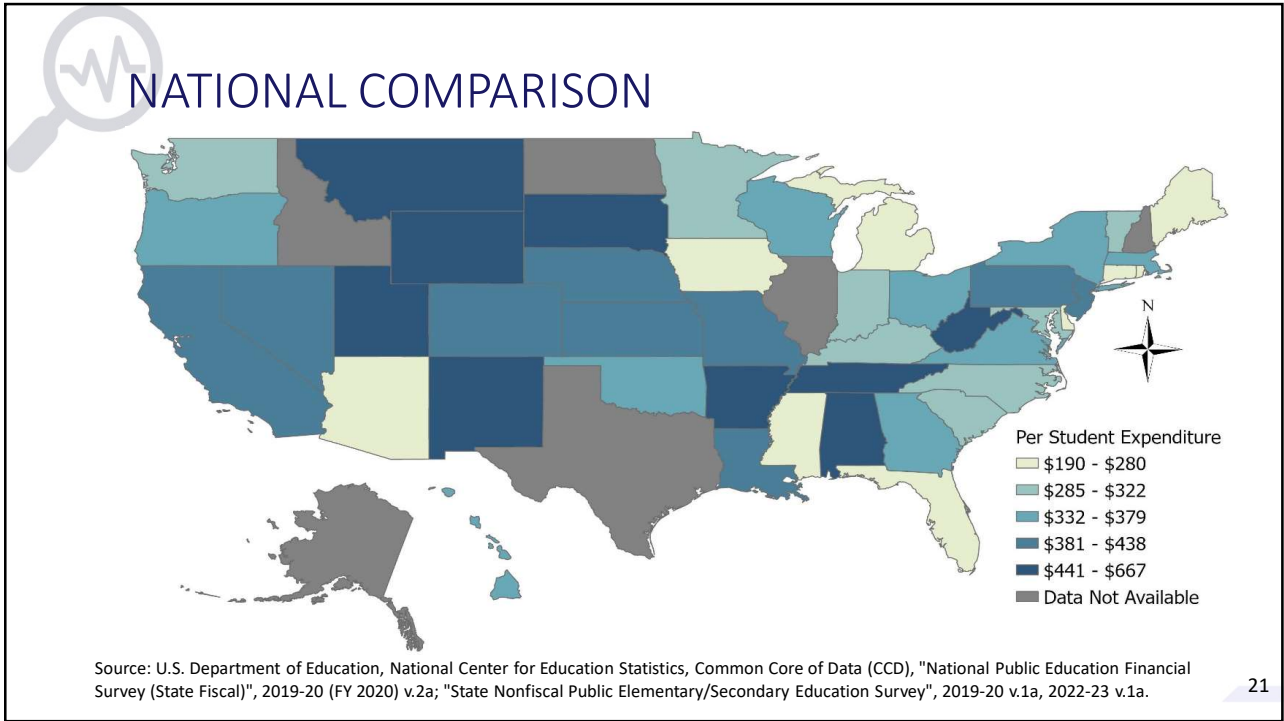


 Research and Best Practices

Odden and Picus recommend \$170 per-student for instructional materials, and \$30 for library materials bringing the total to \$200.

Several studies find that high-quality instructional materials cost about the same as other materials and are therefore an efficient way to boost student achievement without increasing financial commitments.

