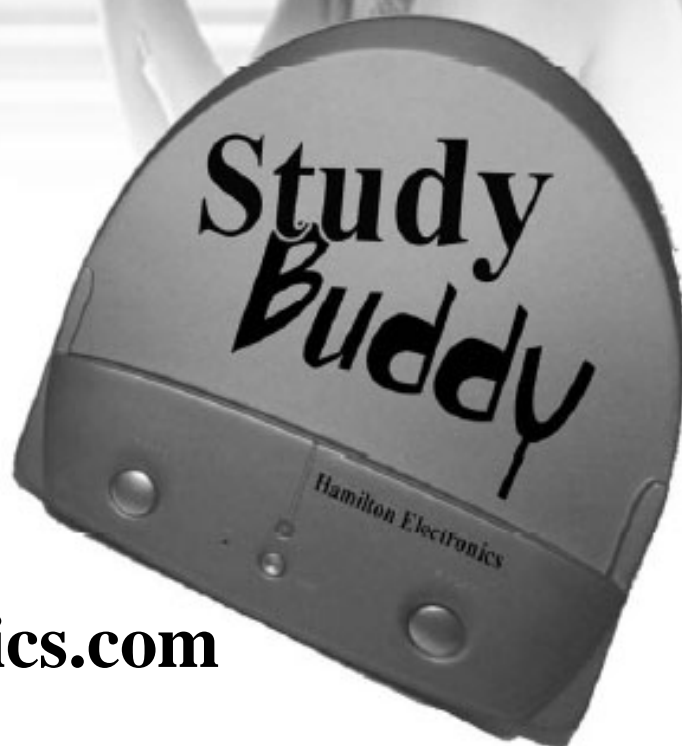


Hamilton™
E L E C T R O N I C S

**Study
Buddy**



User Manual and
Curriculum Guide



www.HamiltonElectronics.com

ABOUT YOUR STUDY BUDDY

Your talking Study Buddy will allow you to create seventy two 10 second individual talking cards. A hidden record lock switch in the battery compartment protects teachers recordings from accidental student erasure. It can easily be moved to record mode when creating activities where student voice recording is part of the activity.

INSTALLING BATTERIES

Your Study Buddy requires 3 AAA batteries not included. Simply remove cover on back and insert batteries as pictured. When the voice weakens during playback or the red light starts flashing replace batteries. Use only fresh batteries, do not mix old and new.

RECORDING A MESSAGE ON A CARD

In the battery compartment slide the REC/LOCK switch to record. Take any card from your kit and slide into Study Buddy with black holes facing down. A fresh unused card will flash green once. Using a pen press the (small) record button when the red light comes on you can record for 10 seconds. Hold the internal microphone close to you mouth for best results. To create messages shorter than 10 seconds press play button to stop recording. Recording will automatically stop after 10 seconds and you will hear your message play back automatically. You can easily record a new message over an old one so cards can be used over and over.

PLAYING A MESSAGE ON A CARD

Insert the card into the Study Buddy and it will play automatically. Press the play button to play over and over.

ERASING AN EXISTING CARD

Simply insert the card and press record.

PROTECTING THE RECORDER MESSAGE FROM ERASUR

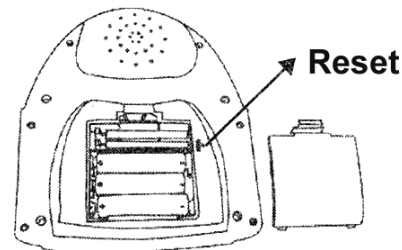
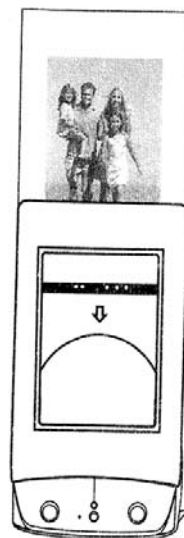
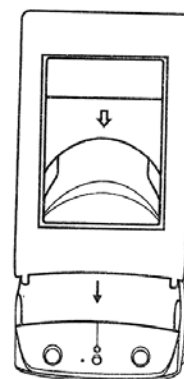
After recording you cards remember to move the REC/LOCK switch in the battery compartment to LOCK

RESETTING

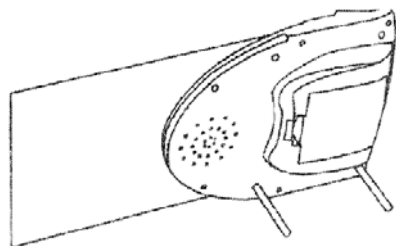
If the unit does not function properly press the reset button on the back of unit using a paperclip. This will re-initialize the unit.

