

eDucation in Arkansas  
Technology Assessment  
(eD@T@)

# NEWTON County



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Technology Assessment  
(eD@T@)

## DEER-MT. JUDEA SCHOOL DISTRICT

**District LEA Number**

5106000

**District Address**

P.O. BOX 56  
DEER, AR 72628

**Superintendent Name**

MR. RICHARD D. DENNISTON

**County**

NEWTON

## Network Information

Network	2004	2007/2008	State Avg	National Avg
Number of rooms	NR	69	198	NA
Number of rooms with active connections	NR	69	192	NA
Percent of rooms with active network connections	NR	100%	97%	94%
Most common type of cable to serve network connection		Category 5E or better Unshielded Twisted Pair cable	Category 5E or better Unshielded Twisted Pair cable	NA
Provides wireless for access to the Internet	NA	Yes	82%	45%

District WAN Bandwidth Capacity	2004	2007/2008	State Avg	National Avg
Bandwidth available	NR	6.1 Mbps	6.06 Mbps	97%
Number of buildings supported per Internet connection	NR	13	16	NA
Number of Internet accessible connections	NR	203	411	NA
Number of students supported by Internet accessible connections	NR	380	1,822	NA
Number of school employees supported by Internet accessible connections	NR	93	274	NA

## Applications Information

State and Administration Applications	Yes	NO	Percent of Districts in State Utilizing these Tools	Definition
APSCN Pentatamation	X		97%	Financial and Student management applications
Triand	X		95%	Electronic transcript transfer application
Cognos	X		91%	School data financial reports application
Special Education (SEAS)		X	95%	Web based application for Special Education due process
Locally Provided E-mail System		X	99%	E-mail server such as GroupWise or Exchange
Electronic Grade Books		X	91%	Application for automated grade and/or attendance reporting
Electronic Library Applications	X		95%	Provides electronic tracking of book inventory, most provide for automated checkout of books
Electronic Cafeteria Applications		X	76%	Provides electronic tracking of student Free/Reduced/Regular status and student lunch counts
Electronic Bus Route Applications		X	11%	Provides electronic tracking fo bus routes, student bus assignments and mileage
Voice Over Internet Protocol (VOIP)	X		11%	A technology that allows you to make voice calls using a broadband internet connection instead of a regular (or analog) phone line
Online Learning for Staff	X		78%	Web based professional development

## Hardware / Software Information

Hardware/Software	Division	Ratio	State Avg	National Avg
Student / Computer	Elementary	1.7:1	4.2:1	4.5:1
	Middle/Jr. High	0.9:1	1.7:1	4.0:1
	High School	0.9:1	2.5:1	3.4:1
Student / CIV lab	All	95:1	1,435:1	NA
Student / Interactive White Boards	Elementary	28:1	103:1	NA
	Middle/Jr. High	38:1	37:1	NA
	High School	23:1	59:1	NA
Student / LCD or DLP Projectors	Elementary	42:1	49:1	NA
	Middle/Jr. High	38:1	18:1	NA
	High School	15:1	26:1	NA
Student / Number of Non-Network and/or Non-Windows Devices	Elementary	34:1	72:1	NA
	Middle/Jr. High	25:1	36:1	NA
	High School	27:1	49:1	NA
Student / Number of Hand-held Devices	Elementary	NR	222:1	NA
	Middle/Jr. High	NR	128:1	NA
	High School	NR	188:1	NA
Staff / Number of Hand-held Devices	Elementary	NR	26:1	NA
	Middle/Jr. High	NR	39:1	NA
	High School	NR	31:1	NA
<b>Reported Electronically with Login Script</b>				
Computer / Server	All	71:1	62:1	65:1
Pre-Windows 2000 Workstations / Windows 2000/XP/Vista	All	0:1	0.02:1	0.6:1
<b>Reported Electronically with Scan Application</b>				
Computers / Network Print Services	All	0.034:1	17:1	4:1 - 14:1
<b>Technical Support Details</b>	<b>2004</b>	<b>2007/2008</b>	<b>State Average</b>	<b>National Average</b>
Primary Technical Support	NR	A full-time computer technician within this district shared with other LEAs	A full-time computer technician within this district shared with other LEAs	NA
Primary Instructional Technical Support	NR	NR	A certified staff member within this district shared with other LEAs	NA
Technicians / Students	NA	1:380	1:958	1:550
Instructional Technical Support / Staff	NA	1:93	1:230	1:418 - 1:11,000
Technical Support Staff	NA	1	1.9	NA
Instructional Support Staff	NA	1	1.2	NA

