## INSTALLATION

## for PIXWRITER v3.2

- 1. Insert the CD into the computer.
- 2. You will see:





Read Me which has these installation instructions in it.



PixWriter Manual and Samples

- 3. Drag **PixWriter.app** to the Applications Directory in the Finder. PixWriter will be copied on your hard drive.
- 4. Drag **PixWriter Manual and Samples** folder to the Documents Directory in the Finder. Inside that folder are:
  - 1. PixWriter v3.2 Mac Manual.pdf.
  - 2. PixWriter v3.2 Samples folder

Installation is Complete.

Look in your Applications Directory for PixWriter. Double click PixWriter to open the program.

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## Welcome!

Congratulations on having chosen PixWriter<sup>™</sup> 3.2. PixWriter is the easy-to-use tool for beginning writers of any age, for all students in grades Kindergarten through Second, for students learning English and for RTI interventions for students who are struggling.

For those of you who are familiar with previous versions of PixWriter, you will find that all the favorite features have been included in this new version. All files you have made in previous versions can be opened and used in PixWriter 3.2.

For those of you who are new to PixWriter, you are going to experience the most effective Picture-Assisted Writing<sup>TM</sup> tool for beginning writers. You will create Word Banks simply by typing words and hitting the spacebar. Customized vocabulary Word Banks can be created to fit with your students' abilities, assignment requirements, and IEP goals.

Look at the new features! They are all described in this manual.

- Completely newly drawn library of Literacy Support Pictures<sup>™</sup> (LSP) in high resolution. The library of Literacy Support Pictures is now over 10,500 LSP in color and black-andwhite.
- New scanning options -- not only single-switch but also two-switch step scanning. Both scanning options have the ability to read the buttons, in other words. auditory scanning.
- You can now make PECS cards, classroom labels, and vocabulary cards using the PixCards<sup>™</sup> feature.

The new 4-space Word Bank is especially suited for first-time writers. Words are highlighted as they are read.

There are many other new features! So experiment, look for interesting sections in the Table of Contents, and have fun with your students as you see them take pride in their writing!

## **Getting Started**

In the Finder in the Applications menu, double click on the PixWriter icon. When Pix-Writer opens, you will see the PixWriter screen divided into two areas. The top area of the screen is the Paper. Words and graphics will appear here as words are typed or buttons are selected. The bottom area is the Word Bank. The buttons in the Word Bank will hold the words and pictures that your students will select to complete their written language assignments. Between the Paper and the Word Bank is the PixWriter Tool Bar. Each of the functions of the icons and spaces in the Tool Bar will be explained in this manual.

## Making a PixWriter Word Bank:

1. Type a word in the Edit Box. The Edit Box is the blue rectangle in the Paper portion of your screen.



- 2. Hit the spacebar to make a button. Capitalize proper nouns and the word "I."
- 3. Continue typing words followed by the spacebar until all the desired vocabulary is in the Word Bank.

000					Groce	ny List				
-	↓ <sub>@</sub>	ed to	buy	/ at	the	grocery	store	bread	m	<b>il</b> k
chee	se h	otdog	s chi	ps a	pples	banana	IS			
•							. ? ,	!	Ê	40 <b>-</b>
-	buy	GROCERY	milk	chips						
leed	at	STORE	cheese	apples						
to	the	bread	hotdogs	bananas						

## Filling Buttons Using the Phrase Edit Box in the Tool Bar:

The Phrase Edit Box located in the Tool Bar allows you to fill one button with two or three words that are represented by one Literacy Support Picture<sup>™</sup> (LSP). Click in the Phrase Edit Box to activate.



Type your words in the Phrase Edit Box and select the Get Pictures (or Parse) Button. A button will fill with the words and one picture.



(<u>Note</u>: If you are unsure whether or not the two- or three-word phrase has a LSP assigned to it, clicking the "Get Pictures" button will fill one or more buttons appropriately. In other words, if one picture represents the multiple words, one button will fill. If each word in the Phrase Edit Box has a graphic associated with it, that many buttons will fill.)

Clearing the Paper: Press the Escape (ESC) key to clear the paper at any time.

## **Organizing the Word Bank Buttons**:

- <u>Moving buttons</u>. Hold the Shift key and drag a button to move it. If another picture/word is in the location, the pictures/words will swap positions.
- <u>Deleting buttons</u>. Hold the Control key (ctrl) and click a button to delete it from the Word Bank.
- Duplicating buttons. Hold the Shift key and click on the desired button.

## **Coloring Button Borders (optional):**

- 1. Hold down the Option key and click the desired color on the Palette in the Tool Bar.
- 2. Continue to hold down the Option key and click on a button to add the color border. Several buttons can be colored with subsequent clicks.
- 3. Click on the Palette to select another color and repeat.

4. You may change a colored button back to black by holding Shift and Option keys and clicking the button.



### Locking the Word Bank (optional):

Click the Lock button on the Tool Bar. This will prevent accidental changes in the Word Bank.

To unlock the Word Bank, use the Edit Menu or  $\Re$  + L.

NOTE: The keyboard is always active, even when the Word Bank is locked.



	-		
	1	1	
	_		

## Punctuation, Return, Erase and Speak Buttons:

The Punctuation, Return, Erase and Speak buttons are in the Tool Bar when you first start using PixWriter



These buttons are active in the Tool Bar and students can click on any of these buttons while writing.

The Punctuation, Erase and Speak buttons can be moved into the Word Bank. Possible reasons for moving the buttons to the Word Bank are: 1) to emphasize adding punctua tion in a student's written work, 2) to address visual concerns for recognizing and selecting these buttons be larger, 3) to have the buttons available during scanning mode.

1. Select Punctuation Big, Speak Button Big or Erase Button Big in the Options Menu. PixWriter will place these buttons in the last spaces in the Word Bank.

Options	Options
Speak Button Big Erase Button Big Punctuation Big	<ul> <li>✓ Speak Button Big</li> <li>✓ Erase Button Big</li> <li>✓ Punctuation Big</li> </ul>

000			PixWriter	- Untitled				
		200	_	S				
I learne	d about	minerals	on	earth.				
		Record Control of Cont				_		
1						4		•
	- Age							
I learned about	rocks	minerals		on	earth		_	
				&		. 7	,	1
1 minutes	soil	water		and		:		

### **Functions of the Speak Button:**

- 1. When the Speak button is selected, the words showing on the Paper will be read by the computer. The words will be highlighted as they are read. You can stop the speech by selecting the Speak button again.
- 2. If a single picture is selected from the Paper and the Speak button is selected, only that word will be spoken.
- 3. If a single word is selected from the Paper and the Speak button is selected, the computer will begin reading from that point. You can stop the speech by selecting the Speak button again.