20

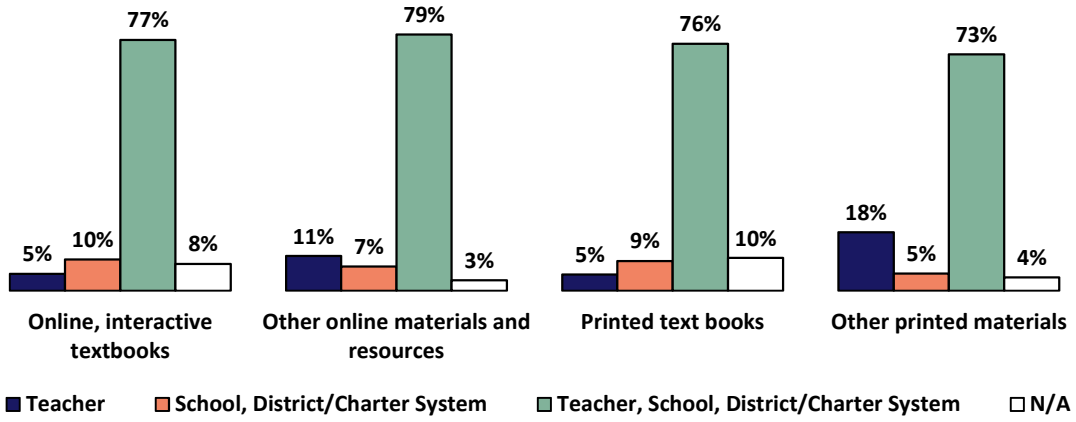




Arkansas Educators' Feedback

PRINCIPALS

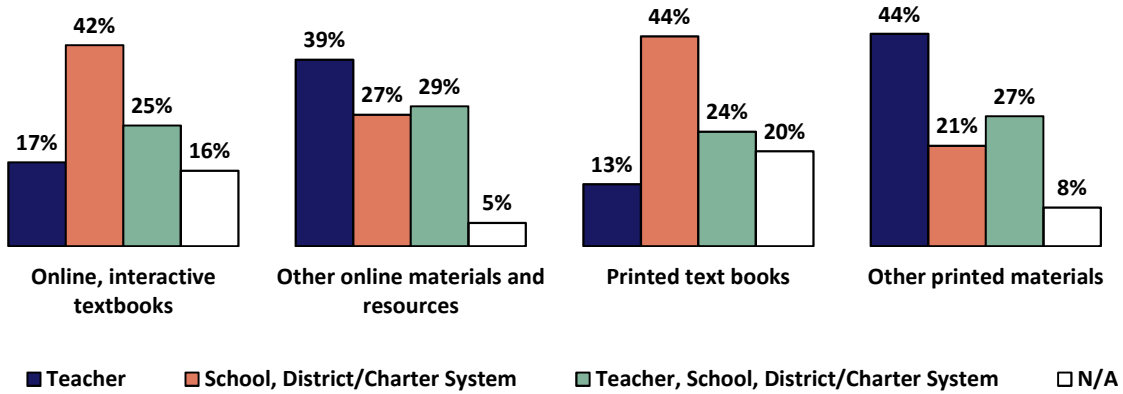
Who picks instructional materials?



Arkansas Educators' Feedback

TEACHERS

Who picks instructional materials?





