
Database Design and Applications

Databases are necessary to organize data and information in business. This event recognizes FBLA members who demonstrate that they have acquired entry-level skills for understanding database usage and development in business.

Competencies

This event is composed of two parts: an objective test and a production test.

Participants should be prepared to design multiple table databases (selection of tables, fields, and data types, ER diagrams, relationships); create tables and insert data into tables; develop single table SQL statements; develop multiple table SQL statements; and create forms/reports.

During the objective test, participants may be tested on their knowledge of data definitions, query development, table relationships (including those that enforce referential integrity), form development, terminology, SQL, advanced queries (joins, unions, and subqueries) and report generation.

Career Cluster(s):

Business, Management, and Administration; Information Technology

Business Education Curriculum Standard(s):

Computation, Information Technology

Region Eligibility

Each chapter may enter three (3) participants who are members of active local chapters and are on record in the Pennsylvania state and the FBLA-PBL national offices as having paid dues by January 31. If the region conference is scheduled before January 31, then dues must be paid prior to that conference date as established by the region and posted on the PA FBLA web site.

Participants are permitted to compete in this event one year only. Under no circumstances may a student repeat in this event.

The participant is required to take both the objective and production tests. Otherwise, the participant will be disqualified.

It is the responsibility of the:

local chapter adviser

- to pay membership dues for all competitors by the published region deadline and to register students through the PA FBLA online registration system by the published deadline.

region adviser

- to verify that membership dues of participants at the region conference comply with the deadlines listed above.

State Eligibility

The minimum number of competitors each region may enter is the first- and second-place winners who are members of active local chapters and are on record in the Pennsylvania state and the FBLA-PBL national offices as having paid dues by January 31 or prior to the region conference by the date posted on the PA FBLA web site.

The participant is required to take both the objective and production tests. Otherwise, the participant will be disqualified.

If the eligible winner(s) cannot attend the SLC, it is the responsibility of the:

local chapter adviser

to contact the region adviser about the student who will not be attending.

region adviser

- to contact the adviser of the next eligible competitor about participating at the State Leadership Conference.
- to notify the PA FBLA Executive Director/State Chairman of the change before the deadline date published at www.pafbla.org/importantdates.php, which is posted on the PA FBLA web site.

Region Procedure—Production Testing

The following procedures must be used:

1. The production tests will be provided to the school-site test administrator at each school. The Proctor Instructions, Proctor Script, Proctor Certification Forms, and Student Certification Forms will be provided.
2. **The local chapter adviser is not permitted to be the school-site administrator.**
3. One **continuous** hour will be allowed for the skills test at the school testing site. Additional time will be allowed for general directions, equipment set up, and warm up. Problems are weighted according to difficulty and may be completed in any order.
4. The region adviser, in consultation with the remaining local chapter advisers, must determine the procedure for returning the school-site tests to the region adviser.
5. Calculators, and all other reference materials, are not allowed on the school-site test.
6. Documents produced for this event must be prepared by the participant without help from the adviser or any other person.

Region Procedure—Objective Test

1. A one-hour written objective test will be administered on the day of the RLC based on the areas described in the Competencies section listed above and basic skills knowledge. All participants in this event must report at the event time listed in the program. **If a participant arrives after the objective test has begun, he or she will be admitted to the testing area and will be permitted to take the test in the remaining amount of time for the event. The participant will not receive any additional instructions from the event administrators.**
2. **The participant must comply with the PA FBLA Dress Code which can be found at www.pafbla.org/dresscode.php. If the participant does not comply, the participant will not be admitted to the testing area until he or she is in compliance.**
3. Participants must furnish their own No. 2 pencils and erasers. No other equipment or materials are permitted in this event.