STANDING THE UNIT

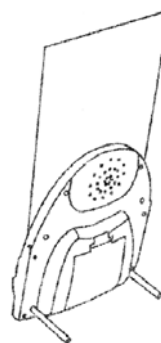
In the battery compartment there are two metal rods that will allow you to stand the Study Buddy vertically or horizontally.



Two metal rods stored inside battery compartment



Stand Horizontally



Stand Vertically

Study Buddy



TEACHERS

With this simple to use device teachers can create original customized curriculum materials for their classroom. Now teachers can easily create a lesson or activity in minutes meeting the needs of individual or small groups of students. Using photos, graphics and original artwork that is prepared on our special x by x re-useable cards. Teachers can record voice instruction that is unique for each card. By combining voice and graphic the student learner can work independently with the card sets on a variety of topics assignments that students can work on individually or in small groups.

STUDENTS

Students can also use the Study Buddy as an individual learning tool. Students can create their own stories and projects using photos, magazines and their own drawings.. Teachers can create unique class assignments that students can work on individually or in small groups

PARENTS

Parents can work with children on dozens of talking projects. Take home Study Buddy homework assignments can be fun and motivational. Family histories can be recorded on Study Buddy cards and shared with family, classmates and friends.

WRITE ON WIPE OFF ACTIVITIES

Using special white board markers all activities can be turned into write on wipe off activities using our plastic laminated re-useable cards. Add a new dimension to existing activities like flash cards, work books, magazines and more by making them interactive.

Study Buddy

The Study Buddy by Hamilton Electronics is an easy-to-use device that enables its user to record up to 72 different commands, questions or notifications. Activities can be created with anywhere from 1 to 72 cards. With young children try activities with 5-10 cards. Perfect for station learning, the Study Buddy can be used as a motivation, an incentive or a teaching tool in classrooms from pre-K through high school. The Study Buddy's 10 second playback allows you to record or have students record their own voices to reinforce learning and differentiate instruction.

WHO AM I...

Set the record button in the battery compartment to record. Allow six (or more) students take the Study Buddy home for the weekend with 5-10 blank cards. Tell the student to draw or collect photos of his family and create an introduction to his family and home. Demonstrate the type of sequencing you would like to see. When the student returns review the cards one on one, make necessary adjustments and corrections as required.

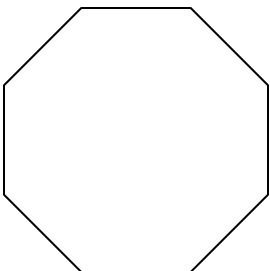
Share the project with other students by placing the Study Buddy in a learning area where other students can visit during the day to learn more about the student and his family.



Sample recording: This is my grandmother and me. She is almost 88 years old! We play cards together and make soup and muffins.

SHAPES

The teacher should create individual cards with different shapes. Record the names of the shapes for each card. Create a one page work sheet showing all shapes and a blank line for the student to write the name of the shape. Allow a student to work independently to listen over and over to the cards until they can fill in the worksheet without the aid of the cards.



Sample Recording: This is an **octagon**.

ANIMALS

The teacher should create individual cards with different animals on them. Record the names of each animal. Create a one page work sheet showing all the animals and a blank line for the student to write the name of the animal. Allow a student to work independently to listen over and over to the cards until they can fill in the work sheet without the aid of the Study Buddy. For more advanced students, the worksheet could include a sample habitat for each animal and the student would match the animal to its appropriate habitat.



Sample Recording: This is a **tiger**. It is found in the jungle.

MATH FLASH CARDS

The teacher should create several flash cards with math problems on them. Recorded on the Study Buddy should be the answers to each flash card. When the student inserts the flash card into the study buddy, they will hear the answer. The student should copy down the equation and the answer. The activity should be repeated until the student can answer the equations without the aid of the Study Buddy.

$$4+1=$$

Sample Recording: Four plus one equals five.