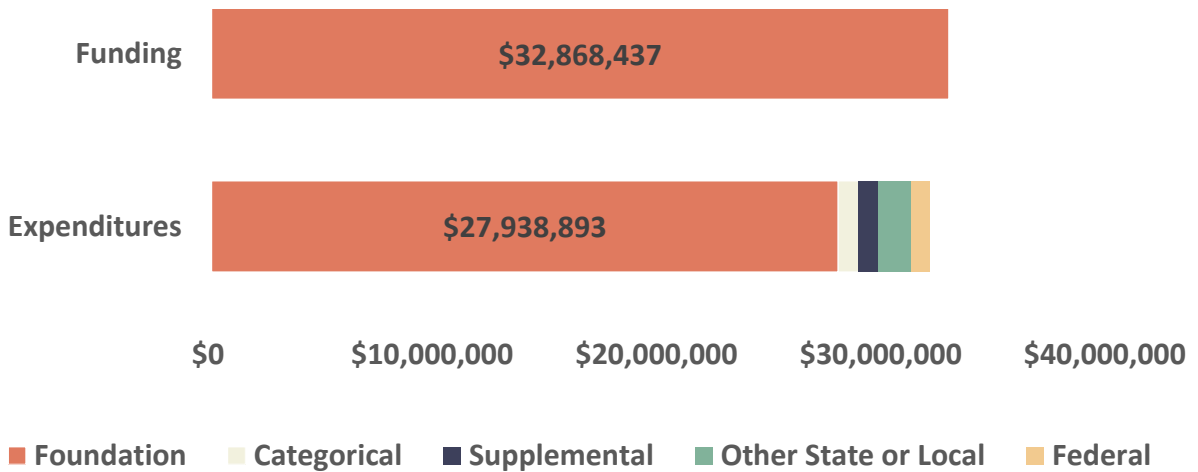
Foundation Funding: Extra Duty Funds

2023 / 2024 / 2025	2023 Funding Amount
\$70 / \$71 / \$72	\$32,868,437

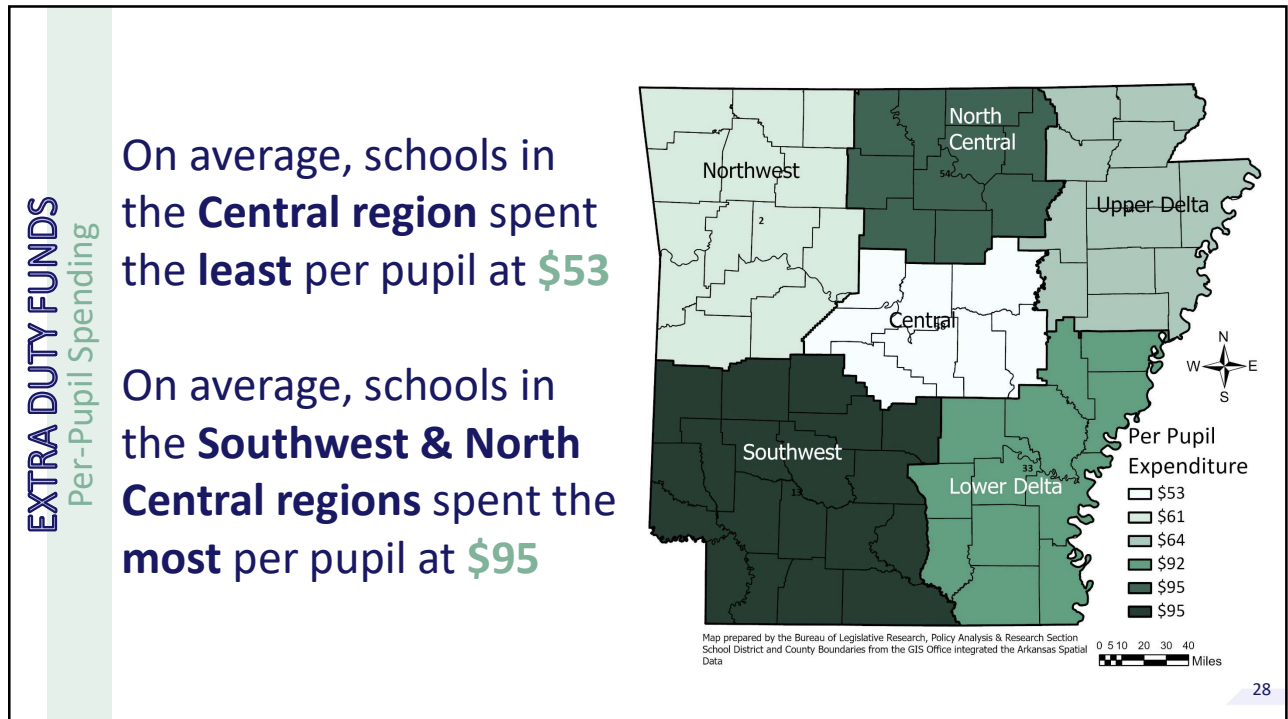
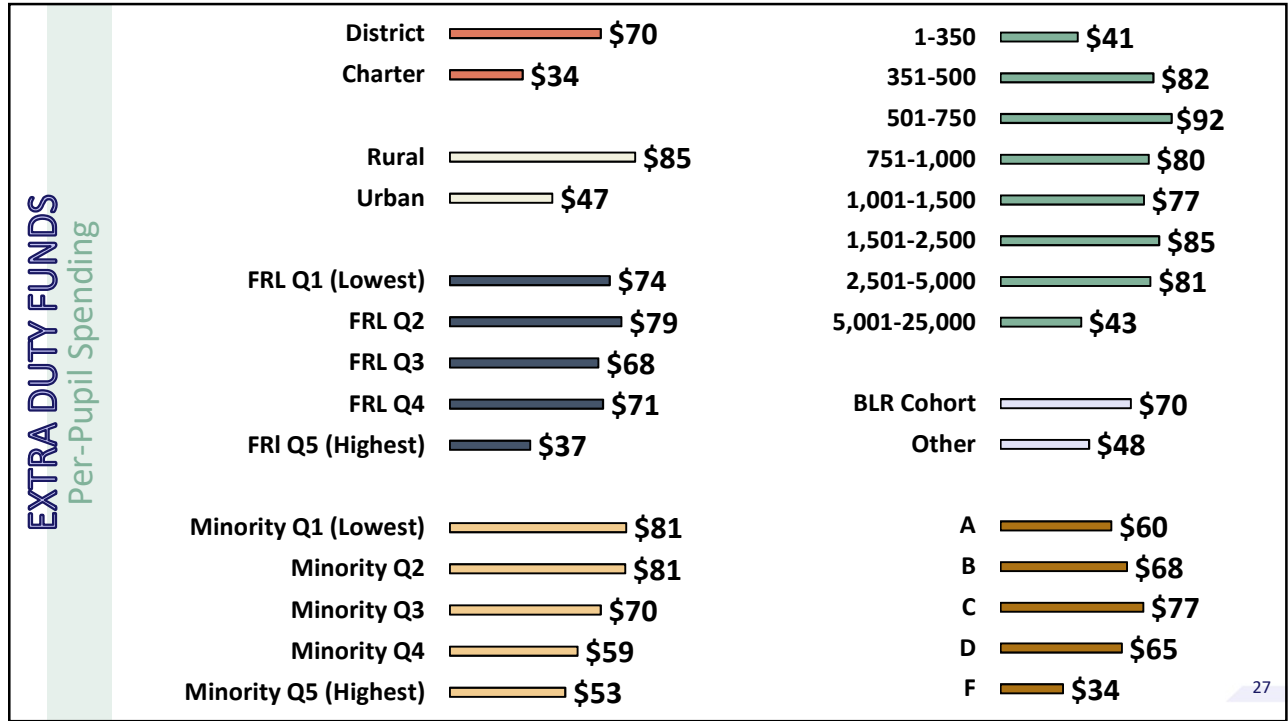
25