## Classroom Use

<b>Video Conferencing</b>	<b>2004</b>	<b>2007/2008</b>	<b>State Avg</b>	<b>National Avg</b>
Number of video conferencing systems	NA	4	1.3	NA
Percentage of school day that the video equipment is in use	NR	50%	39%	NA
Video conferencing systems used for Elementary Instruction	NR	False	8%	NA
Video conferencing systems used for Middle School / Jr. High Instruction	NR	False	13%	NA
Video conferencing systems used for High School Instruction	NR	True	79%	NA
Video conferencing systems used for Professional development	NR	False	33%	NA
Video conferencing systems used for community access	NR	False	6%	NA

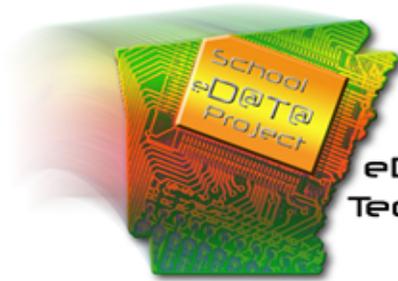
<b>Classroom Technical Devices</b>	<b>Divison</b>	<b>2004</b>	<b>2007/2008</b>	<b>State Avg</b>	<b>National Avg</b>
Number of interactive white boards (such as Smart Boards)	Elementary	NR	6	9.7	24%
	Middle/Jr. High	NR	2	7.6	34%
	High School	NR	6	9.2	41%
Number of LCD or DLP projectors installed	Elementary	NR	4	20.4	NA
	Middle/Jr. High	NR	2	15.3	NA
	High School	NR	9	20.7	NA
Number of non-Internet accessible or non-Windows devices (PCs, Macintosh computers, printers, peripherals)	Elementary	NR	5	13.8	20%
	Middle/Jr. High	NR	3	7.8	
	High School	NR	5	11.1	
Number of hand-held devices for staff (a small hand-held computer like a PDA or an iPod)	Elementary	NA	0	2.2	NA
	Middle/Jr. High	NA	0	1.2	NA
	High School	NA	0	1.8	NA
Number of hand-held devices for students (a small hand-held computer like a PDA or an iPod)	Elementary	NA	0	4.5	NA
	Middle/Jr. High	NA	0	2.2	NA
	High School	NA	0	2.9	NA

## Classroom Use (cont.)

Student Online Learning (e-Learning)	2004	2007/2008	# of Schools Using (out of 1,102)
EAST Lab	NR	False	146
ADE / AETN United Learning / Streaming Video Project	NR	True	818
Web-based classes	NA	True	139
ExploreNet	NR	False	13
AETN IDEAS	NA	True	368
ADEDLC - Arkansas Department of Education's Distance Learning System	NA	True	148
DCDL - Dawson Center for Distance Learning	NA	False	36
Compressed Interactive Video (CIV)	NA	True	201
Cisco Academy	NA	False	12
Oracle Academy	NA	False	6
ASMSA Office of Distance Learning	NA	False	67
NORMES	NR	NA	NA
Virtual High School (AVHS)	NR	False	93
Traveler Online Database Project	NA	True	250

Computer Home Access Programs	YES	NO	Percent of Districts in State Utilizing a Home Access Program
Provide a loan out program		X	6.35 %
Provide a purchase Program		X	1.98 %

e-Learning or Distance Education & Video Streaming	2007/2008	State Average	National Average
e-Learning or Distance Education Statistics	1.17%	29%	21%
Video Streaming Statistics	1.56%	79%	33%



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## JASPER SCHOOL DISTRICT

**District LEA Number**

5102000

**District Address**

P O BOX 446

JASPER, AR 72641

**Superintendent Name**

MR. CHARLES ARCHER

**County**

NEWTON

## Network Information

Network	2004	2007/2008	State Avg	National Avg
Number of rooms	44	106	198	NA
Number of rooms with active connections	44	106	192	NA
Percent of rooms with active network connections	100%	100%	97%	94%
Most common type of cable to serve network connection	Category 5E or better 3 Unshielded Twisted Pair	Category 5E or better Unshielded Twisted Pair cable	Category 5E or better Unshielded Twisted Pair cable	NA
Provides wireless for access to the Internet	NA	Yes	82%	45%

District WAN Bandwidth Capacity	2004	2007/2008	State Avg	National Avg
Bandwidth available	0 Mbps	12.3 Mbps	6.06 Mbps	97%
Number of buildings supported per Internet connection	18	23	16	NA
Number of Internet accessible connections	294	308	411	NA
Number of students supported by Internet accessible connections	509	874	1,822	NA
Number of school employees supported by Internet accessible connections	60	159	274	NA