This is an excellent application to use wipe off pens

STREET SIGNS

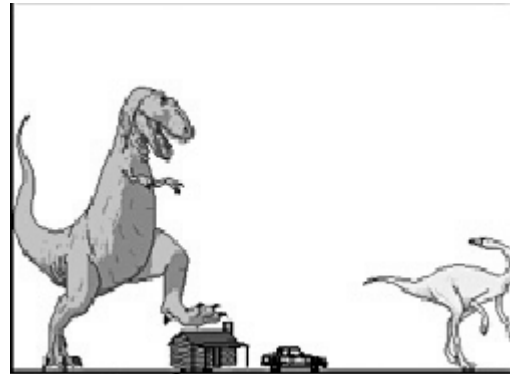
The teacher can create cards using recognizable street signs that the students will encounter in everyday life. As the students insert the cards into the Study Buddy, they will hear the name of the sign and what to do when they see it. Accompanying worksheet could include matching the signs to the commands, drawing the sign for the given command or writing what command goes with a given sign.



Sample Recording: This is a **stop sign**. You should always stop and look both ways.

STORY WRITING

Set the record button in the battery compartment to record. The teacher should create a series of pictures on the flash cards. At a station, students will have a chance to record a story based on the series of pictures. They will demonstrate recognition of beginning, middle and end of a story. The teacher can then listen to the stories created by students and conference with them individually or the students can share their stories out with the rest of the class.

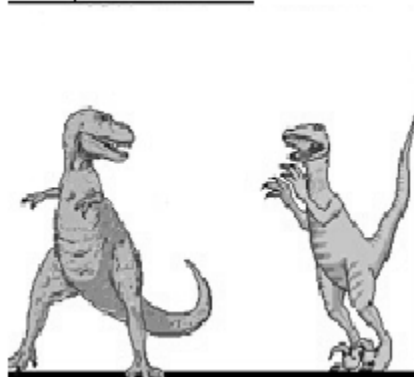


Sample Student Recording: "I want to scare somebody!"
"Hey, Joe, what should we do today?"

"Hahahaha... I'm going to pretend to stomp on
this house and scare the people!"



"Ahhhhhhhh!!!!"



"Hey, that wasn't nice, you really scared me!"



"I guess that's what I get..."

VOCABULARY

Teacher-Driven

On the card, write a new vocabulary word. Record the word and the definition on the Study Buddy. When the student inserts the card, they will hear the name of the word and the definition and write them down on an accompanying worksheet. This activity should be repeated until the student knows the definition without the aid of the Study Buddy.

Student-Driven

Set the record button in the battery compartment. Each card will have a previously learned vocabulary word on it. For each word, the student should say the word and the definition. The teacher can then listen to the cards and have individual follow-up meetings with students or have a group lesson on commonly mistaken words and definitions.

Exacerbate

Sample recording: exacerbate; definition:
intensify, inflame, worsen.

SORTING

Set the record button in the battery compartment. Each student gets 3-5 cards to take home with their Study Buddy. This activity should be used after a lesson in sorting. Each student will be assigned a category and be challenged to take home their cards and find magazine clippings, photos or anything else that they feel fits the category. On the recording, students should say what it is they chose and why it fits into the category they were assigned.

Category: Things at a Picnic



Sample Student Recording: “Ants. You can always find ants at picnics because they like to eat the food.”

FOREIGN LANGUAGE LEARNING

Teacher creates a series of cards with words in English as well as in a second language. On the recording, the word is pronounced in the foreign language and the definition is given in the native language. This is good for English language learning students who are new to the English language, as well as students who speak English and are wishing to increase their vocabulary in another language.

Casa (Spanish) Home (English)

Sample Teacher Recording: Casa means home in Spanish.

SCHEDULING

Parents and teachers alike can use the Study Buddy for this purpose. On each card, make a representation of different types of the day (eg. Morning routine, getting ready for school, what to do afterschool, homework), or days of the week. The cards can be programmed to give the child specific directions for what to do at each time of the day or on the specific day.

When the child inserts their card, they will remember what they are supposed to do, creating a routine that is easy to follow.

For the older student, cards can be made for each class that the student attends. One side of the card can represent what should be done at the beginning of the class and the alternate side of the card can be used for the student or teacher to record their homework for the next day.

TUESDAY

Sample Recording: “Today is Tuesday. I have to buy my lunch in the cafeteria and after school, I ride with Tommy’s dad to basketball practice.”



Sample Recording: When I wake up, I have to remember to brush my teeth, get dressed and grab my lunch out of the fridge.

TESTING

The Study Buddy can be used to help non-reading students take quizzes and tests that they would otherwise not be able to read. On the card should be the question that the student is to answer and recorded should be the question read aloud as well as multiple choice answers, if applicable. The student will then be able to turn the card over and record the answer on the opposite side of the question. Higher functioning students can write their answer.