Foundation Funding vs. Spending: Extra Duty Funds



26





Research and Best Practices

No common model exists

Other state adequacy studies have not addressed extra duty funds

Benefits to students include better academic performance, reduced rates of dropout, positive school perceptions, and high self-esteem

29



Arkansas Educators' Feedback

Survey Says:

57% of superintendents reported that their districts were in **moderate** or **extreme** need of more funding for extra duty funds.

30



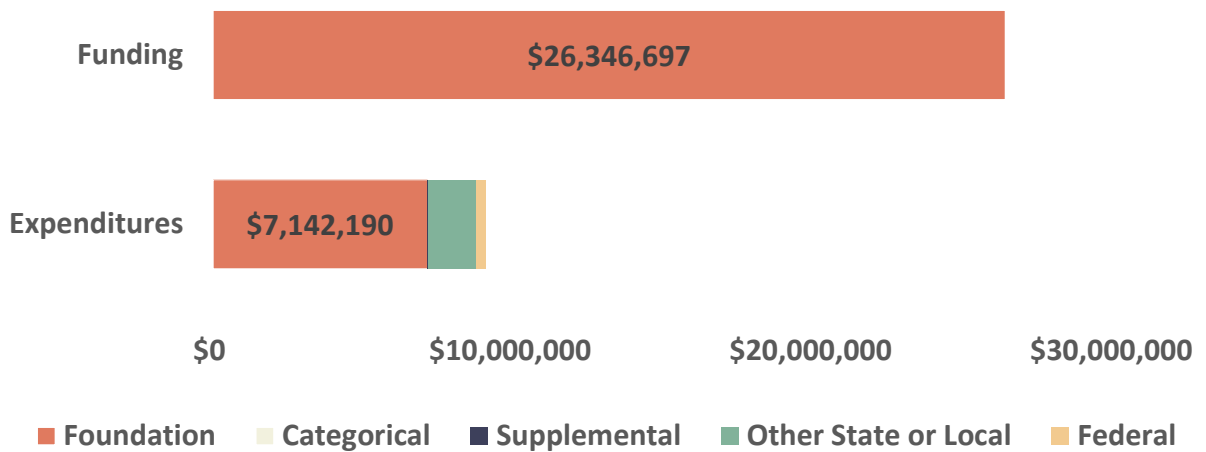
Foundation Funding: **Supervisory Aides**

