# **ACTAAP**

Arkansas Comprehensive Testing, Assessment, and Accountability Program

# **Report Interpretation Guide**

# **Biology** End-of-Course Examination

# January 2008 and April 2008 Administrations

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**Arkansas Department of Education** 

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# INTRODUCTION AND OVERVIEW OF THE 2008 ACTAAP Biology End-of-Course Examination

# INTRODUCTION

The purpose of this *Report Interpretation Guide* is to provide district and school personnel with information on how to interpret and use reports related to the January 2008 and April 2008 administrations of the *Biology End-of-Course Examination*. This *Report Interpretation Guide* provides general information about the components of the *Biology End-of-Course Examination*, describes the purpose of the program, and provides answers to commonly asked questions regarding the program. This guide contains report samples that illustrate student-, school-, and district-level information and gives detailed explanations of the report content. This guide also provides an overview of the performance levels associated with the *Biology End-of-Course Examination*. School and district staff can use the results listed as one measure of student ability in the development of educational improvement plans to enhance student performance in the future.

**Note:** Students with less than one year in a U.S. school whose answer documents had the "LEP student less than one year in the U.S." bubble filled in will receive individual student reports and will be included on the roster reports but will not be included in any class or school averages or in summary data.

# **OVERVIEW OF THE ACTAAP**

The Arkansas Comprehensive Testing, Assessment, and Accountability Program (ACTAAP) is authorized under Arkansas Legislative Act 35 to promote the development of the Arkansas *Biology Science Curriculum Framework* as well as the development and use of assessment in accordance with the statewide educational goals. The ACTAAP includes ongoing norm-referenced testing. The ACTAAP also includes criterion-referenced tests specifically developed to measure thinking skills and problem-solving strategies associated with real-life performance expectations for school or work.

The *Biology End-of-Course Examination* is a criterion-referenced test that became operational in the 2007–2008 school year. All test questions on the *Biology End-of-Course Examination* align with the strands and subject-specific competencies described by the Arkansas *Biology Science Curriculum Framework*. As such, student performance on the *Biology End-of-Course Examination* is directly aligned with the statewide frameworks and statewide curriculum goals.

The goals for the ACTAAP are to

- improve classroom instruction and learning;
- support public accountability;
- provide program evaluation data;
- assist policy makers in decision-making.

As the ACTAAP continues to evolve, it will offer

- performance assessment of the core concepts, thinking skills, and problem-solving skills defined by the Arkansas Curriculum Frameworks;
- a variety of testing models, including portfolio assessment and performance tasks, which should encourage greater teacher involvement in the assessment process.

# QUESTIONS AND ANSWERS ABOUT THE 2008 BIOLOGY END-OF-COURSE EXAMINATION

# FREQUENTLY ASKED QUESTIONS

The following are commonly asked questions regarding the *Biology End-of-Course Examination* and associated answers to these questions. This list of questions has been compiled based on feedback from district staff (e.g., teachers, school and district test coordinators, principals, superintendents). This list is not exhaustive, but the questions listed have been selected due to the number of times they have been asked by a broad cross-section of the Arkansas education community.

# 1. Who is required to take the *Biology End-of-Course Examination*?

The January 2008 *Biology Mid-Year End-of-Course Examination* should be administered to **all** students completing Biology by the end of first semester for high school credit who are eligible for testing under standardized conditions, with or without accommodations. The April 2008 *Biology End-of Course Examination* should be administered to **all** students completing Biology by the end of the spring semester for high school credit who are eligible for testing under standardized conditions, with or without accommodations, with or without accommodations.

# 2. There is too much testing required by the State. How are teachers supposed to have time for instruction?

The Arkansas Department of Education requires norm-referenced tests and criterion-referenced tests to be administered. A norm-referenced test was administered in 2008 and the *Biology End-of-Course Examination* was administered in January 2008 and in April 2008. The *Biology End-of-Course Examination* requires two days of testing. This test is part of the overall plan for education within the state and is to be used to gauge the success of curricular and instructional change. All other tests given at the district level are at the discretion of the district.

# 3. Why can't students just take some other test (or use other test results) to demonstrate performance?

The *Biology End-of-Course Examination* has been developed to specifically align with the Arkansas *Biology Science Curriculum Framework* in order to evaluate student learning relative to the curriculum being taught within the state. Other tests have been developed as general instruments that are not specific to the Arkansas curriculum. Allowing the use of another instrument, or a variety of instruments, to gauge student performance related to the Arkansas curriculum is not an accurate measure of achievement relative to the state-level goals for education.

For answers to other questions regarding the Biology End-of-Course Examination, please contact:

Dr. Gayle Potter, Associate Director Curriculum, Assessment, and Research Arkansas Department of Education 4 State Capitol Mall, Room 106A Little Rock, AR 72201-1071 Telephone: 501-682-4558

## EDUCATIONAL IMPROVEMENT PLANS AND USING THE 2008 Biology End-of-Course Examination Results

# MULTIPLE MEASURES FOR DEVELOPING EDUCATIONAL IMPROVEMENT PLANS

In real life, individuals are judged on a multitude of performances on a daily basis. In order to adequately identify, describe, and address specific performance strengths and weaknesses, it is necessary to acknowledge that individual competencies do not spring from a single source. To put it simply, if you want to improve individual performance, you need to identify the areas in which need is apparent. In the educational measurement setting, this has been termed "multiple measures." The underlying thinking of multiple measures is basic common sense: in order to improve learning, individually or collectively, it is important to be able to examine information from a variety of sources to identify what needs improving and how this can be accomplished. "Multiple measures" are often categorized by classifying each measure as "quantitative" versus "qualitative." A quantitative measure implies that a number or rating can be associated with the measurement while a qualitative measure implies that the measurement is more decision-based or anecdotal, relying on information and insights provided by an individual or group of individuals. The following describes the types of measurements that might fall into the quantitative versus qualitative categories:

# Quantitative

- Criterion-referenced test results (e.g., Biology End-of-Course Examination)
- Norm-referenced test results
- Classroom test results (current and past)
- Classroom work in the subject area or related subject area (current and past)

**Oualitative** 

- Teacher observations (current and past)
- Any other pertinent student measures related to the subject area and/or to student testing issues

In attempting to develop any plan for educational improvement for an individual student or groups of students, it is necessary to know where you are (establish a baseline), determine where you need to be (establish a goal or end result), determine the path (establish an implementation plan or model), determine how you are going to get there (establish what resources are necessary), and determine how you will know when you have arrived (establish measures of success). In order to develop an educational improvement plan that can be demonstrated to be effective, educators will need to use the quantitative and qualitative information from the sources listed above as well as other resources.

# USING THE BIOLOGY END-OF-COURSE EXAMINATION RESULTS

The reports for the *Biology End-of-Course Examination* provide students, teachers, and special program staff with a performance record for students relative to the expectations outlined within the Arkansas *Biology Science Curriculum Framework*. The most important use of these data is to identify students who need remediation in specific areas. The following are suggestions for school and district personnel who are responsible for the assessment and for any school remediation programs:

- Check the reports to find out which students did not perform at a proficient level. An asterisk listed next to the student's name on the *Class Roster Report* and the *School Roster Report* shows that the student did not perform at the Proficient performance level.
- For those students who did not perform at the Proficient performance level, notify the students, parents, and appropriate school personnel.
- Analyze the reports to determine in which skill areas students did not perform well.
- Develop and implement remediation strategies and goals for individuals and groups of students. Analyze previous remediation strategies used with students to determine necessary curricular additions or changes.
- Analyze instructional and curricular approaches to ensure that students are receiving instruction that is in direct alignment with the educational goals and competencies outlined within the Arkansas *Biology Science Curriculum Framework*.

# DISSEMINATING THE 2008 BIOLOGY END-OF-COURSE EXAMINATION RESULTS AND CONCLUSION

# DISSEMINATING THE BIOLOGY END-OF-COURSE EXAMINATION RESULTS

Make a complete and thorough analysis of the results as soon as possible. After the report forms have been received and the results have been reviewed by district staff, disseminate the results to students, parents, teachers, counselors, and others who may play a role in individual student education. The following suggestions may be helpful:

- Make certain that the appropriate teachers and guidance personnel receive the appropriate *Student Report(s)*, *Student Label(s)*, *Class Roster Report(s)*, *School Roster Report*, *School Summary Report*, *School Profile Report*, and *School Item-by-Item Selections of Correct Answers* report as soon as possible.
- Send the student (home) copy of the *Student Report* with an accompanying letter from the principal emphasizing the importance of the *Student Report*. This will likely generate numerous questions from interested parents. At the next PTA/PTO or other parent meeting, discuss the *Biology End-of-Course Examination* results to help parents better understand the results and encourage them to become more involved in any follow-up remediation, if necessary.
- Schedule both individual and group sessions with students to review the *Student Reports* and *Class Roster Reports*.
- Summarize information from the *School Roster Report*, *School Summary Report*, and *School Profile Report* or, through a newsletter or pamphlet, present information to school board members, school or district advisory committees, parent advisory groups, or other interested individuals.
- Use any other informational materials distributed by the Arkansas Department of Education to further explain and describe the test results.
- Communicate to teachers and guidance counselors, by letter or report, a list of the Biology skills with the lowest performance by students.
- If appropriate, prepare a brief summary of the results and the actions being taken by the school/district to appear in the school news section of the local newspaper(s).

# CONCLUSION

The Arkansas Comprehensive Testing, Assessment, and Accountability Program is the result of ongoing curriculum and instruction implementation within the state, culminating in the development of criterion-referenced testing instruments that are directly linked with the Arkansas *Biology Science Curriculum Framework*. Improving student performance on the *Biology End-of-Course Examination* is contingent upon the curricular and instructional approaches applied within a specific school and district setting. In order to move toward more effective education models, Arkansas has adopted performance standards that promote the success of all citizens. The sort of statewide implementation this undertaking implies is monumental. It requires the concerted effort of schools, districts, and thousands of educators. Moreover, all of this effort will be for nothing without the support of students, parents, and other affected members of the education community. The reports described within this guide are one step toward disseminating information to the community and beginning this concerted effort. The next step is to actively and collectively implement the statewide goals, expectations, and performance standards of the *Biology End-of-Course Examination* in order to develop educational improvement plans for individual students and for all students which best serve the citizens of Arkansas.

# THE 2008 BIOLOGY END-OF-COURSE EXAMINATION REPORTS

## **OVERVIEW OF THE BIOLOGY END-OF-COURSE EXAMINATION REPORTS**

Reports of results for the *Biology End-of-Course Examination* are sent to districts to provide information about student performance. Reports are provided separately for the January 2008 *Biology Mid-Year End-of-Course Examination* and for the April 2008 *Biology End-of-Course Examination*. Samples of the *Student Report, Student Label, Class Roster Report, School Roster Report, School Summary Report, School Profile Report,* and *School Item-by-Item Selections of Correct Answers* report are provided in this guide. A description of each report immediately precedes the report samples.

