

EXAMPLE FOR ELEMENTARY LEARNERS:

GOAL 1: Use Basic Communication and Mathematics Skills

Academic Expectation 1.16: Students use computers and other technology to gather, organize, manipulate, and express information and ideas.

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

Small groups of students will work together using CD-ROM to create a visit to a zoo with pictures and written information on the natural habitat of each animal. Students will use the electronic encyclopedia and the Internet to gather information about zoo animals.

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

- (1) Working with a peer, the student will make choices regarding which pictures of animals she chooses to uses in their presentation.
- (2) The student will use an adapted keyboard and word processing software to copy a description of the habitat that she dictated to a peer .
- (3) The student will activate the program to navigate the CD-ROM "Visit to the Zoo."
- (4) The student will listen to a peer reading from the electronic encyclopedia about an animal of his choice.
- (5) The student use a mouse to choose and click on a choice to direct the computer program to an animal of interest.
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- (9)
- (10)

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 return her head to midline in an upright position within ten seconds when reminded by a friend when viewing items on the CD-ROM. [TARGETED SKILLS: motor skills, communication skills] {COACH: COMMUNICATION #7}
- (2) The student will work with a peer at the computer for 15 minutes without putting her hands into her mouth [TARGETED SKILLS: behavior skills, social skills] {COACH: SOCIALIZATION #18}
- (3) The student will point to the appropriate picture symbol on her communication board to answer the question, "What animal is this?" [TARGETED SKILLS: basic communication skills, functional academic skills] {COACH: COMMUNICATION #7, #10; SELECTED ACADEMICS #42, #46, #47}
- (4)
- (5)

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

GOAL 1: Use Basic Communication and Mathematics Skills

Academic Expectation 1.16: Students use computers and other technology to gather, organize, manipulate, and express information and ideas.

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

Create a data base to record information and critical observations about various recreational software/games including issues of use of violence, quality of graphic display, and accessibility and appropriateness for teens with disabilities.

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

- (1) The student will operate a computer game using a single switch adaptation.
- (2) The student will use a "mouse" to make choices on an interactive age-appropriate instructional software.
- (3) The student will use traditional hardware to access and play a number of age-appropriate video games
- (4) The student will dictate a critique/evaluation of the games tested.
- (5) The student will choose the game he likes the most after having the opportunity to play five different video games.

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 stay on task for ten minutes while interacting with a computer game with no more than three verbal redirections. [TARGETED SKILLS: behavior skills, functional academic skills] {COACH: COMMUNICATION #7; SOCIALIZATION #19; SELECTED ACADEMICS, #42, #46, #55; SCHOOL #67}
- (2) Given the titles of five computer games on flashcards, the student will correctly read the name of each game. [TARGETED SKILLS: functional academic skill] {COACH: SELECTED ACADEMICS #42, #47, #48}
- (3) The student will go to the video store with a peer, choose a video game, and rent the video. [TARGETED SKILLS: communication skills, social skills, critical community activities] {COACH: COMMUNICATION #2, #5, #7; SELECTED ACADEMICS #42, #44; COMMUNITY #73, #76}
- (4)
- (5)

ONE ACTIVITY/PROJECT THAT COULD BE SHARED WITH HIGH SCHOOL LEARNERS

GOAL 1: Use Basic Communication and Mathematics Skills

Academic Expectation 1.16: Students use computers and other technology to gather, organize, manipulate, and express information and ideas.

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

Students will compare the exploration being conducted by NASA using the Hubbell Telescope with the exploration being conducted by earthbound observatories. Students will access various CD-ROM, telecommunication resources and electronic resource sites to develop a multimedia presentation.

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

- (1) The student will take photographs of his peers at work on this research project regarding astronomical observation.
- (2) The student will use a graphic design software to develop background designs for explanatory text within his classmates' multimedia presentation.
- (3) The student will use a telescope to look at stars and planets with a peer in the evening at home.
- (4) The student will go to the library with a peer, and make copies of newspaper and magazine articles on the Hubbell launch and progress.
- (5) The student will follow written directions on how to access the NASA web site using the computer Internet access in the school library.

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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 arrange with a peer to have the peer come to his home in the evening and use a telescope to explore the planets and stars. [TARGETED SKILLS: communication skills, social skills, critical recreation/leisure activities] {COACH: COMMUNICATION #3, #8; SOCIALIZATION #13, #14, #15, #19; LEISURE/RECREATION #40}
- (2) The student will make a presentation to his peers about using his telescope at home. [TARGETED SKILLS: communication skills] {COACH: COMMUNICATION #8, #9, #10, #11}
- (3) The student will make a drawing from a model and/or illustrations of the Hubbell Telescope. [DOMAIN: recreation //leisure // TARGETED SKILLS: motor skills, critical recreation/leisure,] {COACH: COMMUNICATION #7; SOCIALIZATION #19; SELECTED ACADEMICS #42, #44, #45, #46; SCHOOL #67}

(4)

(5)

MORE IDEAS AND EXAMPLES:

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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) Operate scanning software accurately using a single switch to interact with a computer activity.
- (2) Use TTD to send and receive a telephone message
- (3) Use a calculator to add a list of prices
- (4) Use a calculator with an allotted amount to spend to deduct sales tax, each purchase, and then determine if he has enough money to make all purchases.
- (5) Use an on-off switch, volume, and tuning to independently operate a radio.
- (6) Independently complete an individualized task analysis to operate a VCR.
- (7) Use a camera to take pictures of peers.
- (8) Use an adapted keyboard and word processing software to copy a story dictated to a peer .
- (9) Using a stick held in his more able hand, find and strike the keys to write his name.
- (10) Complete each step in a teacher developed task analysis for accessing the Internet, with no more than verbal prompts from a peer.
- (11) Independently complete all steps to print item from computer.
- (12) Use a remote control unit to turn a TV on and off.
- (13) Find a requested channel on a variety of TV sets.
- (14) Use a manual control to operated an electric wheelchair.
- (15) Use a pressure switch to activated a radio.
- (16)
- (17)
- (18)
- (19}
- (20)

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

* 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.