2023 / 2024 / 2025	2023 Funding Amount
\$53 / \$57 / \$58	\$26,346,697

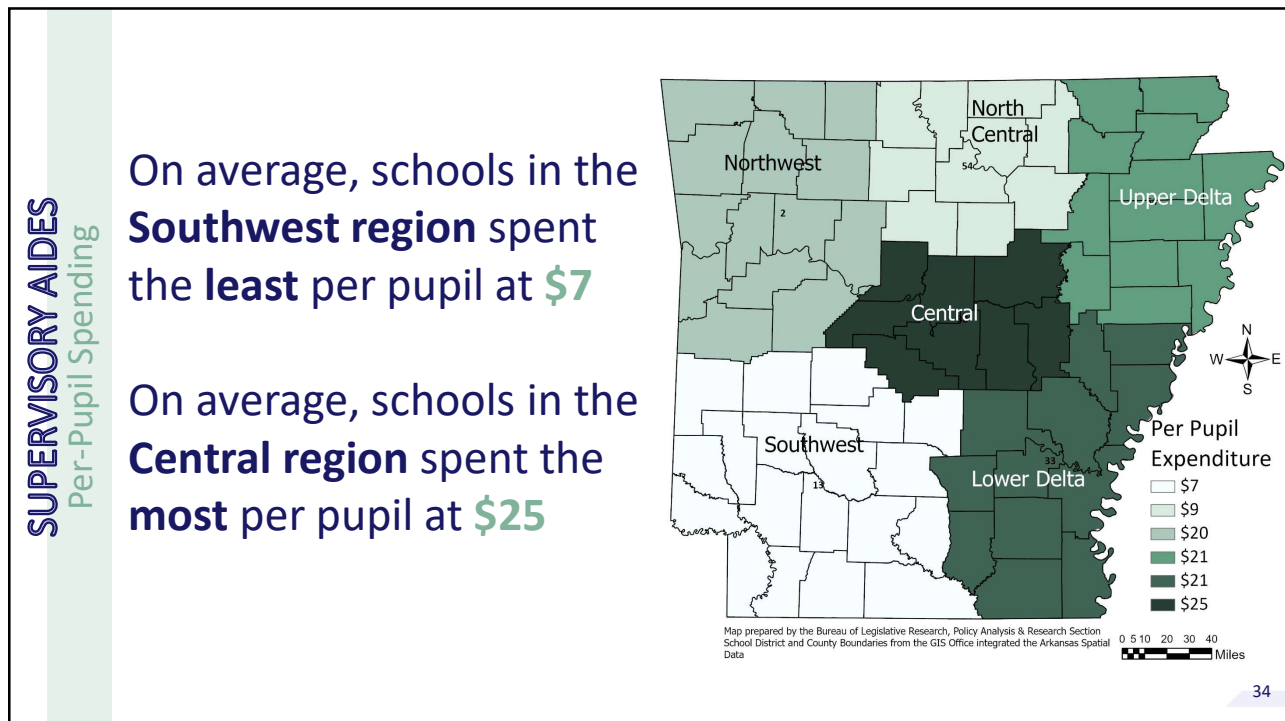
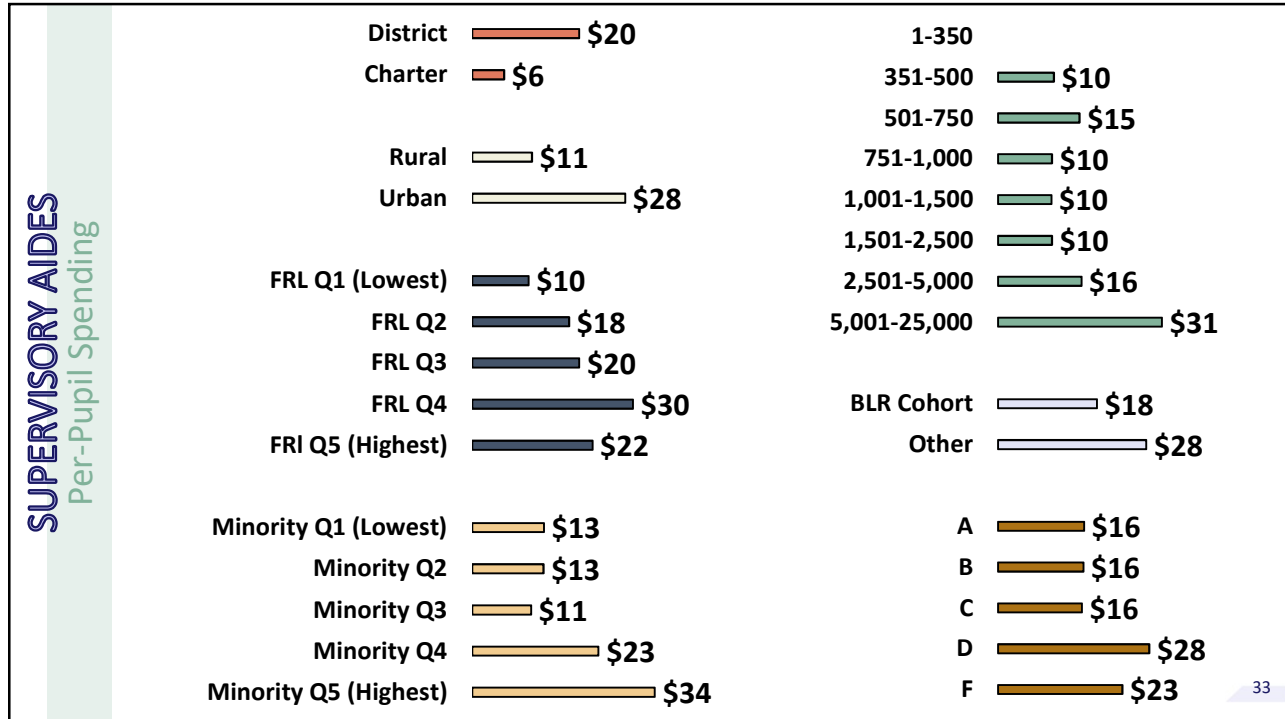
31