On the School Roster Report, School Summary Report, and School Item-by-Item Selections of Correct Answers report, students are reported by group. The groups are as follows:

- **Combined Population** All students for whom answer documents were returned for the January 2008 administration or April 2008 administration of the *Biology End-of-Course Examination*.
- **Combined Population without Highly Mobile** (appears only on the *School Roster Report*) All students for whom answer documents were returned for the January 2008 administration or April 2008 administration of the *Biology End-of-Course Examination* excluding those students who were identified on their answer documents as having enrolled in the school or moving between schools in the district after October 1, 2007.
- General Population Students who were not identified on their answer documents with an ESI code (IEP students), as LEP, and/or as Highly Mobile. Students coded as Gifted and Talented and/or as receiving Free and/or Reduced Lunch are included in the General Population report unless they have also been coded with an ESI code (IEP students), as LEP, and/or as Highly Mobile.
- **IEP Students** Students whose answer documents were marked with an ESI code (see page 18 for a listing of the ESI categories) identifying them as participating in a specific educational program. Students for whom more than one ESI code was marked are reported in the "Multiple Disabilities" category.
- LEP Students Limited English Proficient students who were identified as LEP on their answer documents.
- 1st Year LEP Students (appears only on the *School Roster Report*) Students who are Limited English Proficient and have been in the U.S. less than one year.
- **Gifted and Talented Students** Students identified on their answer documents as participating in a gifted and talented program.
- **Highly Mobile Students** Students who were identified on their answer documents as having enrolled in the school or moving between schools in the district after October 1, 2007.
- Free and/or Reduced Lunch (not reported on the *School Item-by-Item Selections of Correct Answers* report) Students who were identified on their answer documents as being eligible for free and/or reduced lunch.
- Non-economically Disadvantaged (not reported on the School Item-by-Item Selections of Correct Answers report).
- Non-disabled Students (not reported on the School Item-by-Item Selections of Correct Answers report).

On the Combined Population and General Population summary reports, the groups are further broken down for the following student populations (sub-groups):

- All Students Includes all students in the group that is being reported.
- Gender Results are reported separately for females and males. Students whose answer documents were not coded for gender or those for whom both options were marked are not reported in this sub-group.
- Ethnicity Results are reported separately for ethnicity (Asian/Pacific Islander, African American, Hispanic, Native American, Caucasian, and Not Indicated). Students whose answer documents were not coded for ethnicity or those for whom more than one ethnic background code was marked are reported under "Not Indicated."
- **Gender/Ethnicity** Results are reported for females within each ethnic group and for males within each ethnic group. Students whose answer documents were not coded or contained multiple marks for one of the fields are reported under "Not Indicated."
- **Migrant** Results are reported for students in each group who were also identified on their answer documents as migrant.

Student name and birth date, classroom/group name, school and district name, and school and district LEA number information is printed on the reports according to what was coded on the student answer documents, Classroom/ Group Information Sheet, and/or School/Course Header Sheet.

Note: The data in the sample reports are for display purposes only and do not represent actual results. Each sample has been prepared independently and is not meant to be tied to any other sample in this *Report Interpretation Guide*. All student names on the samples are fictitious, and any similarity to actual student names is purely coincidental.

## STUDENT REPORT

Each school will receive two copies of the *Student Report*, a student (home) copy in color and a school copy in black and white. The *Student Report* is a one-page, two-sided report. Side one provides information specific to the student listed. Side two provides information on how to help the student to achieve and a description of the additional informational resources that are available. A sample of the front side of the *Student Report* is provided on the opposite page.

The *Student Report* provides individual student feedback on how the student performed on the *Biology End-of-Course Examination*. The following information is provided on side one of the *Student Report*:

- Student information reflects what was coded on the student's answer document or provided from the student's APSCN record for student name, grade, and birth date.
- A letter from Dr. T. Kenneth James, Commissioner of Education, introduces the report.
- Scale Score Section (bottom left of report)
  - The four performance levels (Advanced, Proficient, Basic, and Below Basic) and the cut scores associated with Biology are shown. The general definition of each performance level is provided. These definitions are especially helpful for parents in understanding the level at which their student is performing.
  - The student's scale score and performance level are shown under the performance levels with an arrow showing where the student falls in the scale score. The school, district, and state average scores are also provided and can be used for comparative data.

A student is required to have attained a scale score associated with the Proficient or Advanced performance level in order to be considered performing at an acceptable level for Biology. It is important to note that the information listed at the strand level for the student plays an important role in gauging student needs but should not be used as the only measure in determining additional instruction.

- (Raw) Scores by Strand Section (bottom right of report)
  - A table with each strand listed in the left column is provided. The strands are directly aligned with the Arkansas *Biology Science Curriculum Framework*.
  - The total number of multiple-choice and open-response points for each strand is shown in the last two columns along with the number of raw score points achieved by the student. This information provides insight into specific areas in which the student may need additional instruction. For example, the number of points attained by the student for specific strands may show that the student had greater difficulty with "Molecules and Cells" concepts than with the other strands. Also, the list of multiple-choice versus open-response points earned may provide important clues to the student's needs. For example, a student may have performed adequately on the multiple-choice questions but poorly on the open-response questions indicating that the student may be having trouble responding in this format.
  - A score of "NA" (No Attempt) for an open-response item indicates that the student did not attempt to answer the item and is assigned a score of "0."
  - A definition and information for scale scores are provided under the (Raw) Scores by Strand table.

# STUDENT LABEL

Each school will receive a *Student Label* for each student's permanent record or transcript kept on file at the school. The *Student Label* includes the student's total scale score for Biology with the student's associated performance level for the January 2008 or April 2008 administration of the *Biology End-of-Course Examination*. A sample of the *Student Label* is provided on the opposite page.

The *Student Label* provides the student's name, grade, and date of birth. It also includes the student's scale score and performance level for the *Biology End-of-Course Examination*. This label will be added to the student's permanent record or transcript as a permanent record of the January 2008 or April 2008 *Biology End-of-Course Examination* test results.

STUDENT REPORT

		ucation		ACTAAP Arkansas Comprehensive Test and Accountability		sment,
		END-OF-C		XAMINATION—BIOLOGY NT REPORT		
SHL iest Da irade: irth D chool	.EYA nte: ate: Name:	nily of DAMS April 2008 9 07-21-1992 Arkansas High School (99-99-999) Arkansas School District (99-99)	Skills assess required to be describe wha Course Exam response que This report sumake importa Ashley and J academic dire Sincerely, T. Kenneth Ja	ley participated in the Arkansas End-of-Course Examin ad on this test are based on the Arkansas Curriculum F e part of any Arkansas instructional program. The Curr t Ashley is expected to know and be able to do in Biolc ination in Biology includes multiple-choice questions a estions that require the student to construct a handwritt immarizes Ashley's test results. These results are use int educational decisions for Ashley. <b>Please review th</b> <b>Ashley's teachers</b> . Using these test results to guide A ection is an important step for ensuring future success.	rameworks iculum Fran gy. The En s well as op en answer. d by the sch ese results	and are neworks d-of- en- nool to
			Ashley's	Test Results		
		Biology Scale Score	- here a here	Biology (Raw) Scores by Str.	and Multiple-	Open-
	MEETS STANDARDS	Proficient—Students demonstrate a solid understand-		This table shows the number of points Ashley scored in each of the Biology strands. Molecules and Cells Students will demonstrate an understanding of the role of chemistry in life processes, the structure and function of cells, and how cells obtain and use energy. Heredity and Evolution Students will demonstrate an understanding of heredity, investigate the molecular basis of genetics, and examine the development of the theory of biological evolution. Classification and the Diversity of Life	8 of 12 8 of 12	Response 5 of 8 7 of 8 8 of 8
ľ	200	istry and cells in life processes, genetic the diversity of life, and the ecological a relationships among organisms. They design and conduct scientific investigat data, and apply scientific principles to s biological problems.	ng the role of chem- enetics, evolution, gical and behavioral They are able to estigations, analyze	Students will demonstrate an understanding that organ- isms are diverse.     Ecology and Behavioral Relationships     Students will demonstrate an understanding of ecological and behavioral relationships among organisms and of the ecological impact of global issues.	9 of 12	5 of 8
	14 8 NOT MEET STANDARDS	Basic—Students display knowledge of biological concepts, including some understanding of the role chemistry and cells in life processes, genetics, evo tion, the diversity of life, and the ecological and bel ioral relationships among organisms. They partial demonstrate the ability to apply this knowledge. Ti are able to conduct basic level scientific investigat but demonstrate to eability to apply this function	g of the role of enetics, evolu- cal and behav- hey partially wledge. They e investigations, ssistance.	Nature of Science Students will demonstrate an understanding that science is a way of knowing. They will further demonstrate an understanding of current life science theories; design and safely conduct a scientific inquiry to solve valid problems; use mathematics, science equipment, and technology as tools to communicate and solve life science problems; describe the connections between pure and applied science; and describe various life science careers and the training required for the selected career.	8 of 12	6 of 8
Schoo Distric	ley's so ol Average Average	e Score 220		NA = No attempt to answer the item. Score of "0" (zero) assign Ashley's total scores reported for Biology are scale scores. S formed raw scores. When multiple forms of a test are used, o compared from year to year, scale scores are needed to adji in test form length or difficulty. They are used in numerous na cluding the ACT and SAT examinations, and are routinely us testing programs, providing the basis for long-term, meaning results across different test administrations. For more inform scores to scale scores, see the Raw to Scale Score Convers ADE website at the Testing link.	cale scores a or when result st for possible tional testing ed in many oth ful comparisor ation about co	re trans- s are differences programs, in- ner statewide ns of student nverting raw

# STUDENT LABEL

ACTAAP End of Course Examination Biology Date of Test: April 2008	
ADAMS, ASHLEY	Grade: 10
DOB: 07-21-1992 District: Arkansas School District (99-99) School: Arkansas High School (99-99-999) Scale Score: 244 Proficient	

# **CLASS ROSTER REPORT**

Two copies of the *Class Roster Report* will be produced—one copy for the school and one copy for the district. The *Class Roster Report* is a one-sided, single-page or multi-page report depending on the number of students, which provides a list of students and the results for those students who participated in the January 2008 or April 2008 *Biology End-of-Course Examination*. The class name printed on the report reflects what was coded on the Classroom/Group Information Sheet for classroom/group name. A sample of this report is provided on the opposite page.

The *Class Roster Report* provides school and district staff with information on how students within a specific class or group performed on the *Biology End-of-Course Examination*. The following information is included on the *Class Roster Report*:

- The four performance levels (Below Basic, Basic, Proficient, and Advanced) are shown to the right of the school information with the associated range of scale scores for Biology.
- All students within the classroom/group are listed in alphabetical order by last name (with their respective birth dates) in the left column with the results for each student provided in the columns that follow. All of the information provided on the individual *Student Report* is also provided for each student on the *Class Roster Report* (e.g., performance level, scale score, strand-level information). Grade and information is also provided.
- Students who did not attain the Proficient or Advanced performance level in Biology are indicated with an asterisk next to their names.
- A First Year in a School in the U.S. LEP Student is designated with an "L" following the student's birth date.
- Following the listing of students, the class average for each strand is provided. Class averages do not include First Year LEP student scores.
- The Mean Scale Scores for the school, district, region, and state in Biology are provided and can be used as comparative data.

A student is required to have attained a total scale score associated with the Proficient or Advanced performance level in order to be considered performing at an acceptable level for Biology. Again, it is important to note that the information listed at the strand level for the student can play an important role in gauging student needs but should not be used as the only measure in determining additional instruction.

