

Gronlund Objectives

“The focus should be on the learning outcomes attained by the students. The objectives should direct attention to the student and to the types of behavior he/she is expected to exhibit as a result of the learning experience. Our focus shifts from the teacher to the student and from the learning process to the *learning outcomes*.” *Norman Gronlund*

When writing an objective, the following criteria help clarify and focus the learning:

1. The objective provides direction for the instructor. Specify clear instructional intent so it can be used to guide instructional design and assessment.
2. The objective serves as a guide for the students' learning activities and may be conveyed to them.
3. The objective must be stated in terms of student behaviors, not teacher behaviors, clearly stating what the student should be able to do at the end of the instruction.
4. The objective should state only one type of learning outcome rather than compound outcomes.

Examples

Uses appropriate experimental procedures in the lab setting.
Identifies important dates, events, and people in the Battle of Gettysburg.
Creates a 16 measure song including appropriate meter, melody, and notation.
Categorizes polynomials according to their characteristics.

Write five objectives using this format.

1. _____

2. _____

3. _____

4. _____

5. _____

Mager Objectives

Robert Mager type objectives should include three parts:

1. Conditions under which you expect the behavior to occur.
 - Given a set of 10 two-digit multiplication problems and without a calculator
 - Given a dictionary . . .
 - Given a list of 20 spelling words . . .
2. State the terminal behavior you wish to see.
 - . . . a student will correctly complete the problems . . .
 - . . . a student will alphabetize the words . . .
 - . . . a student will correctly spell . . .
3. State the criterion for acceptable achievement.
 - . . . with 8 out of 10 correct within 15 minutes.
 - . . . with a minimum of two errors.
 - . . . not less than five pages with a minimum of three spelling errors.

Examples

Given six different types of quadrilaterals, the student will create a Venn diagram classifying the shapes by characteristics of sides and angles with five of six shapes correctly classified.

Given a list of ten sentences and sentence fragments, the student will correctly identify the sentences and fragments with not less than eight out of ten correct in ten minutes.

Given a collection of ten different types of minerals, the student will correctly identify the type of mineral with not less than eight out of ten correct.

Write five objectives using this format.

1. _____

2. _____

3. _____

4. _____

5. _____