Foundation Funding vs. Spending: **Supervisory Aides**



32





Research and Best Practices

Schools need staff for non-instructional responsibilities like lunch duty, hallway monitoring, before and after school playground supervision, and other duties

Supervisory aides in a regular-sized classroom do not show a measurable impact on student achievement

Other state adequacy studies have not addressed supervisory aides

35



Arkansas Educators' Feedback

Survey Says:

53% of superintendents reported that their districts were in **moderate** or **extreme** need of more funding for supervisory aides.

36



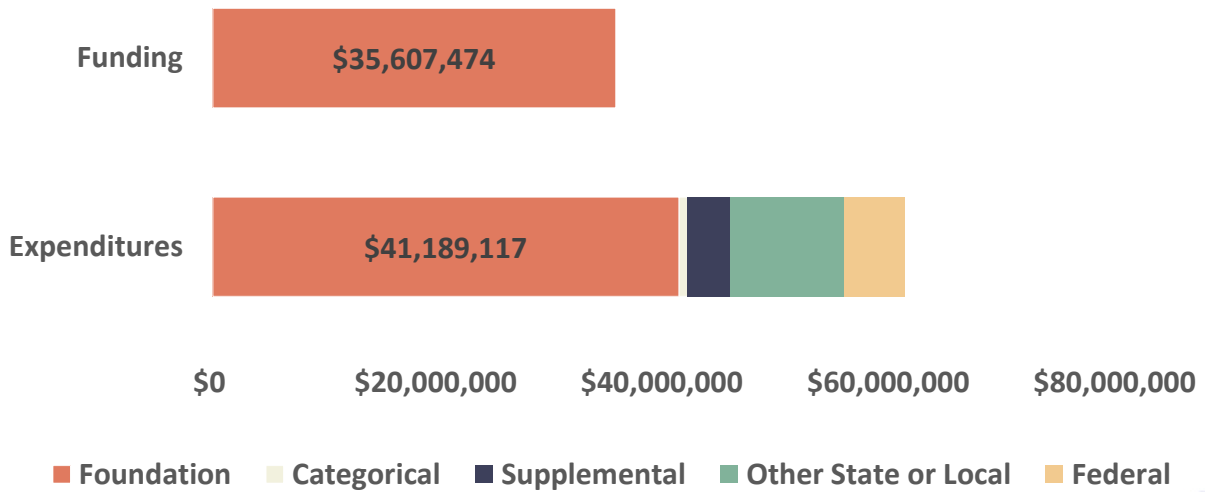
Foundation Funding: **Substitutes**

2023 / 2024 / 2025	2023 Funding Amount
\$75 / \$77 / \$78	\$35,607,474

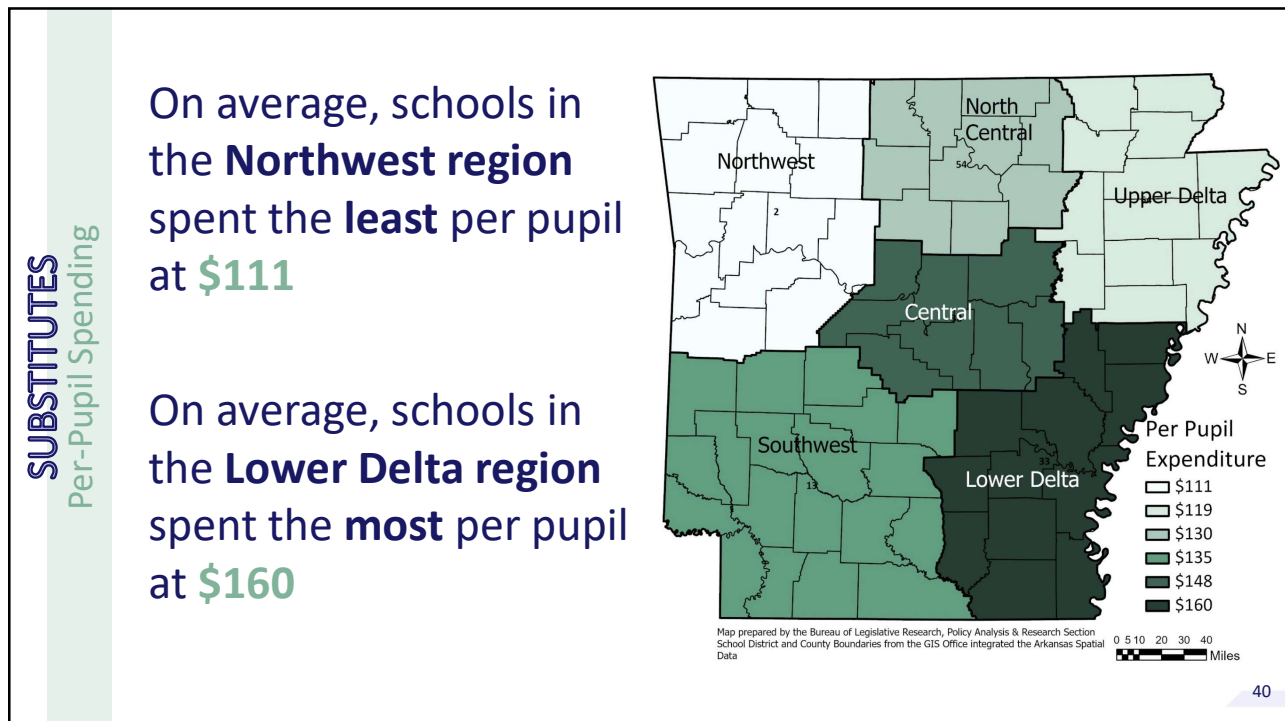
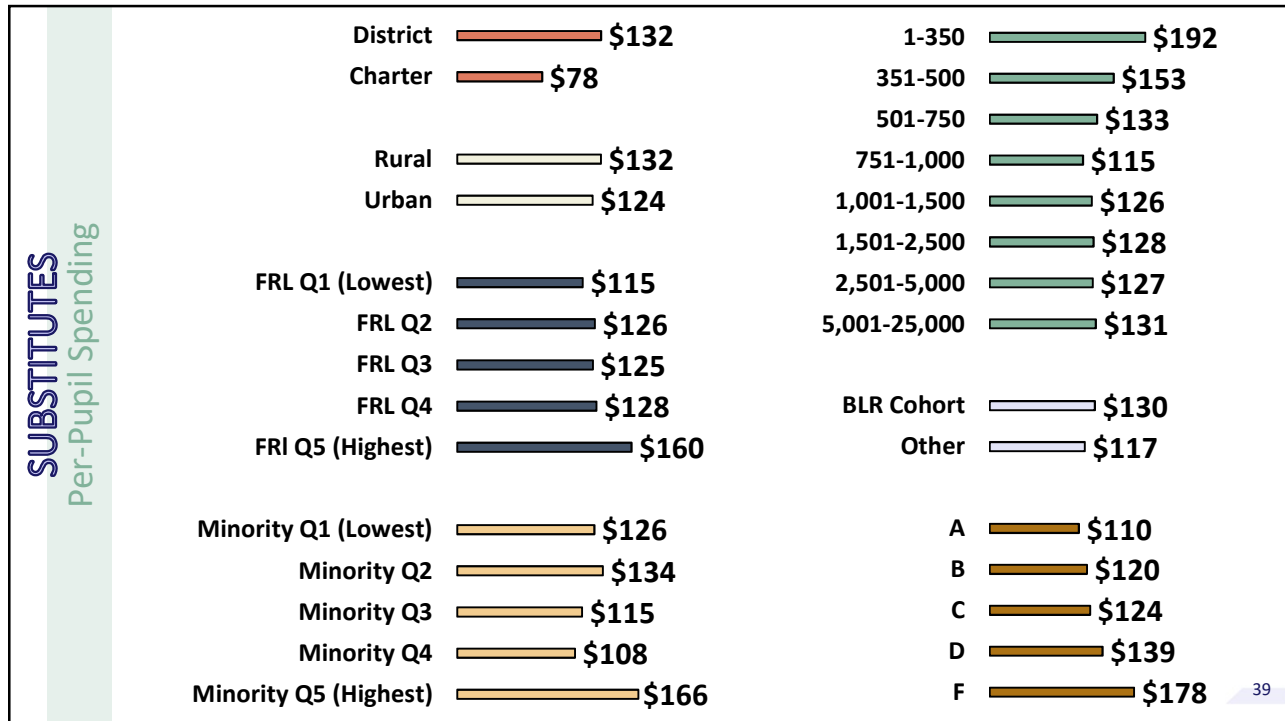
37