AP	e Testing,	ility Program
TA	Comprehensiv	and Accountat
AC	Arkansas	Assessment,

District Number: 99-99 District Name: Arkansas School District School Number: 99-9999

# **END-OF-COURSE EXAMINATION** BIOLOGY CLASS ROSTER REPORT

Date of Test: April 2008 Page 1

Proficient Advanced (PRO) (ADV)

Basic (BAS)

(BEL)

PERFORMANCE LEVEL SCALE SCORE Below Basic Basic Proficient Advar

2008 Biology End-of-Course Examination Report Descriptions and Sam	IPLES

School Name: Arkansas Class Name: PIERCE	Arkansas High School PIERCE				145 aı	145 and below 14	146–199 200-	200249 250 and above	above
	e)				BIOLOGY	~			
<ul> <li>NI = Not Indicated</li> <li>* = Not Proficient in Biology</li> <li>&amp; = Modified form adapted to Braille</li> </ul>	yy to Braille	GRADE	PERFORMANCE LEVEL	BIOLOGY SCALE SCORE	Molecules and Cells	Heredity and Evolution	Classification and the Diversity of	Ecology and Behavioral Relationships	Nature of Science
Student Information							Life		
Multiple-Choice/Open-Response Points Possible	ints Possible				12/8	12/8	12/8	12/8	12/8
ADCOCK, JASON	06-11-1991	11	PRO	215	6/4	6/4	10/7	6/4	6/5
ADDLER, KARIE *	06-11-1991	11	BAS	185	7/4	3/2	7/4	7/4	6/2
ANDERSON, MARK *	06-02-1991	11	BEL	107	3/NA	3/0	3/NA	3/NA	8/NA
BANCROFT, MARY *	06-02-1992	10	BAS	182	7/4	3/0	7/4	7/4	7/2
BEST, COURTLAND	07-21-1991	11	PRO	244	5/4	10/7	10/6	9/8	8/2
BIDEN, JEAN * &	06-02-1993	60	BEL	107	3/NA	3/0	3/NA	3/NA	8/NA
BYRD, JERRY	06-02-1993 (L)	60	ADV	278	7/4	10/8	12/8	11/7	7/6
CANTRELL, MARVIN *	06-02-1991 (L)	11	BAS	177	6/4	3/0	10/4	6/4	6/0
DREYFUS, JUSTIN	06-02-1992	10	PRO	218	5/6	5/7	5/8	5/7	5/6
DUNKIRK, BOB	06-02-1991	11	PRO	247	10/4	10/4	10/4	10/4	10/4
JACKSON, JOHN	06-02-1991	11	ADV	262	10/5	10/5	10/5	10/5	10/5
KIRK, ELLIOT	06-02-1992	10	ADV	278	10/6	10/6	10/6	10/6	10/6
SMITH, JILIAN *	06-11-1991	11	BEL	137	4/4	3/0	4/4	3/0	5/2
VIGGERS, CODY *	07-21-1992	10	BAS	146	6/4	3/0	6/4	3/0	6/0
WAYLAND, JOSEPH *	06-02-1991	11	BEL	87	4/NA	2/NA	4/NA	2/NA	3/NA
<b>CLASS AVERAGE:</b>				186	6/3	5/3	7/4	6/3	7/3
COMBINED POPULATION:	MEAN SCALE SCORE								
BIOLOGY	School: 186								
	District: 175 Region: 175 State: 193								
L: 1st Year LEP Student					Averages do no	ot include the fo	Ilowing groups:	Averages do not include the following groups: 1) 1st Year LEP students	students

## SCHOOL ROSTER REPORT

Two copies of the *School Roster Report* will be produced—one copy for the school and one copy for the district. The *School Roster Report* is a one-sided, multi-page report providing a list of students for whom answer documents were returned for the January 2008 or April 2008 *Biology End-of-Course Examination* and the results for those students. The school information printed on the report reflects what was coded on the School/Course Header Sheet for district name, school name, and district/school LEA number. A sample of this report is provided on pages 11–13.

The *School Roster Report* provides school and district staff with information on how all students within a school performed on the *Biology End-of-Course Examination*. The following information is provided on the *School Roster Report*:

- The four performance levels (Below Basic, Basic, Proficient, and Advanced) are shown to the right of the school information with the associated range of scale scores for Biology.
- Results for students are reported separately by group. See page 5 for a listing and definitions of the groups.
- All students in the school are listed in alphabetical order by last name (with their respective birth dates) in the left column with the *Biology End-of-Course Examination* results for each student provided in the columns that follow. All of the information provided on the individual *Student Report* is also provided for each student on the *School Roster Report* (e.g., performance level, scale score, strand-level information). Grade information is also provided.
- Students who did not attain the Proficient or Advanced performance level in Biology are indicated with an asterisk next to their names.
- A First Year in a School in the U.S. LEP Student is designated with an "L" following the student's birth date.
- Following the listing of students within each group, the school average for each strand for that group is provided. School averages do not include First Year LEP student scores.

A student is required to have attained a total scale score associated with the Proficient or Advanced performance level in order to be considered performing at an acceptable level for Biology. Again, it is important to note that the information listed at the strand level for the student can play an important role in gauging student needs but should not be used as the only measure in determining additional instruction.

AP	e Testing,	ility Program
TA	Comprehensive	and Accountab
AC	Arkansas	Assessment,

# END-OF-COURSE EXAMINATION BIOLOGY SCHOOL ROSTER REPORT

Date of Test: April 2008

Page 1

District Number: 99-99 District Name: Arkansas School District School Number: 99-99-999 School Name: Arkansas High School

 PERFORMANCE LEVEL SCALE SCORE

 Below Basic
 Proficient
 Advanced

 (BEL)
 (BAS)
 (PRO)
 (ADV)

 145 and below
 146-199
 200-249
 250 and above

NA = No Attempt (Zero Score)					BIULUGY	×			
<ul> <li>NI = Not Indicated</li> <li>* = Not Proficient in Biology</li> <li>&amp; = Modified form adapted to Braille</li> </ul>		GRADE	PERFORMANCE LEVEL	BIOLOGY SCALE	Molecules and Cells	Heredity and Evolution	Classification and the Diversity of	Ecology and Behavioral Pelationships	Nature of Science
Student Information				2002			Life		
Multiple-Choice/Open-Response Points Possible					12/8	12/8	12/8	12/8	12/8
COMBINED POPULATION SCHOOL AVERAGE:				181	£/9	4/2	8/4	6/3	6/2
COMBINED POPULATION WITHOUT HIGHLY MOBILE SCHOOL AVERAGE:				186	7/4	4/3	8/4	7/3	7/3
<b>GENERAL POPULATION</b>									
ADCOCK, JASON	06-11-1991	1	PRO	215	6/4	6/4	10/7	6/4	6/5
ADDLER, KARIE *	06-11-1991	1	BAS	185	7/4	3/2	7/4	7/5	6/2
ANDERSON, MARK *	06-02-1991	11	BEL	107	3/NA	3/0	3/NA	3/NA	8/NA
BANCROFT, MARY *	06-02-1992	10	BAS	182	7/4	3/0	7/4	7/4	7/2
BEST, COURTLAND	07-21-1991	4	PRO	244	5/4	10/7	10/6	9/8	8/2
BIDEN, JEAN *&	06-02-1993	60	BEL	107	3/NA	3/0	3/NA	3/NA	8/NA
BRENT, TRACY	06-02-1993	60	ADV	282	7/4	10/8	12/8	11/7	8/6
COOPER, SHANE *	06-02-1991	1	BAS	190	6/4	3/0	10/4	6/4	6/5
DREYFUS, JUSTIN	06-02-1992	10	PRO	218	5/6	5/7	5/8	5/7	5/6
DUNKIRK, BOB	06-02-1991	11	PRO	247	10/4	10/4	10/4	10/4	10/4
JACKSON, JOHN	05-12-1991	11	ADV	262	10/5	10/5	10/5	10/5	10/5
KIRK, ELLIOT	03-22-1992	10	ADV	278	10/6	10/6	10/6	10/6	10/6
LOGAN, JONATHAN	06-02-1992	Z	PRO	236	10/5	3/5	10/8	10/8	5/2
LOPEZ, SIMONE	06-02-1992	10	ADV	250	10/6	3/6	10/8	10/8	8/2
PEOPLES, LESA *	08-05-1992	10	BEL	100	3/NA	1/0	3/NA	3/NA	8/NA
<b>RICHARDSON, ADRIAN *</b>	12-25-1991	11	BAS	192	7/4	3/0	11/2	11/2	7/2
L: 1st Year LEP Student					Averages d	o not include the	e following grou	Averages do not include the following groups: 1) 1st Year LEP students	EP students

# 2008 Biology End-of-Course Examination Report Descriptions and Samples

AP	/e Testing, bility Program
CTA	insas Comprehensiv ment, and Accountal
A	Arkar Assessm

END-OF-COURSE EXAMINATION BIOLOGY SCHOOL ROSTER REPORT

Date of Test: April 2008 Page 2

Proficient Advanced

Basic

Below Basic

**Arkansas School District** 

District Number: 99-99 District Name: Arkan

PERFORMANCE LEVEL SCALE SCORE

School Number: 99-99-999 School Name: Arkansas High School	igh School				(BEL) 145 and below		(BAS) (PRO) 146-199 200-249	(O) (ADV) 249 250 and above	') above
NA = No Attempt (Zero Score)					BIOLOGY				
<ul> <li>N = Not Indicated</li> <li>* = Not Proficient in Biology</li> <li>&amp; = Modified form adapted to Braille</li> </ul>	Braille	GRADE	PERFORMANCE I FVFI	BIOLOGY SCALE	Molecules and Cells	Heredity and Evolution	Classification and the Diversity of		Nature of Science
Student Information				SCORE				Relationships	
Multiple-Choice/Open-Response Points Possible	s Possible				12/8	12/8	12/8	12/8	12/8
<b>GENERAL POPULATION</b>	(cont'd)								
SMITH, JILIAN *	06-11-1991	1	BEL	137	4/4	3/0	4/4	3/0	5/2
VIGGERS, CODY *	07-21-1992	10	BAS	146	6/4	3/0	6/4	3/0	6/0
WAYLAND, JOSEPH *	06-02-1991	11	BEL	87	4/NA	2/NA	4/NA	2/NA	3/NA
SCHOOL AVERAGE:				193	6/4	5/13	8/4	7/4	7/3
IEP STUDENTS									
BONDS, KARLA *	08-30-1991	11	BEL	81	5/2	1/0	5/NA	2/0	0/NA
SCHOOL AVERAGE:				87	5/2	1/0	5/0	2/0	0/0
LEP STUDENTS									
JIMINEZ, LUIS	08-30-1991	11	PRO	210	8/4	1/2	11/4	8/0	10/8
MORALES, LOUISA *	09-20-1992	10	BEL	137	9/4	2/2	4/1	4/0	3/NA
SCHOOL AVERAGE:				174	9/4	2/2	8/3	6/0	7/4
<u>1ST YEAR LEP STUDENTS</u>									
BYRD, JERRY	06-02-1993 (L)	60	ADV	265	7/4	10/8	12/8	11/7	7/2
CANTRELL, MARVIN *	06-02-1991 (L)	1	BAS	177	6/4	3/0	10/4	6/4	6/0
SCHOOL AVERAGE:				221	7/4	7/4	11/6	9/6	1/1
L: 1st Year LEP Student					Averages de	o not include t	the following gr	Averages do not include the following groups: 1) 1st Year LEP students	LEP student

