HYPERSTUDIO TOOLS

THE BROWSE TOOL
Us it to go through the stack and click on buttons

THE BUTTON TOOL
Use this tool to select buttons to edit..

RECTANGLE TOOL
This tool lets you capture a rectangular area to copy, cut, move, flip, etc. Double-click to select entire window.

CIRCLE TOOL
This tool lets you capture a circular area to copy, cut, move, flip, etc. Double-click to select an area..
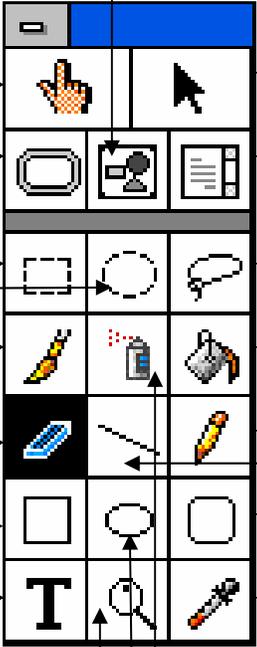
PAINT BRUSH
Draw freehand using one of many different brush shapes.
Double-click to select brush shapes.

ERASER
Set the eraser color and erase.
Double-click to erase entire card.

RECTANGLE
Use this tool to draw rectangles and squares.
Double-click to get a filled in rectangle or square.

TEXT TOOL
Use to "paint" text pm the background.
Double-click to go to Text Style options,

THE GRAPHIC TOOL
Use this tool to select graphics to edit.

SPRAY PAINT CAN
Scatter lots of tiny dots with this tool.

OVAL
Use this tool to draw ovals and circles.
Double-click to get a filled in ovals and circles.

MAGNIFYING GLASS
Zooms you in closer. All the paint tolls work there, too.

THE ARROW TOOL
Use this tool to select any buttons to edit

THE TEXT TOOL
Use this tool to select text boxes to edit.

LASSO
Outline a shape with this tool and it will hug the shape so you can copy it, cut it, delete it, move it, or resize it.
Double-click to select all objects.

FILL TOOL
Use this tool to color a closed shape.

PENCIL
Draw freehand with this tool.
Double-click to go right to the magnifier glass. Keep double-clicking to zoom in closer.

LINE TOOL
Draw straight line with this tool
Double-click to get different line sizes.

ROUNDED RECTANGLE
Use this tool to draw rounded rectangles and squares
Double-click to get a filled in rectangle or square.

EYE DROPPER
Click on a color in the background to select that color.

HYPERSTUDIO PAINT TOOLS PRACTICE

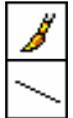**Note:** To undo any operation press Control-Z (Ctrl-Z) immediately.

Start a new stack (Ctrl-N). Now practice working with each Paint Tool. The TOOLS menu can "tear off" from the top menu bar. Click on the TOOLS menu and drag the mouse straight down until the tools menu "tears away" from the Menu Bar. Drag the Tools Palette to the left side of the window. The COLORS menu also "tears" away - do the same with that menu. Work your way through tools below.

Practice with the PENCIL. Choose a color from the COLORS menu and draw something. Hold down the SHIFT key to draw a straight line.

Practice with the ERASER. Erase part of what you draw. Hold down the SHIFT key to erase a straight line. Double-click on the eraser icon with the mouse to erase the entire screen.
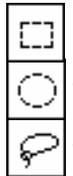
Practice with the PAINT BRUSH and LINE tool. Don't forget to choose a color from the COLORS MENU. Hold down the shift key to draw a straight line. If you DOUBLE CLICK on these tools, you can choose the width of the Paint Brush or the Line Tool.

Practice with the RECTANGLE (choose a color). Draw several boxes. Also try the OVAL and ROUNDED RECTANGLE tools. Hold down the SHIFT key to draw perfect squares and circles. Double click on these tools to get a filled in shape - or vice-versa. Try it!

Practice with the FILL tool (or sometimes called the Paint Can). Choose a color and fill some of the Rectangles you drew.

Practice with the SELECTOR tools. Drag the mouse using the RECTANGLE SELECTOR and make a rectangle around an area on the screen. Now place the cursor in the middle of the rectangle and move the selected area to another part of the screen. Do the same with the CIRCLE SELECTOR. This time "select" an area an press DELETE. Hold down the SHIFT key to select a perfect square. Double click on the selector tool to select the entire background. The LASSO tool works like the SELECTOR tools

Let's start again with a new blank background. Select SET ERASER COLORS from the Options menu and select which color you want. Click on ERASE SCREEN.

Practice typing with the TEXT TOOL. Double-clicking on the "T" takes you the TEXT STYLE options. You can now choose a color, font, font size. Click OK. Now click on the screen and type.