## Applications Information

State and Administration Applications	Yes	NO	Percent of Districts in State Utilizing these Tools	Definition
APSCN Pentatamation	X		97%	Financial and Student management applications
Triand	X		95%	Electronic transcript transfer application
Cognos	X		91%	School data financial reports application
Special Education (SEAS)	X		95%	Web based application for Special Education due process
Locally Provided E-mail System	X		99%	E-mail server such as GroupWise or Exchange
Electronic Grade Books	X		91%	Application for automated grade and/or attendance reporting
Electronic Library Applications	X		95%	Provides electronic tracking of book inventory, most provide for automated checkout of books
Electronic Cafeteria Applications	X		76%	Provides electronic tracking of student Free/Reduced/Regular status and student lunch counts
Electronic Bus Route Applications		X	11%	Provides electronic tracking fo bus routes, student bus assignments and mileage
Voice Over Internet Protocol (VOIP)	X		11%	A technology that allows you to make voice calls using a broadband internet connection instead of a regular (or analog) phone line
Online Learning for Staff	X		78%	Web based professional development

## Hardware / Software Information

Hardware/Software	Division	Ratio	State Avg	National Avg
Student / Computer	Elementary	40:1	4.2:1	4.5:1
	Middle/Jr. High	29.9:1	1.7:1	4.0:1
	High School	37.9:1	2.5:1	3.4:1
Student / CIV lab	All	146:1	1,435:1	NA
Student / Interactive White Boards	Elementary	400:1	103:1	NA
	Middle/Jr. High	52:1	37:1	NA
	High School	88:1	59:1	NA
Student / LCD or DLP Projectors	Elementary	133:1	49:1	NA
	Middle/Jr. High	42:1	18:1	NA
	High School	53:1	26:1	NA
Student / Number of Non-Network and/or Non-Windows Devices	Elementary	NR	72:1	NA
	Middle/Jr. High	NR	36:1	NA
	High School	NR	49:1	NA
Student / Number of Hand-held Devices	Elementary	NR	222:1	NA
	Middle/Jr. High	NR	128:1	NA
	High School	NR	188:1	NA
Staff / Number of Hand-held Devices	Elementary	12:1	26:1	NA
	Middle/Jr. High	32:1	39:1	NA
	High School	29:1	31:1	NA
<b>Reported Electronically with Login Script</b>				
Computer / Server	All	40:1	62:1	65:1
Pre-Windows 2000 Workstations / Windows 2000/XP/Vista	All	0:1	0.02:1	0.6:1
<b>Reported Electronically with Scan Application</b>				
Computers / Network Print Services	All	0.052:1	17:1	4:1 - 14:1
<b>Technical Support Details</b>	<b>2004</b>	<b>2007/2008</b>	<b>State Average</b>	<b>National Average</b>
Primary Technical Support	A teacher or other instructional staff member as part of instructional job responsibilities	A teacher or other instructional staff member as part of his or her instructional job responsibilities	A full-time computer technician within this district shared with other LEAs	NA
Primary Instructional Technical Support	A certified staff member in this district is shared with other LEAs	A certified staff member within this district shared with other LEAs	A certified staff member within this district shared with other LEAs	NA
Technicians / Students	NA	1:874	1:958	1:550
Instructional Technical Support / Staff	NA	1:159	1:230	1:418 - 1:11,000
Technical Support Staff	NA	1	1.9	NA

NR=Not Reported, NA=Not Available, State Averages based on # of districts reported, National Average is from 2005  
September 19, 2008

Instructional Support Staff	NA	1	1.2	NA
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## Classroom Use

Video Conferencing	2004	2007/2008	State Avg	National Avg
Number of video conferencing systems	NA	6	1.3	NA
Percentage of school day that the video equipment is in use	50%	100%	39%	NA
Video conferencing systems used for Elementary Instruction	False	False	8%	NA
Video conferencing systems used for Middle School / Jr. High Instruction	False	False	13%	NA
Video conferencing systems used for High School Instruction	True	True	79%	NA
Video conferencing systems used for Professional development	False	True	33%	NA
Video conferencing systems used for community access	False	False	6%	NA

Classroom Technical Devices	Divison	2004	2007/2008	State Avg	National Avg
Number of interactive white boards (such as Smart Boards)	Elementary	0	1	9.7	24%
	Middle/Jr. High	NR	4	7.6	34%
	High School	1	3	9.2	41%
Number of LCD or DLP projectors installed	Elementary	1	3	20.4	NA
	Middle/Jr. High	NR	5	15.3	NA
	High School	4	5	20.7	NA
Number of non-Internet accessible or non-Windows devices (PCs, Macintosh computers, printers, peripherals)	Elementary	18	0	13.8	20%
	Middle/Jr. High	NR	0	7.8	
	High School	19	0	11.1	
Number of hand-held devices for staff (a small hand-held computer like a PDA or an iPod)	Elementary	NA	3	2.2	NA
	Middle/Jr. High	NA	2	1.2	NA
	High School	NA	2	1.8	NA
Number of hand-held devices for students (a small hand-held computer like a PDA or an iPod)	Elementary	NA	0	4.5	NA
	Middle/Jr. High	NA	0	2.2	NA
	High School	NA	0	2.9	NA

## Classroom Use (cont.)

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Video Streaming Statistics	2.34%	79%	33%