# 2008 Biology End-of-Course Examination Report Descriptions and Samples

AP	sive Testing, ability Program
ACTA	Arkansas Comprehensive Assessment and Accountable

END-OF-COURSE EXAMINATION SCHOOL ROSTER REPORT BIOLOGY

Date of Test: April 2008 Page 3

2008 Biology End-of-Course Examination Report Descriptions and Samp	LES

District Number: 99-99 District Name: Arkansas School District School Number: 99-9999 School Name: Arkansas High School				Bel 145	<u>PERFORN</u> Below Basic (BEL) 145 and below	PERFORMANCE LEVEL SCALE SCORE Basic Basic Proficient Adv (L) (BAS) (PRO) ( <i>i</i> below 146-199 200-249 250 ar	L SCALE SCOR Proficient A (PRO) 200-249 250	<u>SORE</u> Advanced (ADV) 250 and above
NA = No Attempt (Zero Score)				BIOLOGY	GY			
	GRADE	PERFORMANCE I FVFI	BIOLOGY SCALE	Molecules and Cells	Heredity and Evolution	Classification and the Diversity of	Ecology and Behavioral	Nature of Science
Student Information		1	SCORE				Relationships	
Multiple-Choice/Open-Response Points Possible				12/8	12/8	12/8	12/8	12/8
GIFTED AND TALENTED STUDENTS 106-02-1992 1092	10	ADV	250	10/6	3/6	10/8	10/8	8/2
SCHOOL AVERAGE:			250	10/6	3/6	10/8	10/8	8/2
HIGHLY MOBILE STUDENTS								
	11	BAS	161	4/4	2/0	8/4	4/4	5/2
MCDONALD, CODY * 07-21-1992 TULLY, JOSEPH * 06-02-1991	10	BAS BEL	174 96	6/4 4/NA	2/0 1/NA	10/4 5/0	6/4 4/NA	6/0 3/NA
SCHOOL AVERAGE:			144	5/3	2/0	8/3	5/3	5/1
FREE AND/OR REDUCED LUNCH STUDENTS								
SCHOOL AVERAGE:			140	5/2	1/1	7/2	4/4	4/0
NON-ECONOMICALLY DISADVANTAGED								
SCHOOL AVERAGE:			188	6/4	4/2	10/3	6/4	6/2
NON-DISABLED STUDENTS								
SCHOOL AVERAGE:			185	6/4	4/2	8/4	6/3	7/3
L: 1st Year LEP Student				Averages o	do not include t	Averages do not include the following groups: 1) 1st Year LEP students	ups: 1) 1st Yea	r LEP students

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# SCHOOL SUMMARY REPORT - OVERVIEW

Each school will receive two copies of the *School Summary Report* and each district will receive one copy of the *School Summary Report* for the schools in the district. The Arkansas Department of Education will also receive one copy of the *School Summary Report*. The *School Summary Report* is a one-sided, multi-page report providing student results aggregated to the school level. Seven groups are reported independently from one another (see page 5 for additional information). The school information printed on the report reflects what was coded on the School/ Course Header Sheet for district name, school name, and district/school LEA number.

# SCHOOL SUMMARY REPORT: COMBINED POPULATION

The *Combined Population Report* gives the results for **all** students\* for whom answer documents were returned for the January 2008 or April 2008 administration of the *Biology End-of-Course Examination*. A sample is provided on the opposite page.

The *School Summary Report: Combined Population* provides school and district staff with summary information on how all students in the school performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of students\* in the school for whom answer documents were returned is provided at the top of the page under the district name.
- The Combined Population group is broken out and reported for the following student populations (sub-groups):
  - All Students Gender Ethnicity Gender/Ethnicity Migrant
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates the specific student population that is being reported on that particular line (row).
- The information provided on the *School Summary Report: Combined Population* can be used to compare the performance of students in the school with the performance of students at the district, region, and state levels.
- \* First Year in a School in the U.S. LEP Student scores are not included in this report.
- Note: Each district will receive two copies of the *District Summary Report*, which provides student results aggregated to the district level. The Arkansas Department of Education will also receive one copy of the *District Summary Report*. The *District Summary Report* provides district staff with summary information on how students within the district performed on the January 2008 or April 2008 *Biology End-of-Course Examination*. The *School* and *District Summary Reports* are set up identically to one another, except that the district report does not include school data. The district-level report also contains an additional page for 1st Year LEP students.

Assessment II, and American J. Togan Number 59-99         School Number 19-99         School Number 50-99           District Number of Students Total Numb		
Number & Percent of Students         Number & Percent of Students           Below Basic (BEL)         145 and below           145 and below         1314           20%         24%           14         20%           14         20%           14         20%           14         20%           14         20%           14         20%           14         20%           14         20%           10         314           20%         21%           10         21%           21%         23%           21%         23%           21%         23%           21%         23%           21%         23%           21%         23%           21%         23%           22%         23%           23%         23%           24%         14%           25%         23%           26%         23%           27%         23%           27%         24%           28%         23%           29%         23%           29%         24%		
	Number & Percent of Students Proficient (PRO) 200-249	Number & Percent of Students Advanced (ADV) 250 and above
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Region         State         School         District         Region         State         School           450         4,782         16         16         471         6,671         24           19%         14%         23%         23%         20%         34%	District         Region         State           24         631         14,653           34%         27%         44%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	223 2,456 <b>19% 15%</b> 227 2,319 <b>19% 14%</b>	12 342 7,239 40% 29% 45% 12 288 7,404 29% 24% 44%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 48 0 0 0 61 0% 15% 0% 0% 0% 1386 249 1,480 1 1 1 202 1,386	2 100% 186
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	21% 19% 13% 13% 17% 18% 13 303 0 0 11 381 23% 19% 0% 0% 19% 23%	<b>16%</b> 25% 33%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	<b>10%</b> 184 2,875 <b>17%</b> 13% 1	0% 30% 46% 23 419 101 37% 39% 53% 0 2 74
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	17% 11% 0% 0% 50% 17% 0 19 0 0 0 28	33%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0% 12% 0% 0% 0% 18% 121 766 0 0 101 740 20% 20% 0% 17% 19%	0% 20% 20%
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<b>24%</b> 13% 0% 0% 18% 24% 0 12 0% 0% 18% 24% 0% 11% 0% 0% 17% 27%	21% 1 17%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	93 1,473 7 7 116 2,233 18% 13% 23% 23% 22% 20% 1 9 0 0 2 14	12 213 5,882 40% 41% 53% 0 1 35
2 2 29/ 1,822 4 4 128 /14 25% 50% 17% 50% 50% 22% 18% 0% 0% 29% 26% 0% 0% 21% 17% 0 0 22 0% 0% 25% 8% 0% 0% 25% 8%	<b>25% 12% 0% 0% 0% 50% 13%</b> 0 29 0 0 0 33 0% 17% 0% 0% 0% 19%	20% 100%
0% 0% 29% 26% 0% 0% 21% 17% 0% 0% 0% 21% 17% 0% 0% 0% 0% 0% 0% 25% 0% 0% 25% 8%	128 /14 1 22% 18% 13% 5 144 0	1 69 680 13% 12% 18% 0 7 277
	21% 17% 0% 0% 21% 23% 1 9 0 0 1 28 28 0% 0% 54% 55%	
9. 115 1,742 5 5 91 1,401 27% 21% 15% 15% 15% 17% 12%	5.1 1,401 8 8 136 2,478 17% 12% 24% 24% 25% 21%	206 6 38% 6
0 0 11 0 0 6 0% 0% 17% 0% 0% 0% 9%	0 6 0 0 1 9 0% 9% 0% 0% 50% 14%	1 50%
0 5 162 0 0 6 108 0% 21% 29% 0% 0% 25% 20%	6 108 0 0 9 134 25% 20% 0% 0% 38% 24%	4 17%

# SCHOOL SUMMARY REPORT: GENERAL POPULATION

Students included in the *General Population Report* are those who were **not** identified with an ESI code (IEP students), as limited English proficient (LEP students), and/or as Highly Mobile. Students identified as Gifted and Talented and/or as receiving Free and/or Reduced Lunch are included in the *General Population Report* unless they have also been identified with an ESI code, as limited English proficient, and/or as Highly Mobile. A sample is provided on the opposite page.

The *School Summary Report: General Population* provides school and district staff with summary information on how General Population students in the school performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of General Population students\* in the school is provided at the top of the page under the district name.
- The General Population group is broken out and reported for the following student populations (sub-groups):

All Students Gender Ethnicity Gender/Ethnicity Migrant

- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates the specific student population that is being reported on that particular line (row).
- The information provided on the *School Summary Report: General Population* can be used to compare the performance of General Population students in the school with the performance of General Population students at the district, region, and state levels.

\* First Year in a School in the U.S. LEP Student scores are not included in this report.