## Writing with PixWriter 3.2

## Writing with the Mouse, Touch Window, Joystick or Similar Device:

Click on a button to write the picture/word on the paper.



## Writing Directly From the Keyboard:

Type and press the spacebar to put words on the paper. Even if the Word Bank is completely filled or locked, words will appear on the paper and the LSP supporting that picture will be paired with the word in the Paper area.

## Writing Directly From the Keyboard--No Buttons Showing:

1. Go to the Options Menu and select Hide Word Bank. The Word Bank will disappear, but the Tool Bar will remain available





2. Return to the Options Menu and select Show Word Bank to bring the Word Bank back to the screen.



### Writing Using Switches:

Select Setup Scan... in the Options Menu to set the parameters.

OptionsSetup Scan...#UToggle Scan On/Off#=

You will see the following window:

	Setup Scanning	
Scan Action:		
None	Scanning OFF	
Single Switch Scanning	🔵 1st Key Character Selects	
	6 5 4	3 2 1 second
	Slower Adv	ance Timer Faster
Two Switch Step Scan	🔵 2nd Key Character Advan	ces
Scan Options:		
1st Key Character	Start Scan with Big Speak Button	Tick Sound on Advance
2nd Key Character	Groups, then Individuals	Auditory Scanning

Two scanning options are available: Single-Switch Scanning and Two-Switch Step Scanning.

#### Single-Switch Scanning:

In single-switch scanning, the user hits the switch to start the scanning. PixWriter moves the highlighter from one button (or group) to another using the time interval set in the Advance Timer Pressing the switch on a highlighted button will print that word/ graphic on the Paper.

- 1. Set your Single Switch Interface Action according to the directions included in your interface instructions. Check your switch interface for possible settings (for example, #1 for Switch 1).
- 2. Type the character in the 1st Key Character box in the bottom section of the dialog. When designating a key character, be sure to type in a printable character (e.g. letters, numbers, punctuation).
- 3. Move the slider to the speed desired for the scanning. The time between advancing the scanning ranges from 6 seconds to a couple of tenths of a second.
- 4. Select any or all of the program options which are shown at the bottom of the dialog.

• Start Scan with Big Speak Button. The Speak Button must be in the Word Bank to be scanned. Starting here allows the student to listen

to what he/she has written before continuing with the written language assignment. This options is only available when Groups (see below) is not selected.

- Groups, Then Individuals. The Word Bank contents are scanned in groups to speed up locating the desired word. After the Group has been selected, the individual words within that group are scanned.
- Tick Sound on Advance. A soft "tick" is heard as the scanning moves from button to button or group to group.
- Auditory Scanning. Selecting this option will turn on auditory scanning of the individual buttons. The words will be spoken as the buttons are scanned. NOTE: If the scanning speed is very rapid, some words may not be said entirely. Adjust speed if needed.
- 5. Click OK.

### Two-Switch Step Scanning:

In this scanning mode, a switch advances the scanning. When the desired word has been highlighted, another switch selects that word and prints it on the Paper. There is no timed interval in two-switch step scanning, since the user determines how quickly the scanning advances from button to button.

- 1. Since two switches are in use in this scanning mode, you will have to designate two key characters in order for the switch interface to recognize the two switches. Check you switch interface for possible key characters to use.
- 2. Enter the 1st and 2nd Key Characters in the boxes at the bottom of the dialog. When designating key characters, be sure to type in a printable characters (e.g. letters, numbers, punctuation).
- 3. Make your selections for options. (See #4 in Single-Switch Scanning above for a description of each option.)
- 4. Click OK.

After the scanning options have been set and you return to the main screen, the Tool Bar contain an indication of the scan settings. The key character(s) you designated appear next to the Return button in the Tool Bar.



When scan settings are active, press ESC to turn them off or select the menu item (Options Menu).

### Changing the Size of Words Appearing on the Paper:

1. Select Smaller Text (# 3) or Larger Text (# 4) in the Options Menu. Repeat the selection to get the desired text size.



Smaller Text	Ж3
Larger Text	<b>%</b> 4



## Changing the Size of Pictures Appearing on the Paper:

1. Select Smaller Pictures (# 1) or Larger Pictures (# 2) from the Options Menu. Repeat the selection to get the desired picture size.

Options

Smaller Pictures	<b>%</b> 1
Larger Pictures	<b>#</b> 2



## **Changing font**:

1. Select the desired font in the Font Menu. This changes the font that is used on the Paper.





## Customizing a PixWriter 3.2 Word Bank

## Selecting the Number of Buttons in the Word Bank:

- 1. Go to the Options Menu.
- 2. Select 4, 16, 36, or 64 Buttons. The default Word Bank is 36 buttons.

Options	
4 Buttons	<b>#</b> 6
✓ 16 Buttons	<b>%</b> 7
36 Buttons	<b>#8</b>
64 Buttons	<b>#</b> 9
64 Buttons	#5

## Adding Punctuation, Erase and/or Speak Buttons to the Word Bank:

Refer to Page 4 for a description of moving the buttons from the Tool Bar.

## Selecting Gender-Appropriate Personal Pronouns:

Personalizing a Word Bank to reflect the gender of the person writing or a character in a story is possible. All personal first-person pronouns (I, me, my, mine) will appear as male or female depending upon your selection. Go to the Options Menu and select the appropriate gender.



### Selecting Black-and-White Pictures:

The default setting is for color pictures. You can select black-and-white pictures by going to the Options Menu and selecting Color Pictures which will change all of the pictures on the paper and on the word bank to black-and-white. Return to the Options Menu, click Color Pictures to restore color pictures.



## Using Same Font on Paper and in Word Bank:

Go to the Options Menu and Select Sync Document/Button Font.



#### **Creating Word-Only Buttons:**

The default setting is for both words and pictures to occupy buttons. In the Options Menu this item is checked indicating that pictures will appear on the buttons. Selecting this option, turns off the function and word-only buttons will fill the Word Bank. When a button(s) is selected, the word and picture will appear on the Paper.



#### The Voice Menu:

Shows all the voices that are installed and currently available on your computer. Select any foice. If you save the file, the voice setting will be retained each time the file is used.

#### The Speech Menu:

Choose <u>Faster</u> or <u>Slower</u> to change the rate of the text-to-speech.

