

ONE ACTIVITY/PROJECT THAT COULD BE SHARED WITH ELEMENTARY LEARNERS:

GOAL 1: Use Basic Communication and Mathematics Skills

Academic Expectation 1.8: Students gather information and communicate ideas by **measuring**.

A. One Sample Instructional Activity/Project for Elementary Learners that Incorporates this Academic Expectation Could Be:

Construct a paper kite from dimensions defined in a book on kite construction. Use ruler, yardstick, tape measure and protractor to establish lengths and angles.

B. Ways Students with Moderate or Severe Disabilities May Demonstrate this Academic Expectation within this Sample Class Activity:

- (1) Given a point on a line, the student will measure a given distance and place another point on the line that distance away from the first point (measure to 1" intervals).
- (2) The student will accurately measure and construct a line from 1/2" to 12" at any 1/2" interval.
- (3) The student will point to a specific numeral on the ruler in response to a peer request.
- (4) The student will measure the length of a piece of wood using a yardstick.
- (5) The student will appropriately answer the question, "What do you do with a ruler?"

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B. Ways Students with DIVERSE EDUCATIONAL ABILITIES AND INSTRUCTIONAL NEEDS Could demonstrate this Academic Expectation within this Sample Class Activity:

- (1) The student will accurately cut along a 12" line which is drawn with a 1/4" wide marker. [TARGETED SKILLS: basic motor skill, basic behavior skills] {COACH: COMMUNICATION #7;SOCIALIZATION # 19; SELECTED ACADEMICS #42, #44, #45, #46; SCHOOL #67}
- (2) The student will use watercolors to decorate the paper kite. [TARGETED SKILLS motor skills, critical recreation /leisure activities] {COACH: COMMUNICATION #7, SOCIALIZATION #19, SELECTED ACADEMICS #41, #42, #44, #45, #46; SCHOOL #65, #67}
- (3) The student will use her personalized stamp to put her name on her kite. [TARGETED SKILLS: basic motor skills] {COACH: SELECTED ACADEMICS #49}

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ONE ACTIVITY/PROJECT THAT COULD BE SHARED WITH MIDDLE SCHOOL LEARNERS:

GOAL 1: Use Basic Communication and Mathematics Skills

Academic Expectation 1.8: Students gather information and communicate ideas by **measuring**.

A. One Sample Instructional Activity/Project for Middle School Learners that Incorporates this Academic Expectation Could Be:

Recreate the navigational technology used by the early explorers of the New World. Construct a globe with documentation of the navigational activities of the explorers. Master measuring instruments used in that period and those used today to measure distance, longitude, and latitude.

A. One Sample Instructional Activity/Project for Middle School Learners that Incorporates this Academic Expectation Could Be:

- (1) The student will use a template to measure and then cut pieces of newsprint into three-inch squares to be used to construct the globe (paper mache).
- (2) The student will use a tape measure to measure the circumference of the globe to the nearest inch.
- (3) The student will state which of two pieces of paper is longer.
- (4) The student will accurately answer the question, "Is this piece of paper three inches long?" when a peer manipulates the paper and ruler to measure the paper.
- (5) Given two jars of paint, the student will point to the jar that has more paint.
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C. Ideas for Providing Students with DIVERSE EDUCATIONAL ABILITIES AND INSTRUCTIONAL NEEDS Opportunities to Practice Basic Skills and Critical Activities Found on their IEPs While Participating in this Class Activity:

- (1) The student will verbally describe the process of constructing the globe, when she is given a series of photographs of the construction process. [TARGETED SKILLS: basic communication skills] {COACH: COMMUNICATION #10, #11}
- (2) The student will react by exhibiting change in activity, expression, and vocalization to interaction and proximity with peers as they construct the globe. [TARGETED SKILLS: social skills, communication skills] {COACH: SOCIALIZATION #13, #14, #17 SELECTED ACADEMICS #41, #42, #43}
- (3) The student will graciously accept assistance from a peer while constructing the globe. [TARGETED SKILLS: basic social skills] {COACH: SOCIALIZATION #19}
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ONE ACTIVITY/PROJECT THAT COULD BE SHARED WITH HIGH SCHOOL LEARNERS:

GOAL 1: Use Basic Communication and Mathematics Skills

Academic Expectation 1.8: Students gather information and communicate ideas by **measuring**.

A. One Sample Instructional Activity/Project for High School Learners that Incorporates this Academic Expectation Could Be:

Work with a developer to propose plans to subdivide a piece of property with differing home densities, road placements, and lot designs. Construct a model of the proposed subdivision..

B. Ways Students with Moderate and Severe Disabilities May Demonstrate this Academic Expectation within this Sample Class Activity:

- (1) The student will measure the distance between two points on the plan to the nearest 1/2 ".
- (2) The student will measure and record a given distance using a rotary analog distance measuring device.
- (3) The student will use a circular -faced watch to determine how many minutes it takes to walk around the proposed subdivision.
- (4) The student will measure 100 feet using a 10 foot tape measure.
- (5) The student will point to the numerals on a ruler as a peer counts 1 - 12.

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C. Ideas for Providing Students with DIVERSE EDUCATIONAL ABILITIES AND INSTRUCTIONAL NEEDS Opportunities to Practice Basic Skills and Critical Activities Found on their IEPs While Participating in this Class Activity:

- (1) Using a ruler as a number line, the student will state the answers to subtraction problems with numbers 1 - 12. [TARGETED SKILLS: functional academic skills] {COACH: SELECTED ACADEMICS #47, #51, #52}
- (2) The student will be a successful group member of a small group assigned to stake out and encircle a 100' x75' lot with surveyors' tape. [TARGETED SKILLS: social skills] {COACH: SOCIALIZATION #19, #20; SCHOOL #65}
- (3) The student will walk on uneven terrain for ten minutes with a peer holding her hand. [TARGETED SKILLS: motor skills, social skills] {COACH: SOCIALIZATION #18, #19}

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MORE IDEAS AND EXAMPLES:

GOAL 1: Use Basic Communication and Mathematics Skills

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General Demonstrators of this Academic Expectation which May Appropriate for students with DIVERSE EDUCATIONAL ABILITIES AND INSTRUCTIONAL NEEDS and Might be Adapted to a Variety of Age-Appropriate Activities or Projects:

The student will:

- (1) Point to numeral on clock face when numeral given verbally.
- (2) State if small hand is before or after the given hour.
- (3) Measure and state the lengths of strips of paper cut at 1/2" interval (1/2" - 12") using a ruler.
- (4) Read digital time from a digital clock.
- (5) Count sets of nickels and pennies from 1 to 25 cents.
- (6) Count sets of dimes from \$.10 to \$1.00.
- (7) Read a vertical thermometer and state if she needs a sweater or coat to go outdoors,
- (8) Set a circular faced alarm clock for a given wake-up time.
- (9) Set time on a digital clock.
- (10) Set time to the minute on a circular faced clock.
- (11) Cut a strip of paper to a length of a model (template).
- (12) Estimate the length of a line 1"-12".
- (13) Use a measuring cup to measure one cup of water.
- (14) State her weight using a digital scale.
- (15) Use a tape measure to measure the width of a window.
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- (17)
- (18)
- (19)
- (20)

If You Are Using COACH-2,* The following COACH Activities Might Fall within this Academic Expectation:

SELECTED ACADEMICS: #51 Counts with correspondence.

* Giangreco, M.F., Cloninger, C.J., & Iverson, V.S. (1998). Choosing options and accommodations for children: A guide to planning inclusive education, 2nd Edition. Paul H. Brookes: Baltimore.