Foundation Funding vs. Spending: **Substitutes**



38





Research and Best Practices

Other state adequacy studies have not addressed substitutes

Many states provide funding for 10 days per teacher

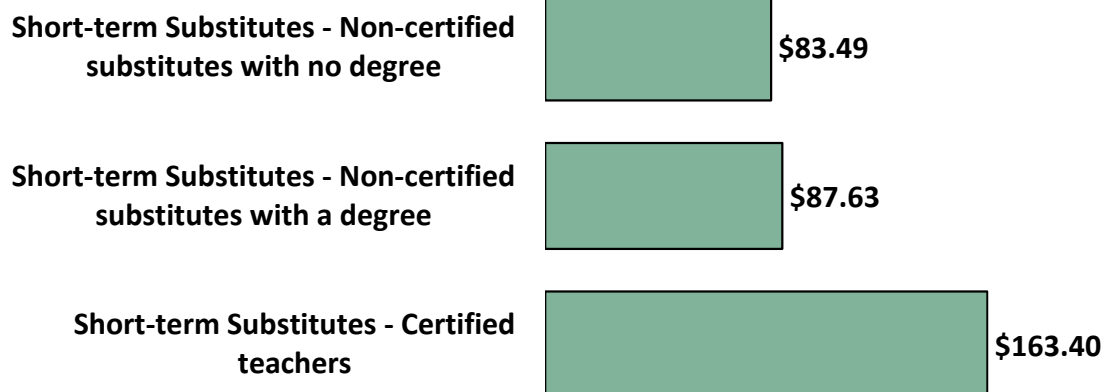
41



Arkansas Educators' Feedback

SUPERINTENDENTS

Average daily rate of pay for short-term substitutes



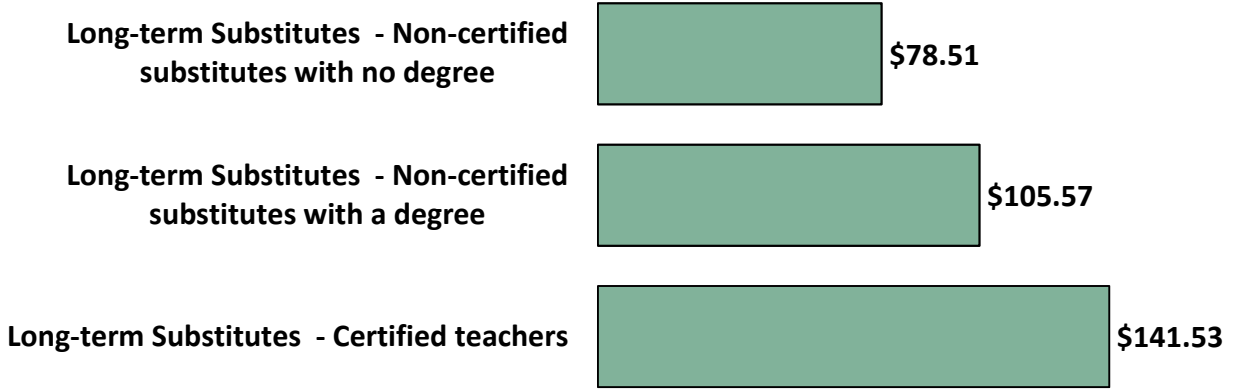
42



Arkansas Educators' Feedback

SUPERINTENDENTS

Average daily rate of pay for long-term substitutes



Arkansas Educators' Feedback



70% of superintendents reported that their districts were in **moderate** or **extreme** need of more funding for substitutes.



NEXT UP

RESOURCE ALLOCATION: DISTRICT-LEVEL RESOURCES