<u>Say All, Stop Talking</u>, and <u>Mute</u> show key equivalents for functions of the Speak button. When Mute is selected, the speak icon will be grayed out and there will be no speech when a button is selected.



## **Target Word Dialog**

Any time you want to change a picture-word match, you will target the word you have in the document.

## **Functions Possible in the Target Word Dialog:**

You can: 1. Change the picture/word match.

- a. Choose another picture from the LSP library.
- b. Select No Picture.
- c. Import pictures (clip art, original drawings, digital photographs). (See Importing Pictures, below)
- 2. Change text-to-speech pronunciations.
- 3. Make a button with two or more words.

#### **Target Word Basics:**

1. Click on the Target Button in the Tool Bar.



The Target Word Dialog will appear on your paper.

2. Enter the targeted word (the word which requires a graphic change).

larget Words
ect picture usage, check pronunciation, then add target.
💽 Use Standard picture
O Use Alternate picture
O Use No picture
O Use Imported picture
Import a Picture File
Import Clipboard
Alternate picture named:
Add Target Clear Done

3. Enter the name for the alternate picture.

	Target Words
Enter a word or phrase, select p	victure usage, check pronunciation, then add target.
COSTUME.BMP	
	O Use Standard picture
(23)	💽 Use Alternate picture
	O Use No picture
E	O Use Imported picture
Lang 2	Import a Picture File
0	Import Clipboard
((,))	
	Alternate picture named:
clown	costume
(Say:) clown	Add Target Clear Done

- 4. Click Add Target. If there is a button in the Word Bank for that word already, the graphic changes to reflect your assignment.
- 5. Make other target word selections, if needed.
- 6. Click Done. Not only will the buttons reflect your assignments, but the LSP above the word on the Paper will also change.

#### The LSP Thesaurus:

1. When you enter a target word, sometimes alternate LSP will appear in the thumbnails.



2. Click any alternate picture to select it. The substitute picture will appear as the Target Picture.



- 3. Click Add Target to use that picture. The new picture will appear on the button in your Word Bank.
- 4. Click Done when you are finished assigning alternate pictures to your targeted word(s).

#### Determining if an Alternate Picture is Available for a Specific Word:

There will be occasions when you type a word and a picture that does not represent the meaning of the word appears on the button. To see if there is an alternate picture that may have been assigned to that word, follow this procedure:

1. Click on the word printed in the Paper portion of the PixWriter window.

000			PixWi	riter - Untitled			
	bought	a ne	W saw	for	<b>⊠</b> √ my	Dad.	
	saw.					7 1 +	
	bought saw	- Jad					

- Click on the Target Word icon on the Tool Bar.
   You will see that the word has automatically been entered in the Target Word box, and the choices of LSP available for that word are displayed as thumbnails.

	Target Words	
Enter a word or phrase,	select picture usage, check pronuncia	tion, then add target.
$\frown$	• Use Standard picture	
	O Use Alternate picture	
	O Use No picture	
1 50	Use Imported picture	
K3	Clipboard contents:	
saw	Alternate picture named:	(Import a Picture File )
	8 2 3	
Say: saw	Add Target	Clear Done

4. Select the graphic that illustrates the meaning of your word.



- 5. Click Add Target to use that picture. The new picture will appear on the button in your Word Bank
- 6. Click Done. The assignment will also appear on the Paper.



#### **Making Phrase and Sentence Buttons:**

There are two ways to enter phrases on a button.

- 1. Use the Phrase Edit Box in the Tool Bar to enter two and three words that have been paired with an LSP. (See Page 000000000 in Getting Started for an explanation of use of the Phrase Edit Box.)
- 2. Type in two or more words in the target word box in the Target Word dialog.

If the word is in the LSP library, the picture will appear. (Example: polar bear, thank you, fire extinguisher)

	Target Words
Enter a word or phrase, selec	t picture usage, check pronunciation, then add target.
frenchho.jpg	
-	💿 Use Standard picture
	O Use Alternate picture
	O Use No picture
	O Use Imported picture
	Clipboard contents:
French horn	Alternate picture named:
(Say:) french horn	Add Target Clear Done

Complete sentences (up to 23 characters) can be entered in the target word box. One LSP can be chosen to illustrate the message of the sentence.

- 1. Type the sentence in the target word box.
- 2. Write that word to represent the graphic for that sentence in the Alternate Picture rectangle.
- 3. If the Thesaurus shows possible graphics, choose the one desired.

	Target Words	
Enter a word or phrase, sel	ect picture usage, check pro	onunciation, then add target.
lunch.jpg		
	O Use Standard pict	ure
	🖲 Use Alternate pict	ure
	O Use No picture	
	O Use Imported pict	ure
	Clipboard contents	
	Alternate picture nar	med:
It's lunchtime.	lunch	Import a Picture File
Say: it's lunchtime.	Add Target	Clear Done

- 4. Click Add Target.
- 5. Repeat for other targets/sentences.
- 6. Click Done.

Below is a 4-space Word Bank which contains sentences and phrases. All were created using the above steps.



### **Importing Pictures into PixWriter:**

There are three ways to import images into your PixWriter Word Bank:

- 1. Select Import a Picture File in the Target Word dialog.
- 2. Select Import Picture in the File Menu.
- 3. Copy image from another application to the Clipboard and import through the Target Word dialog.

### **Importing Through the Target Word Dialog:**

- 1. Click on the Target button in the Tool Bar (or **H**T, or Target Word in the Edit Menu.
- 2. Click Import a Picture File.



3. Navigate to the desired picture file. The file may be a digital photograph or graphic (from camera, internet, photo editor).

$) \bigcirc \Theta$	Im	port Graphic File:		
< > E	butterfly	y photos 🛟	Q search	
Jean Slater's C	terfly photos ► Fellows083	₽ bk ₽ bk&w.jpg		
Network	ptian Photos Fellows846	bk&wstripe.jpg	×	
Macintosh HD	bilFellows075 ndCanyon.jpg	🖹 br&w.jpg 🖹 eyes.jpg		
Desktop	led Cdwich.jpg npigFellows095	🧧 📄 g&bk.jpg 🖹 gold.jpg	1000	an the
jeanslater	~i_0577.JPG i_0578.JPG	grayw.jpg multi.jpg	Name Size	bl&p.jpg 60 KB
Applications	-0579.JPG -0580.JPG	🖹 o&b.jpg 🖹 silver.jpg	Kind Created	JPEG Image 7/24/06 4:32 PM
& Music	i_0582.JPG	-	Modified	7/24/06 4:32 PM
Pictures	_0584.JPG	11	Last opened	Today at 8:29 PM

- 4. Click Choose.
- 5. Assign a name for the picture. Click OK.