State Procedure—School Site Testing

The following procedures must be used:

1. The region adviser must submit the names of the RLC eligible winners on the Regional Winners Reporting Form to the PA FBLA Executive Director/State Chairman. The school-site test administrator for each eligible winner must be listed on the Regional Winners Reporting Form. **The local chapter adviser is not permitted to be the school-site administrator.**
2. The PA FBLA Executive Director/State Chairman will mail the school-site testing materials directly to the test administrator. It is the responsibility of the local chapter adviser to make the test administrator aware that he or she is to receive, administer, and return these tests in the proper pre-addressed envelope by the deadline date to the PA FBLA Executive Director/State Chairman. The chapter adviser is to provide no assistance in this process.

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3. If at any time during this process it is determined that the student will not be taking the test, the test administrator must return the unopened test package **within five working days** to the PA FBLA Executive Director/State Chairman. The PA FBLA Executive Director/State Chairman will mail the test package to the next eligible participant.
 4. One **continuous** hour will be allowed for the skills test at the school testing site. Additional time will be allowed for general directions, equipment set up, and warm up. Problems are weighted according to difficulty and may be completed in any order.
 5. Calculators are not allowed on the school-site test.
 6. Documents produced for this event must be prepared by the participant without help from the adviser or any other person.

State Procedure—Objective Test

1. A one-hour written objective test will be administered at the SLC based on the areas described in the Competencies section listed above and basic skills knowledge. All participants in this event must report at the event time listed in the program. **If a participant arrives after the objective test has begun, he or she will be admitted to the testing area and will be permitted to take the test in the remaining amount of time for the event. The participant will not receive any additional instructions from the event administrators.**
2. **The participant must comply with the PA FBLA Dress Code which can be found at www.pafbلا.org/dresscode.php. If the participant does not comply, the participant will not be admitted to the testing area until he or she is in compliance.**
3. At the State Leadership Conference, the chapter adviser must confirm students' participation in the event. Participants who are not confirmed will be disqualified.
4. Participants must furnish their own No. 2 pencils and erasers. No other equipment or materials are permitted in this event.

Region and State Judging

This event will be scored in the following manner:

- 15% objective test score
- 85% production test (school-site test) score

Judging of the school-site test will be based on the participant's printed copy. A panel of judges will evaluate the documents, and all decisions of the judges are final.

At the Regional and State Conferences, the following tiebreaker policy will be as follows:

All objective tests will be graded through the online test service. If there is a tie between competitors, the last ten (10) test questions will be compared and the individual/team with the highest number of correct answers will be ranked higher. The process will continue in groups of ten (10) questions until the tie is broken. If, after reviewing the entire test, the tie cannot be broken, the individual/team submitting the test in the least amount of time will be ranked higher.

Tiebreaker implementation examples can be found in this handbook or at www.pafbلا.org/tiebreakers.php.

Region Awards

Each region may decide the number and type of awards to be presented at the RLC.

State Awards

The state chapter will present a maximum of ten (10) awards at the State Leadership Conference.

National Conference Eligibility

The first- and second-place award winners at the State Leadership Conference are eligible to attend the National Leadership Conference. Advisers and participants should refer to the latest edition of the National Chapter Management Handbook for official National Leadership Conference event guidelines.

In the event that the first- or second-place winner cannot attend, it is the responsibility of the:

local chapter adviser

- to contact the PA FBLA Executive Director/State Chairman about the student who will not be attending.

PA FBLA Executive Director/State Chairman

- to contact the next eligible award winner about participating at the National Leadership Conference.

USE THE FOLLOWING METHOD TO DETERMINE THE FINAL
SCORE FOR THIS COMPETITOR

Database Design and Applications

Total Points Received on the Production Portion	_____	
Multiplied by	x	.85
Equals Final Score on Production Test		(a) _____
Objective Test Score	_____	
Multiplied by	x	.15
Equals Final Score on Objective Test.....		(b) _____
ADD (a) AND (b) FOR FINAL SCORE.....		(c) _____

Names: _____

Region: _____ School: _____

Judge's Signature: _____ Date: _____

Judge's Comments:

VERIFICATION & INITIALS
(scores checked for accuracy)

Co-Competitive Events Coordinator _____

Chief Administrator _____

Official Checker _____