A T T A				ш	ND-OF	-COUR BIC	URSE EXA BIOLOGY	END-OF-COURSE EXAMINATION BIOLOGY	N				Date of Test: April 2008 Page 2	t: April 20	98	
Arkansas Comprehensive Testing, Assessment, and Accountability Program	ve Testing, bility Progr	ram	SCH	SCHOOL SU	UMMARY REPORT:	REPC	)	GENERAL POPULATION	POPUL	ATION	_					
		District Numbe District Name: Total Number c	District Number: 99-99 District Name: Arkan Total Number of Studen	ts sa	s School Dis Tested: 71	itrict		Schoc Schoc	School Number: 99-99-999 School Name: Arkansas	99-99-{ Arkans	99-99-999 Arkansas High School	School				
	Nun	Number & Percent of Students Below Basic (BEL) 145 and below	er & Percent of Stu Below Basic (BEL) 145 and below	udents	Nur	mber & Pei Basid 146	Number & Percent of Students Basic (BAS) 146–199	lents	Num	ber & Per Proficie 200	Number & Percent of Students Proficient (PRO) 200–249	dents	Numb	ber & Per Advanct 250 an	Number & Percent of Students Advanced (ADV) 250 and above	idents
All Students	<u>School</u> 14 <b>20%</b>	<u>District</u> 14 <b>20%</b>	<u>Region</u> 799 <b>34%</b>	<u>State</u> 7,167 <b>17%</b>	<u>School</u> 17 <b>24%</b>	District 17 <b>24%</b>	<u>Region</u> 450 <b>19%</b>	<u>State</u> 4,782 <b>14%</b>	<u>School</u> 16 <b>23%</b>	District 16 23%	<u>Region</u> 471 <b>20%</b>	<u>State</u> 6,671 <b>20%</b>	<u>School</u> 24 <b>34%</b>	District 24 <b>34%</b>	<u>Region</u> 631 <b>27%</b>	<u>State</u> 14,653 <b>44%</b>
Gender Female Male	3 10% 27%	3 10% 27%	374 <b>32%</b> 424 <b>36%</b>	3,279 <b>20%</b> 3,876 <b>23</b> %	27% 9 22%	27% 9 22%	223 <b>19%</b> 227 <b>19%</b>	2,456 1 <b>5%</b> 2,319 1 <b>4%</b>	7 23% 22%	23% 9 22%	226 <b>19%</b> 21%	3,249 2 <b>0%</b> 3,417 <b>20%</b>	12 40% 29%	12 <b>40%</b> <b>29</b> %	342 29% 24%	7,239 <b>45%</b> 7,404 <b>44%</b>
Ethnicity Asian/Pacific Islander African American	52%00 52%00	0% 5% 5%	0 555 <b>47%</b>	37 3,332 <b>43%</b>	<b>50%</b> 50%	<b>20</b> %00	0 249 21%	48 1,480 1 <b>9</b> %	<b>13</b> -00 80	<b>1</b> 3% 13%	0 202 17%	61 1,386 1 <b>8</b> %	0 13,400 0,600	0° 13%	100% 186 16%	181 <b>55%</b> 1,556 <b>20%</b>
ruspanic Native American Caucasian	00°0° 10°0° 10°0°	<b>1</b> 2% 10%	33% 216 20%	409 25% 41 3,253 14%	213% 000% 21%	2 <sup>1</sup> 3%00%	23% 10% 184	21 21 2,875 13%	15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0%0 15% 24%	19% 20% 24%	23% 57 4,711 21%	0% 0% 37%	<b>0%</b> 37%	25% 30% 39%	33% 33% 46% 53%
Not Indicated Gender/Ethnicity - Female	0% <b>0</b>	0% <b>0</b>	0 <b>°0</b>	27 <b>19%</b>	0% 0	0% <b>0</b>	17%	15 11%	0 <b>%0</b>	0%0	3 50%	23 17%	0% <b>0</b>	0%0	<b>33%</b>	74 <b>53%</b>
Asian/Pacific Íslander African American Hisnanic	°°°°	°°°°	0 257 43%	19 1,509 <b>39</b> %	°°°°	°°°°	0 121 20%	19 766 2 <b>0%</b>	°°°°	ೲೲ	0 101 17%	28 <b>18%</b> <b>19%</b>	°°°°	°°°°°	0 117 20%	91 58% 23% 23%
Native American Caucasian	<b>°°°</b> °	<b>°°°°</b> ″	36% 4 67%	24% 1510	°°°°°	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<b>54%</b> 00%	<b>20%</b> 12% 1473	%0 0	%0 000 000	18% 17% 116	24% 29 27%	0°0°0°	°°°°¢	<b>21%</b> 17%	<b>33%</b> 49 5882
Not Indicated	10% 0%	10% 0%	19% 0%	14% 16 22%	27% 0 0%	27% 0%	18% 1 25%	13% 12%	23% 0%	23% 0%	22% 50%	14 19%	<b>40%</b> 0%	40% 0%0%	41% 25%	<b>53%</b> 35 47%
Gender/Ethnicity - Male Asian/Pacific Islander African American	00 00 00	0%0 0%0	0 297 297	18 11% 1,822	0 <b>0</b> %0	0 <b>0</b> 4	0 128	29 17% 714	00	00	0 101 101	33 <b>19%</b> 646	00	000	100%	90 <b>53</b> % 680
Hispanic	%0° %0	%0°°	50% 29%	41% 218 26%		°°°	27% 21%	18% 144 17%	0°0 0°2	°°°°	21% 21%	17% 23%	°00°	0°°°	12% 29%	18% 33%
Native American Caucasian	°°°	<b>○°°</b> °	0 115 24%	22 20% 1,742		ړ ۳۵%	25% 91	9 8% 1,401	∩°°°	°°°°	25%	28 2,478 2,478	°1%00	°°1%0	50%	51 46% 6,217
Not Indicated	%°°	°°°	°00 °	11 17%		%0°	%0°	9% 9%	*00°	*0°0°	20% 20%	2 7 0 9 7 7 4%	°°°	°°°	20%	38 38 59%
IVII GI AI I L	0% 0	0% 0	21%	29%	0% 0	, 0%	25%	20%	0%	°,0	38%	24%	0%	0%	17%	27%

The following groups are not included in this report: 1) 1st Year LEP students

## SCHOOL SUMMARY REPORT: IEP STUDENTS

The results in this section of the *School Summary Report* are for those students who were identified with an ESI category. IEP students are included as part of the *Combined Population Report* but are not included in the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: IEP Students* provides school and district staff with summary information on how exceptional students in the school performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of IEP students\* in the school is provided at the top of the page under the district name.
- Data are first provided for "All IEP Students" and then broken down by the following ESI categories listed on the left side of the report:

Autism	Other Health Impairment
Deaf-Blindness	Serious Emotional Disturbance
Hearing Impairment	Specific Learning Disability
Mental Retardation	Speech or Language Impaired
Multiple Disabilities	Traumatic Brain Injury
Orthopedic Impairment	Visual Impairment

- **NOTE:** Students for whom more than one ESI code was marked on their answer documents are reported in the "Multiple Disabilities" category.
- The information provided for "Non-disabled" includes only those students who were not identified with an ESI code.
- The information provided for "Migrant" includes only those IEP students who were also coded on their answer documents as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information provided on the *School Summary Report: IEP Students* can be used to compare the performance of exceptional students in the school with the performance of exceptional students at the district, region, and state levels.
- \* First Year in a School in the U.S. LEP Student scores for students who are also special education students are not included in this report.

			ents <u>State</u> 134 12%	<b>25%</b> <b>100%</b> <b>15%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>17%</b> <b>3%</b> <b>3%</b> <b>3%</b>
80			Number & Percent of Students Advanced (ADV) 250 and above <u>hool District Region</u> 0 0% 0% 3%	<b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b>
Date of Test: April 2008 Page 3			er & Percent of St Advanced (ADV) 250 and above <u>District</u> <u>Regior</u> 0 47 <b>3</b> %	60 889 6060606060606060606060 377 6060606060606060606060606060606060606
Date of Te Page 3			Numb School 0 0%	oo %a ooooooooooooooooooooooooooooooooo
		r School	ents <u>State</u> 13%	$ \begin{array}{c} 0\\ 0\\ 12\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2$
		99-99-999 Arkansas High School	Number & Percent of Students Proficient (PRO) 200–249 0 0 23 0% 7% 7	00000000000000000000000000000000000000
	ITS	er: <b>99-99</b> : Arkar	ar & Percent of Si Proficient (PRO) 200-249 <u>District Regi</u> c 0 23	60 80 6060606060606060606060606060606060
NO	IEP STUDENTS	School Number. 99-999 School Name: Arkansas	Numbe School 0%	္ရန္က အိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္ရမွာ စိုင္
MINATI	IEP S	Scho	ents <u>State</u> 15%	10 18% 18% 19% 117 117 117 117 117 117 117 11
URSE EXAL	EPORT:		Number & Percent of Students Basic (BAS) 146–199 hool District Region St 0 00, 0% 11%	60 60 60 60 60 60 60 60 60 60
COURS		strict	er & Percent of Basic (BAS) 146–199 <u>District Reg</u> 0 71	00 00000000000000000000000000000000000
END-OF-COURSE EXAMINATION	SUMM/	school Dis sted: 4	Numb School 0 0%	oo % ooooooooooooooooooooooooooooooooo
E	SCHOOL SUMMARY REPORT:	District Number: <b>99-99</b> District Name: <b>Arkansas School District</b> Total Number of Students Tested: <b>4</b>	ints <u>State</u> 2,296 <b>61%</b>	51% 51% 51% 51% 50% 50% 50% 50% 50% 50% 50% 50
	SC	с Ę	nt of Stude c (BEL) belov <u>168</u> <b>79%</b>	$\begin{array}{c} \textbf{100} $
		District Numbe District Name: Total Number o	Number & Percent of Students Below Basic (BEL) 145 and belov chool District Region St 100% 100% 79%	
	ogram		Numbe E School 100%	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	Assessment, and Accountability Program		All IEP Students	ESI Categories Autism Dear-Blindness Hearing Impairment Mental Retardation Multiple Disabilities Orthopedic Impairment Other Health Impairment Serious Emotional Disturbance Specific Learning Disability Speech or Language Impaired Traumatic Brain Injury Visual Impairment Non-Disabled Migrant

# SCHOOL SUMMARY REPORT: LEP STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as Limited English Proficient (LEP). LEP students are included as part of the *Combined Population Report* but are not included in the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: LEP Students* provides school and district staff with summary information on how LEP students in the school performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of LEP students\* in the school is provided at the top of the page under the district name.
- The information provided for "Migrant" includes only those LEP students who were also coded on their answer documents as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: LEP Students* can be used to compare the performance of LEP students in the school with the performance of LEP students at the district, region, and state levels.

\* First Year in a School in the U.S. LEP Student scores are not included in this report.

		OLUGI .		DF-COURSE EXAMINATION REPORT DESCRIPTIONS AND SAMPLES	
		ents	<u>State</u> 237 <b>25%</b>	22% 22%	
Ω		Number & Percent of Students Advanced (ADV) 250 and above	Region 6 <b>18%</b>	<b>1</b> 20%	
Date of Test: April 2008 Page 4		ber & Percent of St Advanced (ADV) 250 and above	District 0 <b>0</b> %	°°	
Date of Te Page 4		Numk	School 0 <b>0%</b>	ం <b>సి</b>	
	School	ints	<u>State</u> 300 <b>32%</b>	46 28%	
	99-999 Arkansas High School	nt of Stude (PRO) 49	Region 5 <b>15%</b>	53 <sup>3</sup> %	
လု	: 99-99-9 Arkans	Number & Percent of Students Proficient (PRO) 200–249	District 0 <b>0</b> %	°°	
N UDENT	School Number: 99-999 School Name: Arkansas	Numbe	School 0 <b>0%</b>	°°	
MINATIO LEP ST	Schoo	ents	<u>State</u> 178 <b>19%</b>	29 17%	
E EXAI OGY PORT:		ent of Stud BAS) 199	Region 7 21%	4 <del>6</del> %	
OURSE EX BIOLOGY RY REPOR	trict	Number & Percent of Students Basic (BAS) 146–199	District 0 <b>0%</b>	°°	
END-OF-COURSE EXAMINATION BIOLOGY SCHOOL SUMMARY REPORT: LEP STUDENTS	99-99 Arkansas School District Students Tested: 0	Numb	<u>School</u> 0 <b>0%</b>	ଁ	
CHOOL	District Number: 99-99 District Name: Arkansas School Total Number of Students Tested: 0	dents	<u>State</u> 200 <b>22%</b>	32%	Its
S	District Number: 99-99 District Name: Arkan Total Number of Studen	Number & Percent of Students Below Basic (BEL) 145 and below	<u>Region</u> 15 <b>45%</b>	4 3.1%	- LEP studer
	District District Total Nu	ber & Perc Below Ba 145 an	District 0 <b>0%</b>	°°°	1) 1st Year
Testing, ity Program		Num	<u>School</u> 0 <b>0%</b>	°°°	d in this report:
A C T A A P Arkanses Comprehensive Testing, Assessment, and Accountability Program			Limited English Proficient	Migrant	The following groups are not included in this report. 1) 1st Year LEP students

# SCHOOL SUMMARY REPORT: GIFTED AND TALENTED STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as Gifted and Talented. Gifted and Talented students are included in the results for both the *Combined Population Report* and the *General Population Report*. A sample is provided on the opposite page.