Impor	ted Picture
Assign word	for this picture:
butterfly	
(Maximum	of 23 characters)
Cancel	OK

The imported picture will automatically fill a button and the word will be added to the target word list on the right side of the dialog.

- 6. Continue to import photos.
- 7. Click Done.

#### **Importing Using the File Menu:**

1. Select Import Picture... from the File Menu.



- 2. Locate the desired picture.
- 3. Name the picture. Click OK.

A button will be created with the imported picture and the target word. You have not needed to visit the Target Word dialog. (If you go to the Target Word dialog, you will see that the word has been added to the list on the right side.)

#### **Importing Images Saved on the Clipboard:**

- 1. Locate the image desired and open it in another application.
- 2. Select all or part of it and copy to the clipboard there.
- 3. Go back to PixWriter and click on the Target button on the Tool Bar. You will see a thumbnail of the picture which was copied to the clipboard.
- 4. Click on the thumbnal labeled Clipboard Contents
- 5. You will then see a larger version of the picture displayed.



- 5. Enter the target word.
- 6. Click Add Target.
- 7. Click Done.

NOTE: Visit <u>www.slatersoftware.com</u> for tips and tricks for picture resolution and tutorials on importing pictures. This information will help you decrease file size and optimize the performance of PixWriter.

## Say, Clear, Remove and Done Buttons:

- Say: To change the way the computer pronounces a word, enter the phonetic spelling.
- Clear: To clear the target word and alternate word fields.
- **Remove**: Click on a word in the target word list on the right. Then click Remove to delete the entry.
- **Done**: Click Done when you have finished making changes to your target words. You will return to the Word Bank and document.

## **Editing a PixWriter Document**

Five editing functions are available.

## **Deleting a Word**:

- 1. Click on the word on the Paper that you want to delete from the document.
- 2. Click the Erase button located either in the Tool Bar or in the Word Bank.



## Substituting One Word for Another:

- 1. Click on the word on the Paper that you want to change.
- 2. Click on the desired button from the Word Bank. The new word/picture will now appear on the Paper.



## Adding/Inserting Punctuation.

- 1. Click on the word on the Paper which will precede the punctuation.
- 2. Click on the needed punctuation which is located either on the Tool Bar or in the Word Bank.

NOTE: When adding/inserting ending punctuation, PixWriter will insert the punctuation, space appropriately following the punctuation and capitalize the first word in the next sentence.



### Inserting a Word:

- 1, Click on the word on the Paper that will follow the inserted word.
- 2, Hold down the Command key (**H**) and click the word/picture button in the Word Bank that you want to insert.



## **Inserting Multiple Words**:

NOTE: This is an advanced feature requiring students to use the keyboard to type words from the keyboard that they want inserted into their document.

- 1. Click on the word on the Paper that will follow the inserted words. The chosen word will appear in the Phrase Edit Box on the Tool Bar.
- 2. Place your cursor in the Phrase Edit box and type the desired word(s).
- 3. Click the Get Pictures (Parse) button. The words in the Phrase Edit Box will replace your selection in the document (and will fill any empty buttons in the Word Bank).



## **Teacher Features**

## Making a Word Bank From Digital Text:

You can make word buttons fast from digital text.

1. Copy text from another application or website to your clipboard.



- 2. Return to PixWriter.
- 3. Click in the Phrase Edit Box on the Tool Bar.
- 4. Paste (% V or Edit Menu selection) the clipboard contents into the Phrase Edit Box.
- 5. Click the Get Pictures (Parse) button.



6. Buttons will fill with the words/pictures which match the imported text.

NOTE: You can use this same procedure to adapt a text email to be read in in PixWriter. Copy the email, paste into the Phrase Edit Box, click Get Pictures, and the contents of the email will be displayed in picture-assisted text on the Paper. The Speak button will allow the computer to read it out loud. The buttons have also been filled with the words from the email, therefore, the vocabulary is available to write a response if desired.

#### **Making Duplicate Buttons:**

Duplicating buttons allows you to support beginning writers when they are, for example, writing complete sentences.

- 1. Enter the desired words and make buttons.
- 2. Hold down the Shift key. Move the cursor to the desired button. Click.
- 3. Shift and drag the buttons to position them in the Word Bank.



### Making PixCards<sup>TM</sup> -- Small Picture Cards:

PixCards allows you to make vocabulary flash cards, labels for your classroom, PECS cards for communication, schedules, or game cards.

1. Select PixCards from the Options Menu or Shift + Click on the Palette icon. You will notice that each word/picture on the Paper is bordered by a black rectangle.



monke	y che	tah b	aboon 2	zebra	giraf	fe	lion	<b>?</b>
elepha	nt hip	ppo c	himp I	ioness				
<b>1</b>					. ? ,	<b>ب</b> ا	1	
monkey	<b>Baboon</b>	giraffe	elephant	<b>R</b> chimp				
R cheetah	Zebra	lion	hippo	Iioness				

3. Adjust the picture and word sizes using the Options Menu.

Smaller Pictures	<b>%</b> 1
Larger Pictures	₩2
Smaller Text	ж3
Larger Text	<b>%</b> 4

- 4. Print and Use.
- 5. Turn off PixCards from the Options menu or Shift + Click on the Palette.

### **Auto Capitalize**

The default setting is for PixWriter to automatically capitalize the first word of each new sentence. This feature can be turned off allowing a student to learn capitalization rules.

- 1. Go to the Options Menu.
- 2. Select Auto Capitalize



3. Create buttons for words that will begin sentences both in upper case and in lower case.



### **Resizing the PixWriter Window**

The PixWriter window can be resized and moved around your screen. This is convenient when you are using two applications. For example, a picture-assisted reading document might be open in Picture It so that a student can refer to the document while writing a report on the content. Or a student could be finding information on the internet and importing that content and/or graphics into PixWriter.

- 1. Grab the bottom right corner of PixWriter and drag to the desired size.
- 2. Click on the title bar at the top of the window and drag to the desired location.

#### **Selecting File Info**

Under the File Menu, you will see File Info.... Selecting this menu item will tell you about the file you are creating. It tells you whether the file has been saved and/or changed, the font, the font size, the number of imported pictures and the number of words in the file.

## **Copying Text from a PixWriter Document**

Under the Edit Menu is an item Copy All Text (Shift **#** C). This copies the text to the clipboard which can then be pasted into any other application.