In the equation $2x + 3 = 4$, solve for x .

- A) 4
- B) 10
- C) 0.5
- D) 1.5
- E) 8

Sample Recording: Side 1: “In the equation $2x + 3 = 4$, solve for x .
A-4, B-10, C-0.5, D-1.5 or E-8”

Sample Student Recording: Side 2:
“C, 0.5”

Station Learning

When using stations, it is sometimes difficult for one person to man each station. Using the Study Buddy the teacher can prerecord instructions, based on what should be happening at the station that day. The Study Buddy would stay posted at a station and the students can hear the directions as many times as they may need them.

Example:
Drama Station

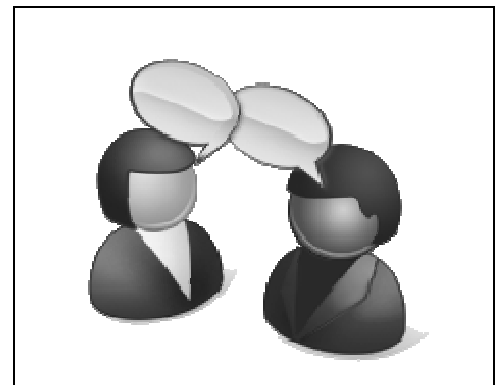
Record: Today, you will be writing a 3 minute play



Use what we learned in today's lesson about the Civil War, to pretend that you are in the war.



You can be from the North or the South and everyone must have at least one speaking line.

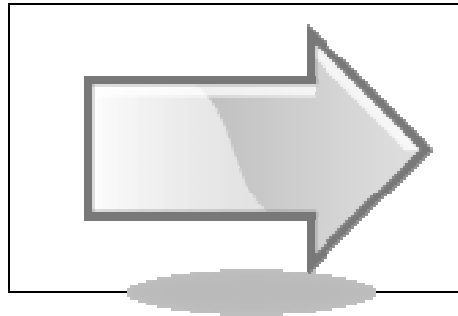


Scavenger Hunt

For this activity, you will need several Study Buddies and to divide the class into teams. Each team will get a Study Buddy with the battery compartment set to record. The team will have to create and record cards that lead to the “buried treasure.” The first card will start with a riddle and each subsequent card will have a direction about what to do to find the next card which will be hidden in the room somewhere. The final card will have the answer to the riddle.

Example Card and Recording:

“Starting at the door, walk 4 paces to the right.”



This activity can also be done without moving, by simply writing clues on each of the following cards, until the answer is discovered. The teacher would hold the final card to deter from cheating.

Example: “Where can people of all ages, races, nationalities and intelligences compete to win gold, silver, and bronze medals?”

Space + Yule+ Limp + Picks = Special Olympics



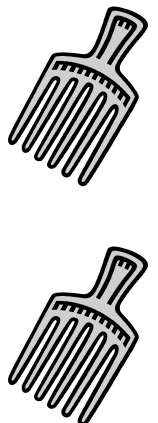
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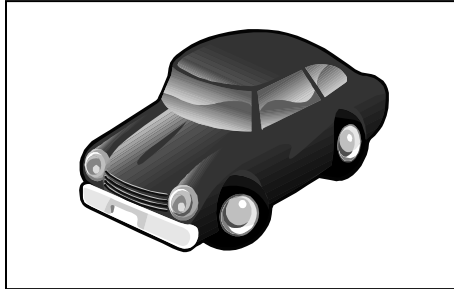


The teacher can also record his/her own riddles for the students to solve as part of a group project or as a motivation for finishing work early.

STORY TELLING (diagramming sentences)

Group Activity: Activate set of 6 Study Buddies. Set the record button in each battery compartment to record. Each person in the group gets a study buddy and a story blank worksheet. The blanks of the worksheet should request different parts of a sentence; nouns, verbs, adjectives, parts of the body, etc. Each student should then create cards that match what the blanks request.

Example: (noun)



 (verb)



On the study buddy, the student will record the word that the picture represents. For the first word, the student would record “car,” and the second, “swim.” When the student completes compiling his/her list of cards, they will have filled in the blanks for the yet unknown story.

Prior to students forming groups, the teacher will record sentences on the study buddy cards up until each blank. Between each “teacher” card, the students will play their own cards, in order, to complete the story. The parts of speech are interchangeable, so each student will have a different story and they can mix and match their nouns or verbs to get the best story.