The School Summary Report: Gifted and Talented Students provides school and district staff with summary information on how Gifted and Talented students in the school performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of Gifted and Talented students\* in the school is provided at the top of the page under the district name.
- The information provided for "Migrant" includes only those Gifted and Talented students who were also coded on their answer documents as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Gifted and Talented Students* can be used to compare the performance of Gifted and Talented students in the school with the performance of Gifted and Talented students at the district, region, and state levels.

\* First Year in a School in the U.S. LEP Student scores are not included in this report.

		udents <u>State</u> 3.237	89% 20 100%	
8		Number & Percent of Students Advanced (ADV) 250 and above <u>ol District Region Stat</u>		
Date of Test: April 2008 Page 5		nber & Per Advanc 250 ar <u>District</u> 10		
Date of Te Page 5		Nur School 10	100% 0%	
10	School	ents <u>State</u> 300	66°0	
DENTS	99-99-999 Arkansas High School	ent of Stude t (PRO) 249 <u>Region</u> 50		
D STUI	r∷ 99-99- Arkan	Number & Percent of Students Proficient (PRO) 200–249 200 0 50 300		
END-OF-COURSE EXAMINATION BIOLOGY SCHOOL SUMMARY REPORT: GIFTED AND TALENTED STUDENTS	School Number: 99-99-999 School Name: Arkansas	Numbe School 0	0%0 0	
MINATI	Sch Sch	ents <u>State</u> 80	2% 0%	
URSE EXA BIOLOGY F. GIFTED ,		Stud	2% 0%	
SOURS BIOI RT: GI	District	er & Percent of Basic (BAS) 146–199 <u>District Regic</u> 0 7	0% 0%	
END-OF-COURSE EXAMINATION BIOLOGY RY REPORT: GIFTED AND TALEI	District Number: <b>99-99</b> District Name: <b>Arkansas School District</b> Total Number of Students Tested: <b>10</b>	Numb School 0	0%0 0	
ENMMAR	<b>99-99</b> Arkansas Students <sup>¬</sup>	ents <u>State</u> 2	0% 0%	
OL SU	District Number: 99-99 District Name: Arkar Total Number of Studer	ent of Stud sic (BEL) I below <u>Region</u> 1	0% 0	
SCHO	District Numbe District Name: Total Number o	Number & Percent of Students Below Basic (BEL) 145 and below 2100 District Region Sta	0%0 0	
		Numb School 0	% <b>0</b> 0	
ACTAAP Arkansas Comprehensive Testing. Assessment, and Accountability Program		Gifted and Talented	Migrant	

# SCHOOL SUMMARY REPORT: HIGHLY MOBILE STUDENTS

The results in this section of the *School Summary Report* are for students who were identified on their answer documents as having enrolled in the school or moving between schools in the district after October 1, 2007. Highly Mobile students are included as part of the *Combined Population Report* but are not included in the *General Population Report*. A sample is provided on the opposite page.

The *School Summary Report: Highly Mobile Students* provides school and district staff with summary information on how Highly Mobile students in the school performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of Highly Mobile students\* in the school is provided at the top of the page under the district name.
- The information provided for "Migrant" includes only those Highly Mobile students who were also coded on their answer documents as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Highly Mobile Students* can be used to compare the performance of Highly Mobile students in the school with the performance of Highly Mobile students at the district, region, and state levels.
- \* First Year in a School in the U.S. LEP Student scores are not included in this report.

		lents	<u>State</u> 602 <b>31%</b>	20 %00%	
ω		Number & Percent of Students Advanced (ADV) 250 and above	<u>Region</u> 36 <b>32%</b>	2000%	
Date of Test: April 2008 Page 6		ber & Percent of St Advanced (ADV) 250 and above	District 2 <b>67%</b>	°°	
Date of Tee Page 6		Num	<u>School</u> 2 <b>67%</b>	°°°	
	99-99-999 Arkansas High School	nts	<u>State</u> 371 <b>19%</b>	°°°	
S	99 as High	of Studei PRO) 9	Region 28 <b>25%</b>	°°	
IDENT	99-99-9 Arkans	Number & Percent of Students Proficient (PRO) 200-249	District F 0 <b>0%</b>	°	
N ILE STU	School Number: 99-999 School Name: Arkansas	Number P	<u>School</u> 0 <b>0%</b>	°°	
MINATIC LY MOB	Scho Scho	ents	<u>State</u> 399 <b>20%</b>	°°	
E EXAI 0GY HIGH		nt of Stude (AS) 99	<u>Region</u> 22 <b>19%</b>	°°	
OURSE EX BIOLOGY PORT: HIG	trict	Number & Percent of Students Basic (BAS) 146–199	District 1 1 33%	°°°	
END-OF-COURSE EXAMINATION BIOLOGY SCHOOL SUMMARY REPORT: HIGHLY MOBILE STUDENTS	99-99 Arkansas School District Students Tested: 3	Numbe	<u>School</u> 1 <b>33%</b>	°°°	
EN L SUMM	District Number: 99-99 District Name: Arkansas School Total Number of Students Tested: 3	dents	<u>State</u> 590 <b>30%</b>	°°°	
ЮОНО	District Number: 99-99 District Name: Arkan Total Number of Studen	ent of Stuc sic (BEL) below	<u>Region</u> 27 <b>24%</b>	°°°	
Š	District Numbe District Name: Total Number c	Number & Percent of Students Below Basic (BEL) 145 and below	District 0 <b>0%</b>	°°	
e Testing, illity Program		dmuN	<u>School</u> 0 <b>0%</b>	o <sup>°</sup> 6	
Active Testing, Arkansas Comprehensive Testing, Assessment, and Accountability Program			Highly Mobile	Migrant	

# SCHOOL SUMMARY REPORT: FREE AND/OR REDUCED LUNCH STUDENTS

The results in this section of the *School Summary Report* are for students who were identified as receiving Free and/or Reduced Lunch. Students who receive Free and/or Reduced Lunch are included in the results for both the *Combined Population Report* and the *General Population Report*. A sample is provided on the opposite page.

The School Summary Report: Free and/or Reduced Lunch Students provides school and district staff with summary information on how students in the school who receive Free and/or Reduced Lunch performed on the *Biology End-of-Course Examination*. The following information is provided:

- The total number of students\* who receive Free and/or Reduced Lunch is provided at the top of the page under the district name.
- The information provided for "Non-economically Disadvantaged" includes only those students who were not identified as receiving Free and/or Reduced Lunch.
- The information provided for "Migrant" includes only those Free and/or Reduced Lunch students who were also coded on their answer documents as being Migrant students.
- In the columns on the *School Summary Report*, data are provided for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). The associated scale score range for each performance level is also provided. Results are provided in terms of the numbers and percents of students performing at each level in the school, district, region, and state. The first column on the report indicates which students are being reported on that particular line (row).
- The information listed on the *School Summary Report: Free and/or Reduced Lunch Students* can be used to compare the performance of students in the school who receive Free and/or Reduced Lunch with the performance of students who receive Free and/or Reduced Lunch at the district, region, and state levels.
- \* First Year in a School in the U.S. LEP Student scores are not included in this report.

Date of Test: April 2008 Page 7			idents	<u>State</u> 5,500 <b>31%</b>	1,555 <b>11%</b>	4 %
Date of Test: April 2008 Page 7			p	2 L	1,1	134 <b>26%</b>
Date of Test: April 2008 Page 7			of Stu \DV) ove		107 <b>16%</b>	3 14%
Date of Test: April Page 7			er & Percent of St Advanced (ADV) 250 and above			
Date of Té Page 7			Number & Percent of Students Advanced (ADV) 250 and above	District 7 24%	5 12%	0% 0
			Num	School 9 24%	5 12%	0% 0
	48	lo				
	ENTS	h Scho	dents	<u>State</u> 3,710 <b>19%</b>	8,805 <b>60%</b>	120 <b>24%</b>
	TUDE	99-99-999 Arkansas High School	Number & Percent of Students Proficient (PRO) 200–249	<u>Region</u> 328 <b>20%</b>	293 <b>44%</b>	9 41%
	CHS	School Number: 99-99-999 School Name: Arkansas	er & Percent of St Proficient (PRO) 200–249	8%	17 <b>40%</b>	0% 0%
	LUNG	ber: <b>9</b> e: <b>A</b>	nber & Pro	District 8 28%		
		ol Num ol Nam	Nur	School 8 28%	17 <b>40%</b>	0 <b>%</b>
	ATIO EDU(	Schoo		%	%	%
	AMIN SR RE		dents	<u>State</u> 3,500 <b>18%</b>	2,812 <b>19%</b>	90 <b>20%</b>
	E EX, OGY ND/C		nt of Stu {AS) 99	<u>Region</u> 338 <b>20%</b>	146 <b>22</b> %	6 23%
	T END-OF-COURSE EXAMINATION Jam BIOLOGY SCHOOL SUMMARY REPORT: FREE AND/OR REDUCED LUNCH STUDENTS	ct	Number & Percent of Students Basic (BAS) 146–199	<u>District</u> 5 17%	11 26%	0%0
	ER_CO	Distri	umber {		11 <b>26%</b>	0%0
		99-99 Arkansas School District Students Tested: 39	z	<u>School</u> 5 17%	56 26	0
	C EN	9 Insas S Ints Tes		ate 0 1%	3 1%	150 <b>30%</b>
	<b>IAR</b>	: 99-9 Arka	udents )	5, <u>900</u> 31%	1,573 <b>11%</b>	30 30 30
	NMU	lumber lame: nber of	ent of St sic (BEL below	Region 685 <b>41%</b>	114 17%	5 23%
	S TO	District Number: 99-99 District Name: Arkansas School D Total Number of Students Tested: 39	Number & Percent of Students Below Basic (BEL) 145 and below	District I 7 24%	9 21%	0% 0%
	CHO	<u>ה הי</u>	lumber ( Bel 1	<u>ol</u>		%
	esting, / Progra S		z	School 7 24%	9 21%	0 <b>0</b> %
	nsive Tr ntability					
$\leq$	nprehe Accou			peor	×	
	sas Cor ent, and			/or Redu	romicall taged	
	Arkansas Comprehensive Testing, Assessment, and Accountability Program SC			Free and/or Reduced Lunch	Non-Economically Disadvantaged	Migrant

#### SCHOOL PROFILE REPORT

The *School Profile Report* provides school and district staff with summary information on how students in the school performed on the *Biology End-of-Course Examination*.

Each school will receive two copies of the *School Profile Report*, and each district will receive one copy of the *School Profile Report*. The *School Profile Report* is a four-page booklet providing an overview of the school's results for the *Biology End-of-Course Examination*. District- and state-level data are also included so that student performance within the school can be compared with the performance of students at the district and state levels. A sample of the report is provided on pages 30–33.