## Copying a Selected Picture and Using in Another Application

- 1. Click on a LSP in the Paper. A red outline of the LSP will appear.
- 2. Select Copy Selected Picture from the Edit Menu or **#** C to copy the LSP to the Clipboard.



3. The copied graphic can then be pasted into another application.

#### The PixWriter Menu:

<u>About PixWriter...</u> shows copyright information and displays the version you are presently using along with its revision date.

## Spanish Language

Having the capability of creating documents and creating Word Banks in Spanish means that many students can now learn, read and write in the Spanish language. Whether the student is a native Spanish speaker attending English-speaking schools or a student learning Spanish, PixWriter will enhance their educational experience. Teachers who work with native Spanish speakers will find this feature of PixWriter helps their students understand English and expand their English vocabularies. Teachers in bilingual classrooms will enjoy the ease with which they can produce English and Spanish parallel documents and visual aids for their classroom. Foreign language teachers will be thrilled with the adaptability and ease of use in their classes.

## **Entering Spanish Text:**

1. Select Spanish under the Options Menu.

Options	
English	
✓ Spanish	

2. Type a Spanish word, hit the spacebar, and the button will automatically fill with the Spanish word and the graphic.

## **Diacritical Markings:**

Spanish words often have diacritical markings. These accents are part of the spelling of the words and must be included in order for the computer to automatically match a picture to a word. If you type in a word that you would expect will bring up a picture, please first check your use of the accents.

Macintosh computers include a sequence of key strokes to add the accents to the letters:

for á, é, í, ó, ú: Option + "e", then the letter for ñ: Option + "n" then "n" again.

## Producing a Word Bank Containing Both English and Spanish Words:

Sometimes, when in Spanish mode, pictures will appear above English words. This is because the "look-up list" (that list that PixWriter scans for the automatic picture matching) has been written to refer to English picture names. For example, you could be in Spanish mode and type *dress* and a picture would appear. However, if you typed *dressing* there would be no picture. Experimentation will educate you as to what words will produce pictures.

You may always mix English and Spanish words in a Word Bank using the Target Word Dialog. (See Page 16 for instructions on using the Target Word Dialog.)

#### **Voice Selection:**

OS X, by default, does not include a Spanish voice. A Spanish voice may be purchased from a third-party vendor. For instance, Cepstral (cepstral.com) offers a male and female voice that will work on OS X. The cost per voice is \$29.95.

#### Homonyms and Words with Multiple Meanings:

- 1. Click on the word in the Paper.
- 2. Select the Target Word icon from the Tool Bar.
- 3. You will notice that the word has already been filled in in the Target Word box and, if there are multiple picture choices, those choices are displayed as thumbnails.
- 4. Select the one that fits the meaning of your sentence. The chosen picture will automatically fill a button.

#### Punctuation

Option + 1 gives you an upside-down exclamation point. Shift + Option + ?/ brings up the upside-down question mark.

To produce a button with beginning punctuation:

- 1. Type the word and hit the spacebar.
- 2. Click on the word in the Paper.
- 3. Click on the Target Word icon on the Tool Bar.
- 4. When in the Target Word dialog, add the leading punctuation, and capitalize the first letter of the word.
- 5. Click Add Target.
- 6. Click Done. A button will be filled with the correct punctuation.

#### ANIMALS

MAMMALS aardvark (s) alligator (s) animal animals anteater (s) antelope, (plural) armadillo (s) baboon (s) badger (s) bat (s) bear (s) beaver (s) big horn sheep (plural boar (s) Brahman bull bronco buffalo (plural) bull (s) bulldog (s) camel (s) calf (ves) carnivore cat (s) cattle cheetah chimpanzee (s) chipmunk (s) colt cottontail cow (s) cougar coyote crocodile (s) cub dall sheep deer (plural) doe dog (s) dolphin (s) donkey (s) elephant (s) elk emu ermine ewe (s)

fawn (s) ferret (s) flock (sheep) fox (es) gazelle (s) giraffe (s) gnu goat (s) gorilla (s) guinea pig (s) hamster (s) herbivore hippo (s) horse (s) hound (s) humpback hyena (s) jaguar (s) kids (goats) killer whale kitten (s) lamb (s) lemur (s) leopard (s) lion (s) lioness llama (s) lynx (es) mammals mammoth (s) manatee (s) mare mink mole (s) monkey (ies) moose mouse, mice mountain goat (s) mountain lion (s) muskox omnivore otter (s) ox (en) paint pony panda (s) panther pig (s) piglet (s) platypus polar bear (s)

poodle (s) porcupine (s) prairie dog predator puppy (ies) rabbit (s) raccoon (s) ram (s) rat (s) rhinoceros (es) seal (s) sheep skunk (s) sloth squirrel (s) stallion steer tiger (s) walrus (es) tiger (s) water buffalo weasel (s) wolf whale whales vak (s) zebra (s) **INSECTS** ant (s) aphid (s) bee (s) beetle (s) bug (s) butterfly (ies) caterpillar (s) cockroach (s) cocoon cricket (s) dragonfly (ies) drones fireflies flea (s) fly (ies) grasshopper (s) hive katydid (s) ladybug (s) millipede (s)

mosquito (s) moth (s) tarantula (s) queen bee scorpion (s) spider (s) tarantula (s) wasp (s) worm (s) BIRDS bird (s) bluejay (s) canary (ies) cardinal chick (s) chicken (s) crow (s) cygnet (s) dodo dove drake duck (s) duckling (s) eagle (s) eaglet egret emu falcon (s) flamingo (s) flock (birds) gaggle geese goose hawk (s) heron hummingbird (s) millipede (s) ostrich (s) owl (s) parakeet (s) parrot (s) peacock (s) pelican (s) penguin (s) pheasant pigeon (s) prairie chicken (s) puffin (s)

baa

bark

pupa quail (s) robin (s) rooster (s) seagull (s) stork swan (s) toucan (s) turkey (s) vulture whooping crane woodpecker (s) wren

#### REPTILES

boa constrictor chameleon (s) cobra (s) dragon gila monster iguana (s) lizard (s) python rattlesnake reptiles snake (s) tortoise (s) turtle (s)

FISH

## **CRUSTACEANS**

crab (s) crayfish lobster (s) shrimp clam (s) mussels

trout

#### **AMPHIBIANS**

frog (s) froglet salamander (s) toad (s) tadpole (s) treefrog

#### MARSUPIALS

kangaroo (s) koala (s) opossum (s)