Practice with the SPRAYPAINT CAN. Click the mouse quickly as you drag it, or just hold the mouse button and drag. Hold the SHIFT key down while you drag and click to spray a straight line.

Practice with the MAGNIFYING GLASS. Click on the magnifying glass and the click on any part of the screen that you want to edit. You enlarge that part of the screen. You may now edit "pixel by pixel." You may use all the other tools when you are using the magnifying glass. If you click on the screen again, you get even more magnification (you may click on to 3 times). Try holding down the CONTROL key while you hold down the mouse button and and drag the mouse. You will view other parts of the background.
To quit using the magnifying glass, press the ESCAPE key.

Practice using the EYE DROPPER. Click on a color in the background. That colors becomes your new color to draw or paint with.

Practice with all the paint tools—become a "Hyperstudio Picasso."

HYPERSTUDIO KEYBOARD SHORTCUTS

MOVING AROUND
Back one card	Ctrl - ~
Go to first card	Ctrl -1
Go to last card	Ctrl - 9
Go to previous card	Ctrl - <
Go to next card	Ctrl - >
Jump to care	Ctrl - J

EDITING
Undo	Ctrl - Z
Cut	Ctrl - X
Copy	Ctrl - C
Paste	Ctrl - V
New Card	Ctrl - N

WORKING WITH FILES
Open Stack	Ctrl - O
Save Stack	Ctrl - S

GRAPHICS AND BACKGROUND
Add Clipart	Ctrl - A
Add a Graphic	Ctrl - G
Import Background	Ctrl - I
Export Screen	Ctrl - -E

ADDING BUTTONS AND TEXT ITEMS
Add a Button	Ctrl - B
Add a Text Item	Ctrl - T

WORKING WITH TEXT
Find Text	Ctrl - F
Find Next Occurrence	Ctrl - Shift - F
Text Style	

PRINTING
Print	Ctrl - P

COLORS
Standard Colors	Ctrl - K

SHOW/HIDE MENU BAR
Menu Bar	Ctrl - M

FORWARD/BACKWARD
Bring Object Closer	Ctrl - +
Send Object Farther	Ctrl - -
Bring to Front	Ctrl - Shift - +
Send to Back	Ctrl - Shift - -

TOOLS COMMANDS

Toggle between [hand] and [arrow]   Press SHIFT/TAB

Toggle between [hand] and [selector]   Press SHIFT/CTRL/TAB

HYPERTEXT LINK
Create Hypertext Link	Ctrl - L

QUICK COPY
To copy a background selection, draw a rectangle around it with the SELECTOR tool and hold the CTRL key while you drag away a duplicate of the selected area.

SET PREFERENCES
Preferences	Ctrl - ;

QUIT HYPERSTUDIO
Quit	ALT– F4

HYPERSTUDIO 4

STARTING HYPERSTUDIO
SETTING UP THE FIRST CARD

HINT: Anytime you make a mistake, Press **CTRL-Z** to "undo" the mistake. Do it right away or you will lose the chance to undo the mistake.

Start Hyperstudio 4
1. Click on **Start**, then click on **Programs**, then click on **Hyperstudio** (the folder), then click on **Hyperstudio 4** (the application)

3.. There are **2 ways** to start a new stack:
   - Click on the New Stack icon
   - Click on the File Menu, then click on New

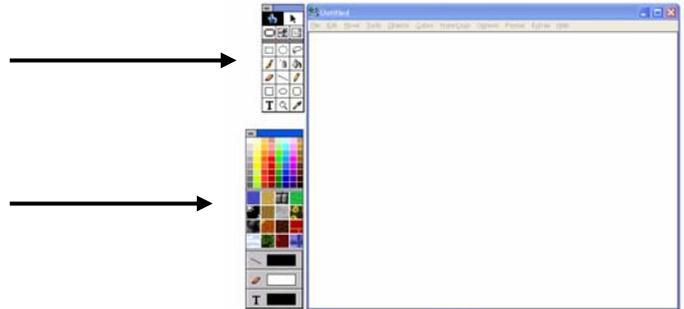4. Choose **one of the ways** to start a new stack

5. You will get a message:
   "**In the new stack, do you want the same card size as the current stack**."

6. Click on **No**—we will change the size of the cards in this stack.

7. Change the **width** to **640** and change the **height** to **480**. (*Notice, you can make this the default size).*

NOTE: This is a good size for all computer screens. There are still some 640 x 480 monitors being used. If you make the size of the card any larger, the stack will not be viewable on these smaller screens.