The following information is provided on the School Profile Report:

- District and school information that reflects what was coded on the School/Course Header Sheet.
- Overall Results (Combined Population)
  - The Overall Results (Combined Population) table is located on page 1 of the School Profile Report.
  - The "Percent of Student Scores: Proficient and Advanced" bar graph shows the percent of students in the school who scored at Proficient and Advanced performance levels.
  - The "Percent of Student Scores in Performance Levels" bar graph shows the percent of students who scored at each of the four performance levels (Below Basic, Basic, Proficient, and Advanced) at the school, district, region, and state levels. The associated scale score range for each performance level is also provided.
- Results by Population Group and Results by Gender and Ethnicity
  - The "Results by Population Group" table is located on page 1, and the "Results by Gender and Ethnicity" table is located on page 2 of the *School Profile Report*.
  - The first column in the "Results by Population Group" table indicates the specific student population that is being reported on that particular line (row). With the exception of "Migrant Students," these groups can also be found on the *School Roster Report*. In the "Results by Gender and Ethnicity" table, information is provided by gender and by ethnicity.
  - The columns in the "Results by Population Group" and "Results by Gender and Ethnicity" tables provide data for each of the four performance levels (Below Basic, Basic, Proficient, and Advanced). Results are provided in terms of the numbers and percents of students performing at each performance level. The first column in the table indicates the specific student population that is being reported on that particular line (row).
  - The columns on the right side of the "Results by Population Group" and "Results by Gender and Ethnicity" tables provide the Mean Scale Scores, which are broken out by group for the school, district, and state.
- Note: Each district and the Arkansas Department of Education will receive one copy of the *District Profile Report*. The *District Profile Report* provides an overview of the district's results. The *School* and *District Profile Reports* are set up identically to one another, except that the district report does not include school data.

# SCHOOL PROFILE REPORT (CONTINUED)

- Performance on Multiple-Choice Items
  - The "Performance on Multiple-Choice Items" table is located on page 3 of the School Profile Report.
  - Each line (row) provides the strand name and description, the number of multiple-choice points possible, and data on the average number of items students answer correctly. The results are provided in terms of numbers and percents at the school, district, and state levels.
- Performance on Open-Response Items
  - The "Performance on Open-Response Items" table is located on page 3 of the School Profile Report.
  - Each line (row) provides the strand name, the number of open-response points possible, and data on the average number of items students answer correctly. The results are provided at the school, district, and state levels.
- Proficient and Advanced Performance History
  - The "Proficient and Advanced Performance History" bar graph is located on page 4 of the *School Profile Report*.
  - The "Proficient and Advanced Performance History" bar graph shows the number and percent of students in the school who scored at the Proficient and Advanced performance levels on the *Biology End-of-Course Examination* since January 2008.
- Performance Level Descriptors
  - The "Performance Level Descriptors" table is located on page 4 of the School Profile Report.
  - Each line (row) provides the performance level, the associated scale score range, and the performance level description.

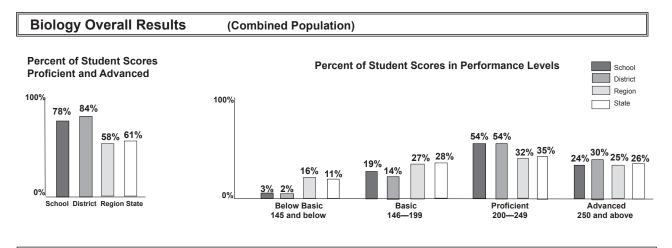


# SCHOOL PROFILE—BIOLOGY

Arkansas School District (99-99) District: School: Arkansas High School (99-99-999) Test Date: April 2008

# **END-OF-COURSE EXAMINATON** BIOLOGY

The Biology End-of-Course Examination was administered in April to students who have completed coursework in Biology. This School Profile provides a summary of your School's overall performance on this examination. Additional detail is provided in the accompanying School Level reports (Rosters, Summary Reports, and Item-by-Item Reports).



# **Results by Population Group**

The following table shows the number and percent at each performance level and the mean scale scores for students in each population group for your School, District, and the State.

	Belov	v Basic	Ba	asic	Prof	icient	Adv	anced	Mea	an Scale S	cores
Population Group	Number	Percent	Number	Percent	Number	Percent	Number	Percent	School	District	State
Combined Population <sup>1</sup>	2	3%	13	19%	37	54%	16	24%	221	229	213
Combined Population without Highly Mobile <sup>2</sup>	2	3%	12	18%	37	54%	16	24%	222	230	214
General Population <sup>3</sup>	0	0%	10	16%	36	59%	15	25%	226	233	220
Students with Disabilities	1	33%	0	0%	1	33%	1	33%	197	197	163
Non-Disabled Students	1	2%	13	20%	36	55%	15	23%	222	230	217
Limited English Proficient Students	1	33%	2	67%	0	0%	0	0%	162	162	181
1st Year LEP Students	0	0%	0	0%	0	0%	0	0%			180
Economically Disadvantaged Students⁴	2	6%	6	18%	20	59%	6	18%	213	222	198
Non-Economically Disadvantaged Students	0	0%	7	21%	17	50%	10	29%	229	235	226
Migrant Students	1	33%	1	33%	0	0%	1	33%	180	180	191

Notes:

<sup>1</sup> Combined Population includes all students tested except those classified as 1st Year LEP.
<sup>2</sup> Combined Population without Highly Mobile includes all students tested except those classified as 1st Year LEP or Highly Mobile.

<sup>3</sup> General Population does not include students who are classified as IEP, LEP, or Highly Mobile.

<sup>4</sup> Based on Free and/or Reduced Lunch.

# SCHOOL PROFILE—BIOLOGY

# **Results by Gender and Ethnicity**

The following table shows the number and percent of students in your School at each performance level for the Gender and Ethnicity Population Groups. More detailed data for these and other population groups and comparisons to District, Region, and State results can be found in your School Summary Reports.

	Below	Basic	Ba	sic	Prof	icient	Adv	anced	Mear	n Scale So	cores
Population Group	Number	Percent	Number	Percent	Number	Percent	Number	Percent	School	District	State
Combined Population	2	3%	13	19%	37	54%	16	24%	221	229	213
Gender											
Male	1	3%	5	16%	19	59%	7	22%	221	229	211
Female	1	3%	8	22%	18	50%	9	25%	221	228	215
Ethnicity											
Asian/Pacific Islander	0	0%	0	0%	1	100%	0	0%	224	224	226
African American	0	0%	0	0%	1	100%	0	0%	202	202	181
Hispanic	1	33%	1	33%	0	0%	1	33%	180	198	196
Native American	0	0%	1	50%	1	50%	0	0%	201	201	213
Caucasian	1	2%	11	18%	34	56%	15	25%	224	232	225

Note: 1st Year LEP students are not included in this summary.

# SCHOOL PROFILE—BIOLOGY

## Performance on Test Items

#### **Performance on Multiple-Choice Items**

The table below indicates the overall skill demonstrated by students on the multiple-choice items for each Biology strand.

Piology Strands		Average Number and Percent Correct					
Biology Strands	of Items	School		District		State	
Molecules and Cells Students will demonstrate an understanding of the role of chemistry in life processes, the structure and function of cells, and how cells obtain and use energy.	12	7.8	65%	8.2	68%	7.0	58%
Heredity and Evolution Students will demonstrate an understanding of heredity, investigate the molecular basis of genetics, and examine the development of the theory of biological evolution.	12	8.1	62%	8.5	65%	7.5	58%
Classification and the Diversity of Life Students will demonstrate an understanding that organisms are diverse.	12	8.6	71%	9.0	75%	7.3	61%
<b>Ecology and Behavioral Relationships</b> Students will demonstrate an understanding of ecological and behavioral relationships among organisms and of the ecological impact of global issues.	12	7.6	63%	8.0	66%	7.2	60%
Nature of Science Students will demonstrate an understanding that science is a way of knowing. They will further demonstrate an understanding of current life science theories; design and safely conduct a scientific inquiry to solve valid problems; use mathematics, science equipment, and technology as tools to communicate and solve life science problems; describe the connections between pure and applied science; and describe various life science careers and the training required for the selected career.	12	6.5	59%	6.8	62%	6.9	62%

#### Performance on Open-Response Items

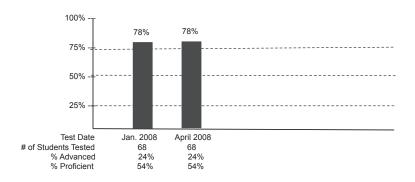
The table below indicates the overall skill demonstrated by students on the open-response items in Biology. Open-response items require students to write a response to a biology item.

Biology Strands	Possible	Average Points Scored			
Blology Strands	OR Points	School	District	State	
Molecules and Cells	8	2.4	2.6	2.2	
Heredity and Evolution	8	3.7	4.2	3.8	
Classification and the Diversity of Llfe	8	3.2	3.5	2.7	
Ecology and Behavioral Relationships	8	2.1	2.3	2.1	
Nature of Science	8	0.9	0.9	1.2	

# SCHOOL PROFILE—BIOLOGY

#### **Proficient and Advanced Performance History**

The following graph displays the number of students tested in your School and percent scoring at the Proficient or Advanced performance levels on the Biology End-of-Course Examinations since January 2008.



# **Performance Level Descriptors**

Performance Level	Score Range	Description
Advanced	145 and Above	Students display a comprehensive understanding of biological concepts, including the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. They are able to design and conduct scientific investigations which answer biological questions about real-world situations. These students are able to apply complex reasoning skills to make logical predictions and draw well-formulated conclusions.
Proficient	146—199	Students demonstrate a solid understanding of biological concepts, including the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. They are able to design and conduct scientific investigations, analyze data, and apply scientific principles to solve real-world, biological problems.
Basic	200—249	Students display knowledge of biological concepts, including some understanding of the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. They partially demonstrate the ability to apply this knowledge. They are able to conduct basic level scientific investigations, but demonstrate a need for additional assistance.
Below Basic	250 and Below	Students fail to show sufficient mastery of biology skills to attain the Basic level.

# SCHOOL ITEM-BY-ITEM SELECTIONS OF CORRECT ANSWERS REPORT

The *School Item-by-Item Selections of Correct Answers* report provides school and district staff with information on how students within a school performed on the released common items that contributed to individual student results. This report is intended for use in conjunction with the Released Item Booklets for the *Biology End-of-Course Examination* in order to examine school results for individual items. A sample is provided on pages 36 and 37.

Each school and each district will receive one copy of the *School Item-by-Item Selections of Correct Answers* report. The Arkansas Department of Education will also receive one copy of this report. The *School Item-by-Item Selections of Correct Answers* report provides the results for each item (multiple-choice and open-response). The first page of the *School Item-by-Item Selections of Correct Answers* report contains information to be used in conjunction with the released items, and the second page of the report contains information for items not released<sup>+</sup>. The *School Item-by-Item Selections of Correct Answers* report is produced for the same groups as reported on the *School Summary Report* with the exception of Free and/or Reduced Lunch Students. The following information is provided on the *School Item-by-Item Selections of Correct Answers* report:

- The number of students\* in the school for the reported group is provided under the school information.
- Released Items
  - Data for released items are located on page 1 of the School Item-by-Item Selections of Correct Answers report.
  - The first column (Item # in Test Booklet) provides the item number and the testing session that corresponds to where the item appeared in the student test booklets. This information can be used to review session information and to determine whether position within the testing schedule had an impact on student results.
  - The second column (Item # in Released Item Booklet) provides the item number that corresponds to where the item appears in the Released Item Booklet.
  - The third column (Item Type) describes the item type: multiple-choice (MC) or open-response (OR).
  - The fourth column (Key) provides the correct answer choice for all multiple-choice items. The open-response items indicate "Rubric," meaning that a scoring rubric was used to determine the student scores. The scoring rubrics for these items are provided in the Released Item Booklet.
  - For multiple-choice items, the remaining columns provide the number and percent of students who selected the correct answer at the school, district, and state levels. This information allows school and district staff to compare results for each multiple-choice item at the school level to district- and state-level results.
  - For open-response items, the remaining columns provide the average score attained by students at the school, district, and state levels. This information allows school and district staff to compare results for each open-response item at the school level to district- and state-levels results.
- <sup>+</sup> All items were released for the April 2008 administration of the *Biology End-of-Course Examination*. The "Items Not Released" section of this report is included only for the *Biology Mid-Year End-of-Course Examination*.
- \* First Year in a School in the U.S. LEP Student responses are not included in this report.