## GASTROPODS

slug snail

#### ANIMAL PARTS

angelfish bass eel fish hogfish manta ray eel marlin moray eel octopus, octopi perch pike puffer fish salmon school (fish) shark (s) starfish swordfish

antlers beak (s) claw fang feather (s) fins fleece fur hoof (ves) hump )s) paw (s) quills tail (s) trunk webbed feet wing (s)

bray caw chirp cluck cock-a-doodle-doo croak gobble hoot howl meow moo neigh oink purr quack roar squeak **DINOSAURS Brachiosaurus** Brontosaurus dinosaurs Pterodactal Stegosaurus Triceratops Tyrannosaurus Rex **APPLIANCES** appliance (s) blender (s) can opener

dishwasher

microwave

dryer

mixer

stove

toaster

television

coffee maker (s) refrigerator (s) washing machine **BODY PARTS** 

## ANIMAL SOUNDS

bone (s) brain brow calf (ves) cardiovascular cell cheek chest chin collar bone ear (s) earcanal egg cell (s) elbow (s) esophagus eye (s) evebrow (s) eyelashes face (s) feet finger fingernail (s) fist (s) foot freckles front gland hair hand (s) head (s) heart heel (s) hip inner ear intestines kidney knee lap left hand leg (s) lips lungs mouth neck nose

ankle (s)

arm (s)

bladder

back

body

ovary palm rib (s) right hand scalp shin shoulder (s) side skeleton skin skull spine stomach stomach (anatomy) teeth throat thumb toe (s) toenail tongue tooth waist wrist

#### BRANDS

Burger King Coca-Cola Dairy Queen Dr. Pepper Jack-in-the-Box KFC McDonalds Mountain Dew Pepsi Pizza Hut Seven Up Spite

#### BUILDINGS

airport apartment bakery bank bar barber shop barn (s) bookstore building (s) business cabin (s) capitol castle cathedral church convent cottage courthouse doghouse drug36store factory fire station fort garage gas station greenhouse grocery hogan hospital hotel house hut igloo (s) jail library lighthouse longhouse mill mobile home motel museum outhouse pet store police station post office restaurant school shack shop silo stadium synagogue tepee (s) temple trading post tree house **CLOTHES** 

apron (s) bathrobe (s) bikini blouse blue jeans boot (s) bonnet (s) boot boots booties bra cap(s) cape clothes coat(s)collar costume cowboy boots diaper dress fireman's hat (s) glove (s) hat (s) knickers jacket (s) jumper mitten (s) moccasin (s) nightgown overalls pajamas panties pants parka (s) poncho raincoat saddle shoes sash scarf shawl shirt (s) shoes (s) shorts skirt sleeve slip slipper (s) sock (s) sombrero (s) smock

suit sweater sweatpants sweatshirt (s) swimsuit (s) tie t-shirt tunic underwear vest **CLOTHES--**ACCESSORIES apron (s) badge barrette belt beret bib bow bracelet broach buckle (s) button (s) cleat (s) crown cuff earmuffs earrings handkerchief headband helmet (s) hem hood hose glasses goggles lace mask mask (Thespian) necklace (s) necktie (s) overalls plaid pleat pocket purse (s) ring (s) sandal (s)

sugar

sash shawl shoelace (s) snap (s) strap sunglasses suspenders umbrella wallet watch

#### COLORS

black blue brass brown copper gold green indian red lime green olive green orange pink plum purple red scarlet silver tan white vellow

#### CONTAINERS

backpack bag(s) barrel (s) basket (s) bin (s) bookshelf (ves) bottle (s) bottle (baby) bowl (s) box (es) bucket (s) bundle (s) bushel (s) cage

can canteen (s) carton (s) churn crock cupboard cup (s) envelope fishbowl flowerpot glass (es) jar (s) jug kettle (s) lunch box mailbox mug (s) pitcher pocket punchbowl purse (s) shopping cart suitcase tank teakettle (s) teapot (s) trailer trash bag (s) trash can (s) trunk (car) tub (s) wastebasket watering can COOKING **INGREDIENTS** 

baking powder baking soda brown sugar butter cornmeal cinnamon flour oatmeal oil pancake mix salt and pepper spices

vanilla vinegar COOKING TERMS bake batter boil broil fry recipe sift stir cookbook coupon **UTENSILS** colander cookie cutters cookie sheet cork counter top fork frying pan funnel grill kettle knife (ves) kitchen ladle measuring cups pans pot (s) rolling pin (s) rubber spatula silverware skillet spatula spoon (s) tablespoon teapot teaspoon timer tongs whisk **DISHES** 

bowl (s) cup (s) dishes goblet (s) plate platter napkin tablecloth

#### DRINKS

apple juice beer beverage cocoa Coke coffee grape juice juice orange juice iced tea Kool Aid lemonade milk milkshake orange juice Pepsi pop water

#### EMOTIONS

afraid angry ashamed bashful curious greedy happy jolly nervous sad stubborn tired worried

#### FOOD

DAIRY PRODUCTS

omelet

banana split butter cheese cottage cheese cream food ice cream ice cream bar (s) milk milk shake yogurt

#### FRUITS

apple (s) apple core (s) applesauce apricot (s) banana (s) berry (ies) blueberry (ies) cantaloupe (plural) caramel apples cherry (ies) coconut (s) date fruit grapefruit (plural) grapes kiwi lemon (s) lime (s) mango (s) orange peach (es) pear (s) pineapple (s) plum (s) prune (s) raisin (s) raspberry (ies) rhubarb tangerine (s) strawberry (ies) watermelon (s) GRAINS

bagel (s) biscuit (s) bread brownie (s) bun (s) cake (s) cobbler cookie (s) corn flakes cornmeal crackers Cheerios cornmeal cupcake(s) croissant (s) donut (s) flour fortune cookie (s) gingerbread man(men) macaroni and cheese muffin (s) nachos noodle oatmeal pancakes pasta pretzel (s) quesadilla rice scone (s) stuffing toast tortillas waffles MEATS bacon beef bologna burrito (s) cheeseburger

egg (s)

hotdog

meat

hot dogs

hamburger

ham

roast salami yolk beans celery corn garlic lettuce peas chicken nuggets drumstick (s) salad lamb chop (s) squash tomato (es)

pork chop (s) quesadilla sausage (s) seafood shrimp spaghetti taco (s) tamale (s) **VEGETABLES** artichoke (s) asparagus avocado beet (s) broccoli cabbage (s) caramel apple (s) carrots cauliflower chili pepper (s) cucumber (s) eggplant (s) French fries green pepper jalapeno olive (s) onion (s) pepper (s) pickle (s) potato (es) produce pumpkin (s) red chilis radish (es) spinach soybeans

vegetables yam (s) NUTS

almonds nut (s) peanut (s) walnut

#### DESSERTS

banana split brownie (s) cobbler crust cupcake (s) dessert eclair (s) jello lemon mereinge pie (s) sundae (s) whipped cream

