



eDucation In Arkansas  
Technology Assessment  
(eD@T@)

## MARVELL SCHOOL DISTRICT

**District LEA Number**

5404000

**District Address**

P.O. BOX 1870

MARVELL, AR 72366

**Superintendent Name**

MR. ULICIOUS A. REED

**County**

PHILLIPS

## Network Information

Network	2004	2007/2008	State Avg	National Avg
Number of rooms	1	70	198	NA
Number of rooms with active connections	30	70	192	NA
Percent of rooms with active network connections	3000%	100%	97%	94%
Most common type of cable to serve network connection	Category 5 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	1.5 Mbps	4.6 Mbps	6.06 Mbps	97%
Number of buildings supported per Internet connection	6	10	16	NA
Number of Internet accessible connections	149	84	411	NA
Number of students supported by Internet accessible connections	260	670	1,822	NA
Number of school employees supported by Internet accessible connections	29	83	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	2.1:1	4.2:1	4.5:1
	Middle/Jr. High	NR	1.7:1	4.0:1
	High School	0.9:1	2.5:1	3.4:1
Student / CIV lab	All	223:1	1,435:1	NA
Student / Interactive White Boards	Elementary	114:1	103:1	NA
	Middle/Jr. High	NR	37:1	NA
	High School	49:1	59:1	NA
Student / LCD or DLP Projectors	Elementary	NR	49:1	NA
	Middle/Jr. High	NR	18:1	NA
	High School	197:1	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	NR	26:1	NA
	Middle/Jr. High	NR	39:1	NA
	High School	NR	31:1	NA
Reported Electronically with Login Script				
Computer / Server	All	80:1	62:1	65:1
Pre-Windows 2000 Workstations / Windows 2000/XP/Vista	All	0.091:1	0.02:1	0.6:1
Reported Electronically with Scan Application				
Computers / Network Print Services	All	0.014:1	17:1	4:1 - 14:1
Technical Support Details	2004	2007/2008	State Average	National Average
Primary Technical Support	A full-time computer technician in this district is shared with other LEAs	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	A classified staff member in this district is shared with other LEAs	A classified staff member within this district shared with other LEAs	A certified staff member within this district shared with other LEAs	NA
Technicians / Students	NA	1:670	1:958	1:550
Instructional Technical Support / Staff	NA	NA	1:230	1:418 - 1:11,000
Technical Support Staff	NA	1	1.9	NA
Instructional Support Staff	NA	0	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	3	1.3	NA
Percentage of school day that the video equipment is in use	50%	25%	39%	NA
Video conferencing systems used for Elementary Instruction	False	True	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

<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	0	3	9.7	24%
	Middle/Jr. High	NR	0	7.6	34%
	High School	1	4	9.2	41%
Number of LCD or DLP projectors installed	Elementary	0	0	20.4	NA
	Middle/Jr. High	NR	0	15.3	NA
	High School	2	1	20.7	NA
Number of non-Internet accessible or non-Windows devices (PCs, Macintosh computers, printers, peripherals)	Elementary	0	0	13.8	20%
	Middle/Jr. High	NR	0	7.8	
	High School	41	0	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	False	True	146
ADE / AETN United Learning / Streaming Video Project	False	True	818
Web-based classes	NA	True	139
ExploreNet	False	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	False	NA	NA
Virtual High School (AVHS)	False	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	1.17%	79%	33%