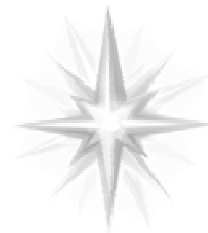
Teacher example:

Card 1:

One hot, <u> (adjective) </u>

Possible student response:

shiny



Card 2:

Day in __(month of the
year)__,

Possible Student Response:
October



Card 3:

Johnny decided he
would __(verb)__

swim



Card 4:

to __(place)__.

school



Story Blank Plan Sheet

1. adjective

2. month of the year

3. verb

4. place

Name _____

Date _____

WHO AM I?

Directions: Insert each card into the Study Buddy to learn something new about your classmates. Write the name of your classmate and a fun fact about them, or something you learned about them, on the line next to his/her name.

Sample:

Student's Name

1. Brianna

What I learned?

Brianna has a grandmother
who is 88 years old and
likes to cook soup.

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

Name_____

Date_____

Cat, Cat Habitat

Directions: Insert the card into the Study Buddy. Listen for the name of the animal and where it lives. Write the name of the animal next to the picture as well as its habitat.

Card:

Name:

Habitat:







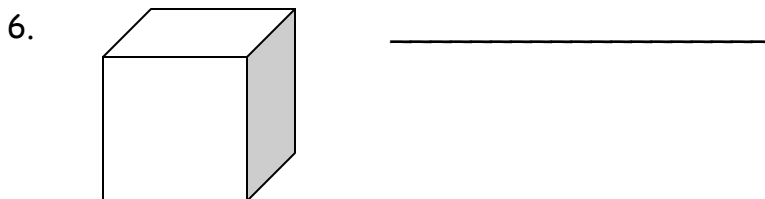
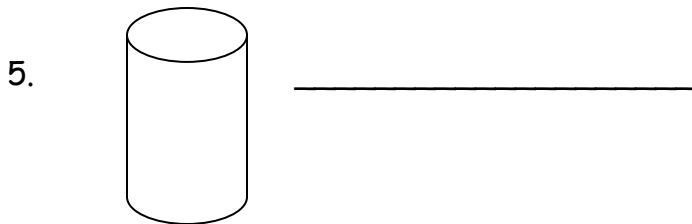
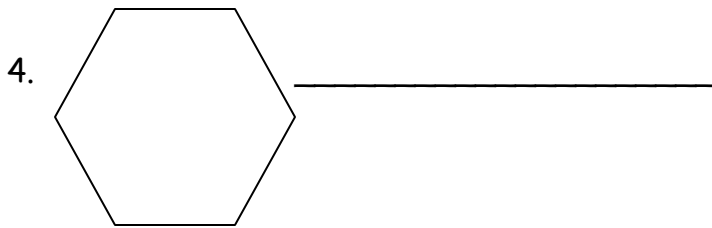
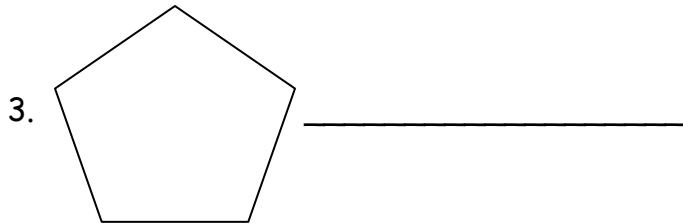
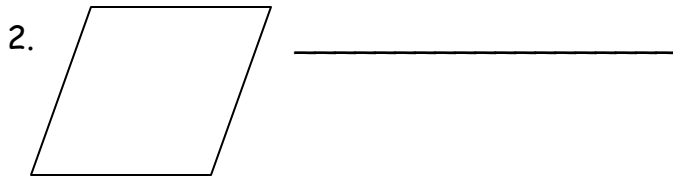
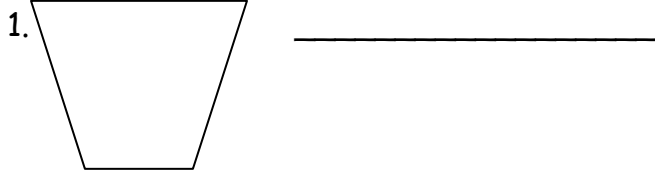


Name_____

Date_____

SHAPES

Directions: For each picture, match the name of the shape. Use Study Buddy for unknown shapes.



- A. Pentagon
- B. Cylinder
- C. Trapezoid
- D. Parallelogram
- E. Hexagon
- F. Cube

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