#### **OTHER FOODS**

candv candy cane (s) catsup/ketchup chips chocolate chocolate chips food groceries honey icing iam jelly jelly beans licorice lollipop (s) marshmallows mayonnaise mushroom (s) mustard nachos pastry peanut butter pizza (s) pod

bath

pop popcorn popsicle (s) salt and pepper sandwich (es) sauce snacks snowcone soup subsandwich syrup twinkies whipped cream

#### **FURNITURE**

bathtub beanbag (s) bed (s) bench bunk beds cabinet chair (s) chest of drawers clock coat rack cot couch cradle crib cupboard desk dresser furniture grandfather clock highchair lamp mirror phone piano picture pillow radio refrigerator (s) rocking chair (s) rug (s) shower sink stool (s) table (s)

television throne toilet tuffet wardrobe **HOUSE** attic balcony banister basement bathroom bedroom

bedroom ceiling chimney closet corner dining room door (s) doorbell doorknob doorway downstairs faucet (s) fire escape fireplace floor greenhouse hall house kitchen laundry light switch living room mantle pane porch roof room (s) TV room sink stool stairs upstairs wall window **HYGIENE** 

brush (noun) brush (action) comb (noun) comb (verb) curlers curling iron deodorant first aid floss haircut hair dryer hairspray lipstick lotion makeup manicure perfume polish razor scale shampoo shave shower soap toilet paper toothbrush toothpaste towel washcloth MATH amount difficult division easy example minus multiplication plus

equals

prove

wrong

MUSIC

sum

fractions

greater than

lesser than

accordion bagpipes band banjo (s) bass drum bassoon (s) bell (s) bongos bugler choir chord clarinet (s) concert conductor cymbals drumset drum sticks flute French horn (s) gong guitar (s) harmonica (s) harp horn (s) instruments kazoo lyre maraca (s) music music box (es) music class note organ piano play (instrument) recorder (s) saxophone sing tambourine (s) trombone (s) trumpet tuba violin (s) xylophone NURSERY

## RHYMES/BOOK CHARACTERS

Amelia Bedelia Babe, The Blue Ox **Baby Bunting Big Bad Wolf** Bo Peep **Boy Blue** Dish and Spoon **Fiddlers** Three Hooligan Vine Humpty Dumpty Jack Be Nimble Jack Sprat King Cole Little Miss Muffet Old Shoe Old Woman Pumpkin Shell Red Ridinghood **Robin Hood** Rudolph Three Bears Three Little Pigs To Market Troll Viola Swamp Wee Willie Winkie

#### **OPPOSITES**

above - below add - subtract admire - detest after - before a.m. - p.m. answer - question apart - together arrive - depart ascend - descend awake - asleep back - front bad - good beautiful - ugly beginning - end big - little black - white body - soul bottom - top boy - girl break - repair brother - sister

buy - sell child - adult clean - dirty close - open city - country cold - hot cool - warm crooked - straight cry - laugh dawn - sunset day - night deep - shallow difficult - easy down - up dull - sharp east - west evening - morning empty - full fast - slow fat - thin find - lose first - last follow - lead frown - smile go - come guess - know happy - sad head - foot heavy - light hide - show high - low in - out leave - arrive long - short loose - tight lost - found man - woman many - few more - less mother - father near - far night - day noisy - quiet none - all north - south old - new on - off open - shut over - under part - whole

play - work please - thank you plus - minus poor - rich pupil - teacher push - pull remember - forget right - left right - wrong rough - smooth same - different sit - stand soft - hard son - daughter stop - go strong - weak take - give tall - short teach - learn there - here upstairs - downstairs wet - dry wide - narrow yell - whisper zip - unzip

#### PEOPLE

#### <u>FAMILY</u>

adult aunt baby (ies) boy (s) bride brother (s) child children cousin dad daughter family girl (s) granddaughter grandmother grandfather grandparents grandson husband I (male/female)

man men mother he person\_ she sister (s) stepdaughter stepfather stepmother stepson teenager they toddler twins (male) twins (female) uncle we woman women you

#### **OCCUPATIONS**

accountant actor aide airman animator announcer architect artist astronaut astronomer athelete attorney author babysitter banker barber beekeeper bishop blacksmith boss bridesmaid bullfighter bull rider bus driver businessman butcher

captain carpenter cashier celebrity chef clown cobbler composer cowboy (s) custodian dentist digger doctor driver editor employee engineer explorer farmer fiddlers firefighter (s) golfer guard inspector iester judge king knight librarian lifeguard lion tamer magician maid mail carrier marine matador mechanic milkman miner minister monk nun nurse operator paleontologist paperboy photographer pilot pitcher (baseball)\_ police

pope potter President prince (s) princess (s) principal psychologist queen rabbi ranger referee reporter ringmaster rock climber sailor scientist secretary server shepherd singer surgeon teacher tightrope walker veterinarian waitress weatherman **HISTORICAL** Abraham Lincoln **Benjamin Franklin** King, Martin Luther Thomas A. Edison George Washington Sir Isaac Newton **GROUPS** band (marching) choir crowd group people team tribe **MISCELLANEOUS** angel (s)

ballet

bowler Boy Scout captive captor caveman (men) cheerleader chief coward crusader customer devil (s) elf (ves) emigrant Eskimo (s) everyone fairy (ies) folk friend (s) genie ghost (s) giant Girl Scout gnome (s) goalie goblin (s) graduate guest guide gypsy hero hiker hobo hunter Indian intruder juror jury karate leprechaun mermaid neighbor papoose patient patriot pedestrian pilgrims pioneer pirate (s) poacher robber

Santa Claus skier slave soccer player soldier someone soul student super hero tourist troll vampire winner witch (es) PLACES CITY bridge cemetery circus city dock elevator escalator fair freeway grave harbor intersection kennel movie museum police station stage street subway wharf Z00 backyard doghouse garden

#### NEIGHBORTHOOD

lawn orchard park

pool sidewalk street town picnic playground porch

sandbox

#### IN THE COUNTRY

#### **GEOGRAPHICAL**

Amazon River bay beach canyon cave cliff continent country desert dune equator forest Grand Canyon hill iceberg island jungle lake mesa mountains ocean pond reef river stream swamp valley waterfall world