# SCHOOL ITEM-BY-ITEM SELECTIONS OF CORRECT ANSWERS REPORT (CONTINUED)

- Items Not Released<sup>+</sup> Biology Mid-Year End-of-Course Examination only
  - Data for items not released are located on page 2 of the *School Item-by-Item Selections of Correct Answers* report.
  - The number of students\* in the school for the reported group is provided under the school information.
  - The first column numbers the items for reference purposes only. These numbers do not correlate with numbers
    or positions of the items in the test booklets.
  - The second column (Item Type) describes the item type: multiple-choice (MC) or open-response (OR).
  - The third column (SLE) provides the strand, content standard, and student learning expectation associated with each non-released item.
  - For multiple-choice items, the remaining columns provide the number and percent of students who selected the correct answer at the school, district, and state levels. This information allows school and district staff to compare results for each multiple-choice item at the school level to district- and state-level results.
  - For open-response items, the remaining columns provide the average score attained by students at the school, district, and state levels. This information allows school and district staff to compare results for each open-response item at the school level to district- and state-level results.
- <sup>+</sup> All items were released for the April 2008 administration of the *Biology End-of-Course Examination*. The "Items Not Released" section of this report is included only for the *Biology Mid-Year End-of-Course Examination*.
- \* First Year in a School in the U.S. LEP Student responses are not included in this report.
- Note: Each district and the Arkansas Department of Education will also receive one copy of the District Itemby-Item Selections of Correct Answers report. The District Item-by-Item Selections of Correct Answers report provides individual item results for the April 2008 Biology End-of-Course Examination at the district and state levels. The School and District Item-by-Item Selections of Correct Answers reports are set up identically to one another except that the district report does not include school data.

Arkansas Comprehensive Testing, Assessment, and Accountability Program

# **END-OF-COURSE EXAMINATION** SCHOOL ITEM-BY-ITEM SELECTIONS **OF CORRECT ANSWERS BIOLOGY: COMBINED POPULATION** DATE OF TEST: JANUARY 2008

Page 1

	rict Number: ool Number:				Arkansas Arkansas	School District School				
Tota	al Number of S	Students Tested	: 38							
						ED ITEMS				
				Г	(ELEASI					
	Item #	Item #				Numb	per and Perce	nt Selecting the C	orrect Answer	
	In Test	In Released	Item		School	School	District	District	State	State
	Booklet	Item Booklet	Туре	Key	#	%	#	%	#	%
1	(Session B1)	1	MC	A	14	36.6%	14	36.6%	14,217	42.9%
2	(Session B1)	2	MC	A	20	76.7%	20	76.7%	23,370	71.8%
3	(Session B1)	3	MC	С	20	76.7%	20	76.7%	22,164	66.9%
4	(Session B1)	4	MC	В	28	73.7%	28	73.7%	25,555	77.2%
21	(Session B1)	5	MC	В	31	81.6%	31	81.6%	20,829	62.9%
6	(Session B1)	6	MC	A	28	73.1%	28	73.1%	16,627	50.2%
7	(Session B1)	7	MC	С	27	71.1%	27	71.1%	16,455	49.3%
8	(Session B1)	8	MC	D	26	68.4%	26	68.4%	19,499	58.9%
9	(Session B1)	9	MC	С	12	31.6%	12	31.6%	12,093	38.6%
22	(Session B1)	10	MC	Α	20	52.6%	20	52.6%	14,333	43.3%
11	(Session B1)	11	MC	D	9	23.7%	9	23.7%	14,630	44.2%
19	(Session B1)	12	MC	В	36	94.7%	36	94.7%	22,326	68.6%
13	(Session B1)	13	MC	В	16	42.1%	16	42.1%	16,451	49.9%
14	(Session B1)	14	MC	D	27	71.1%	27	71.1%	23,888	72.1%
23	(Session B1)	15	MC	D	26	68.4%	26	68.4%	21,028	68.2%
16	(Session B1)	16	MC	А	23	60.5%	23	60.5%	20,814	62.8%
17	(Session B1)	17	MC	С	35	92.1%	35	92.1%	20,324	83.7%
18	(Session B1)	18	MC	А	20	52.6%	20	52.6%	14,333	43.3%
12	(Session B1)	19	MC	D	35	92.1%	35	92.1%	23,894	72.1%
20	(Session B1)	20	MC	В	33	86.8%	33	86.8%	20,270	61.2%
24	(Session B1)	21	MC	D	20	76.3%	20	76.3%	20,963	63.3%
25	(Session B1)	22	MC	В	33	86.9%	33	86.9%	27,714	83.7%
26	(Session B1)	23	MC	С	32	84.2%	32	84.2%	19,454	58.7%
27	(Session B1)	24	MC	В	25	65.8%	25	65.8%	20,592	62.2%
28	(Session B1)	25	MC	D	34	89.5%	34	89.5%	18,233	55.0%
29	(Session B1)	26	MC	В	21	55.3%	21	55.3%	15,470	46.7%
30	(Session B1)	27	MC	С	28	73.1%	28	73.1%	24,711	74.6%
31	(Session B3)	28	MC	D	25	65.9%	25	65.9%	18,815	56.2%
32	(Session B3)	29	MC	А	26	68.4%	26	68.4%	18,200	56.0%
38	(Session B3)	30	MC	D	25	65.9%	25	65.9%	21,325	64.4%
39	(Session B3)	31	MC	А	30	79.9%	30	79.9%	18,484	55.7%
40	(Session B3)	32	MC	D	35	92.1%	35	92.1%	24,078	72.79
41	(Session B3)	33	MC	С	12	31.6%	12	31.6%	12,093	38.69
12	(Session B3)	34	MC	D	26	68.4%	26	68.4%	20,512	61.9%
13	(Session B3)	35	MC	В	12	31.6%	12	31.6%	12,093	38.69
14	(Session B3)	36	MC	В	16	42.1%	16	42.1%	14,802	44.79
45	(Session B3)	37	MC	A	9	23.7%	9	23.7%	14,630	44.29
57	(Session B3)	38	MC	A	16	42.1%	16	42.1%	14,802	44.79
58	(Session B3)	39	MC	С	20	52.6%	20	52.6%	14,333	43.3%
59	(Session B3)	40	MC	В	9	23.7%	9	23.7%	14,630	44.2%
60	(Session B3)	41	MC	В	12	31.6%	12	31.6%	12,093	38.6%

The following groups are not included in this report: 1) 1st Year LEP students

Arkansas Comprehensive Testing,

Assessment, and Accountability Program

# **END-OF-COURSE EXAMINATION** SCHOOL ITEM-BY-ITEM SELECTIONS **OF CORRECT ANSWERS BIOLOGY: COMBINED POPULATION** DATE OF TEST: JANUARY 2008

Page 2

District Number: 99-99 School Number: 99-99-999		: Arkansas School District : Arkansas School
Total Number of Students Tested: 3	8	

**ITEMS NOT RELEASED** 

	Number and Percent Selecting the Correct Answer							
	Item		School	School	District	District	State	StAte
	Туре	SLE*	#	%	#	%	#	%
1	MC	H5.9	14	36.6%	14	36.6%	14,217	42.9%
2	MC	M1.4	20	76.7%	20	76.7%	23,370	71.8%
3	MC	H5.6	20	76.7%	20	76.7%	22,164	66.9%
4	MC	N10.5	28	73.7%	28	73.7%	25,555	77.2%
5	MC	C7.4	31	81.6%	31	81.6%	20,829	62.9%
6	MC	H5.1	28	73.1%	28	73.1%	16,627	50.2%
7	MC	C7.8	27	71.1%	27	71.1%	16,455	49.3%
8	MC	E8.1	26	68.4%	26	68.4%	19,499	58.9%
9	MC	E8.4	12	31.6%	12	31.6%	12,093	38.6%
10	MC	H5.1	20	52.6%	20	52.6%	14,333	43.3%
11	MC	E9.3	9	23.7%	9	23.7%	14,630	44.2%
12	MC	M1.1	36	94.7%	36	94.7%	22,326	68.6%
13	MC	M1.9	16	42.1%	16	42.1%	16,451	49.9%
14	MC	H4.2	27	71.1%	27	71.1%	23,888	72.1%
15	MC	N11.5	26	68.4%	26	68.4%	21,028	68.2%
16	MC	H5.7	23	60.5%	23	60.5%	20,814	62.8%
17	MC	H4.2	35	92.1%	35	92.1%	20,324	83.7%
18	MC	M1.7	20	52.6%	20	52.6%	14,333	43.3%
19	MC	H5.3	35	92.1%	35	92.1%	23,894	72.1%
20	MC	C7.6	33	86.8%	33	86.8%	20,270	61.2%
21	MC	M1.6	20	76.3%	20	76.3%	20,963	63.3%
	Item					(411-0)		
 	Туре	SLE*		Schoo	•	ore of All Students District	s State	
1	OR	N19.4		0.5		0.5	2.5	
2	OR	M2.3		3.2		0.5	2.5	
3	OR	H4.1		0.4		0.5	2.5	

The following groups are not included in this report: 1) 1st Year LEP students.

\* SLE (Student Learning Expectation) is expressed as "S.CS.SLE", where

S = Strand CS = Content Standard

SLE = Student Learning Expectation

# PERFORMANCE LEVELS FOR THE 2008 BIOLOGY END-OF-COURSE EXAMINATION

# **D**EFINITIONS OF **PERFORMANCE** LEVELS

The general performance levels preamble for the ACTAAP states that the students must demonstrate their ability to be successful and productive citizens. Student performance is categorized into four levels of performance for the *Biology End-of-Course Examination*: Advanced, Proficient, Basic, and Below Basic. The general definitions of the performance levels are as follows:

# Advanced

Biology students performing at the advanced level display a comprehensive understanding of biological concepts, including the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. These students are able to design and conduct scientific investigations which answer biological questions about real-world situations. In addition, these students are able to apply complex reasoning skills to make logical predictions and draw well-formulated conclusions.

# Proficient

Biology students performing at the proficient level demonstrate a solid understanding of biological concepts, including the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. In addition, these students are able to design and conduct scientific investigations, analyze data, and apply scientific principles to solve real-world, biological problems.

# Basic

Biology students performing at the basic level display knowledge of biological concepts, including some understanding of the role of chemistry and cells in life processes, genetics, evolution, the diversity of life, and the ecological and behavioral relationships among organisms. These students partially demonstrate the ability to apply this knowledge. They are able to conduct basic level scientific investigations, but demonstrate a need for additional assistance to reach the proficient level.

# **Below Basic**

Below Basic students fail to show sufficient mastery of geometric skills to attain the basic level.



DEVELOPED FOR THE ARKANSAS DEPARTMENT OF EDUCATION, LITTLE ROCK, AR 72201