#### AT SCHOOL

art class cafeteria class college crosswalk gym jungle gym laboratory IN THE C corral farm

music class

office

PE class

restroom

field hay loft hive lane mine path pen (sty) ranch refuge road stable tunnel windmill **PLANTS TREES** acorn (s) branch Christmas tree leaf (ves) maple (leaf) palm tree (s) pine cone (s) pine tree (s) stick (s) stump tree (s) trunk (tree)

#### <u>FLOWERS</u>

bud corsage daisy flower (s) flowerpot iris (es) lei pansy (ies) poinsettia poppy (ies) rose (s) stalk (s) sunflower (s) thorn (s) tulip (s) violets

#### MISCELLANEOUS

bush cactus, cacti cattails fern field garden grain grass grow holly lawn nature plant (potted) root (s) seedling (s) seedpods seeds shamrock (s) sprout (s) vine watering can weed

#### PREPOSITIONS

above across after around before behind beside between by down in in front of off on out/outside through up

#### SCHOOL

#### **SUPPLIES**

backpack binder calculator (s) combination lock compass crayon (s) eraser (s) (pencil) glue lunch box notebook(s) paper paste pen (s) pencil (s) marker (s) protractor ruler scissors slate tablet (s) IN CLASSROOM

abcs / alphabet calendar chalk chalkboard clipboard computer desk dictionary eraser (s) (chalk) file cabinet globe homework lesson lockers microscope paper clip (s) pencil sharpener reading

report card scotch tape spelling stapler sticker (s) story wastebasket words workbook (s)

#### MISCELLANEOUS

art class crosswalk gym class lunchroom math class music class playground sandbox school zone science class seesaw slide swing (s)

#### **SCIENCE**

all planets amperes amplitude atmosphere atom attract bar magnet barometer centimeter (s) chemical concave convex core core sample current (electrical) direct current earth layers electron (s) electromagnet frequency inner core magnet

mantle molecule nucleus outer core parallel circuit prism refraction repel series circuit transformer volts watts

#### **SEASONS--**HOLIDAYS

Fall/Autumn Winter Spring Summer Seasons Holiday

Birthday age card blow candle (s) cake (s) gift (s) how old

party

Christmas angel (s) bell (s) candle (s) candy cane (s) Christmas tree church decorate elf (ves) holly ornament (s) Rudolph Santa Claus sleigh star (s) stocking wreath

Hanukkah Menorah dreidle Star of David Easter bunnv basket Easter Easter egg (s) Halloween brew carve costume ghost (s) goblin (s) haunted house jack-o-lantern (s) mask pumpkins skeleton trick-or-treat witch (es) Memorial Day flowers grave memorial St. Patrick's Day lad (s) lass (es) leprechaun pot-of-gold shamrock (s) Thanksgiving feast Indian

Pilgrim (s) Thanksgiving

turkey (s)

wishbone

Valentine's Day

stuffing

card

heart (s)

**SHAPES** angle arc circle (s) cone cube (s) cylinder (s) diamond (s) heart (s) hexagon (s) oval (s) quadrangle (s) rectangle (s) shapes square (s) star (s) triangle (s) SPORTS BASEBALL

love

valentine

valentines

ballgame balls (s) base (s) baseball (s) baseball field basketball (s) bat (s) batter bleachers mitt

#### BOWLING

bowler bowling ball bowling pin

#### FOOTBALL

cleat (s) field goal football (s) goal post

helmet (s) pass penalty punt referee score stadium touchdown

#### BASKETBALL

dribble gymnasium hoop shoot

#### **TENNIS**

hit racket rackets tennis court tennis ball

#### SOCCER

goal goalie kick soccer soccer ball (s)

#### <u>GOLF</u>

caddy golf golf bag golf ball putt tee

#### **HOCKEY**

hockey puck

#### **TIME WORDS**

after afternoon

age all days of the week all months of the year a.m. before calendar clock date day dinnertime halftime hour midnight minute morning night p.m. seasons second ((time) sometime sunrise sunset time today tomorrow week weekend when vear yesterday

#### TOOLS

anvil ax (es) brad broom (s) bushel (s) cell phone (s) chisel computer (s) cord drill dustpan (s) fan (s) fire extinguisher (s) flashlight (s) hammer (s) harrow hoe (s)

hose (s) ladder (s) lawn mower mop (s) nail (s) oar (s) pail (s) paint paintbrushes pickax (es) pliers plow pump rake (s) rope (s) saw (s) screw (s) screwdriver shovel (s) sledgehammer (s) spade (s) tack (s) tape measure tools typewriter vacuum (s) wheelbarrow wire wire stripper wrench (s) TOYS

ball (s)

balloon (s)

beach ball

block (s)

book (s)

bubbles

clay

basketball (s)

coloring book

crayon (s)

dart (s)

dreidel

frisbee

football (s)

easel

dice

doll

game jump rope kite (s) marbles model piñata puppet (s) puzzle rattle robot roller blades roller skates sandbox scooter skateboard sled snowboard spinner sticker (s) story teddy bear toys video game wagon (s) whistle yo-yo

#### VEHICLES

airplane (s) ambulance (s) ark barge (s) bicycle (s) blimp (s) boat (s) buggy bulldozer bus (es) camper canoe (s) carriage car(s) cart (s) cement truck city bus convertible covered wagon crane cruise ship

dogsled (s) dump truck	WEATHER
fire truck	haromatar
floot	blizzord
neel	olouda
glidar	cold
bong glider (g)	fog
hang glider (S)	log
halioontar	hurricono
het ein helleen (e)	lightning
not all balloon (s)	nghuning
Jeep (s)	Talli
Kayak (S)	rainoow
Ineboat (S)	SHOW
locomotive	snownake
motorboat (s)	sunny
motorcycle	tnunder
police car	tornado
race car (s)	weather
rait	Wind
riverboat	
roadgrader	* * * * * * * * * * * * * * * * * * *
rocket	
rowboat (s)	
sallboat (s)	All US. States
semi truck	
snip (s)	All Mexican States
shuttle	
skateboard	<u>C1 1 1 5</u>
sled	Clocks on the 5
sleign	minutes for every
snowmobile (s)	nour.
snowplow	
stagecoach	
streetcar	
stroller	Countries in
submarine (s)	Africa
subway	Antarctica
taxı	Asia
tractor	Europe
traffic	Middle East
trailer	North America
train	South America
transportation	
tricycle (s)	
truck (s)	
uto	
van (s)	
vehicle	
wagon (s)	