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7. Tear off the **Tools Palette** and drag it to the left. Click on hold down the mouse button on the **Tools menu.** Drag **downward** until the Tools Palette "tears" away from the menu bar and then drag it to the left side of the Hyperstudio window

8. Tear off the **Colors Palette** in the same way. Drag it to the left under the Tools Palette.

7. Click on the **Edit menu** and select **Preferences**. Click in the box next to "**I'm an experienced Hyper-studio User**." Click **OK**. (*Notice when you do this the Colors Palette expands to include many more colors*).

8. You may have to move the **Colors Palette** to the left a bit. Click on the bar just above the first row of colors and drag it the palette to the left so that it is not sitting on the Hyperstudio Window.

9. Click on the **File Menu** and select **Import Background**. Click **OK**.

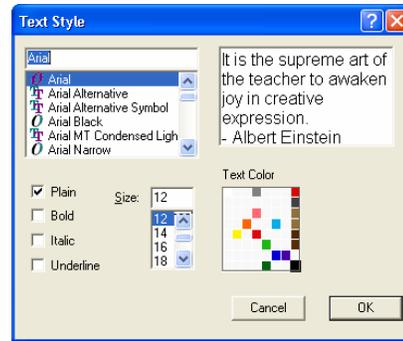10. Click on the **Backgrounds folder** and click on **Open**.

11. Click on **Fantasy** and click **Open**.

12. Did you notice that your colors palette changed to reflect the colors that are in the background you just imported. It may look like you have lost a lot of colors - but you really haven't. Click on **Options** menu and select **Standard Colors**. Now you have you Standard Colors palette back again.
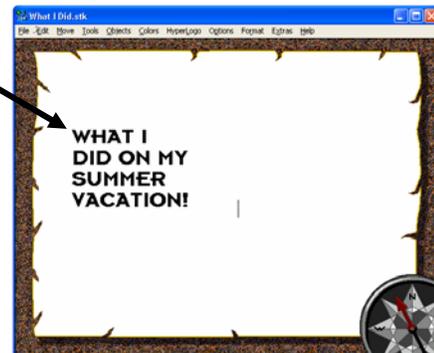

You did it! Next Lesson – Adding Text and Clipart

THE FIRST CARD - ADDING TEXT AND CLIPART

1. Click on the **Text Tool** in the Tools Palette (The "T")
   Click on **Format Menu** and select Text Style.
   Choose a **Font** from the list of fonts.
   Choose "**24**" for the Font Size.
   Click on **Bold**.
   Choose a **color** for the font.
   Click on **OK**

2. Now place the **cursor** ("I-BEAM") on the left side of the page.
   Click the mouse and **type**:
   > **WHAT I** <rtn>
   > **DID ON MY** <rtn>
   > **SUMMER** <rtn>
   > **VACATION**!

3. Click on the **File Menu** and select
   Add Clipart. (or press Ctrl-A)
   Click **OK**.
   You have to find the **Clip Art Folder**.
   Click on the "**Up one level**" icon
      and you should see a list of folders. Click on the **ClipArt folder** and click on **Open**.
   Click on the **Beach** picture and click **Open**.

4. Click on the **Square Selector** (⬚) and drag a "square around the picture
         of the beach.
   (HINT: Start in the lower right hand corner and drag upward and to the left).
   Click **OK**
   Click in the **center** of the picture and drag the picture to the right side
         of the screen.

5. Ok—Let's **save** the stack. It is important to save your work early and often.
   Click on the **File Menu**. Click on **Save Stack As**.
   Type in a **name** for your stack - like: **My Summer Vacation**
   Choose a **location** for saving your stack. Click on the **downward** pointing arrow,
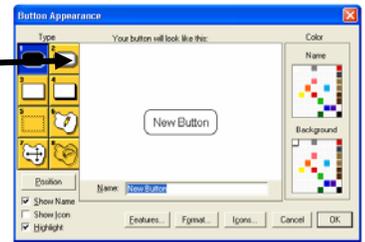   and choose **Desktop**.
   Click **Save**.

That's it! - Next Lesson - Adding a Buttons

ADDING A BUTTONS | **HINT:** I like to use shortcut keys—you will see shortcut keys in 120parenthesis for many

Adding a Sound Button (You need to have your microphone ready to go).
1. Click on the **Objects Menu**. Click on **Add a Button**. (You can also press Ctrl-B)
    On the left side under **Type** (of button), click on **2**.
    In the **Name box**, type **Click Here**.
    For the **Background Color**, choose **Yellow**. For the **Name Color**, choose **Blue**.
    Click on **Format**. For **Size**, choose 12. For the **Font**, choose **Arial**. Click **OK.**
    Click **OK** again.

2. **Click in the center of** the button and drag under the text.
    Click **outside** the button (anywhere on the card) to set
       the button in place.
    In the popup window, click on **Play a Sound**.
    Click on **Record**, say the words,
       ”**What I did on my summer vacation**.” and then click on **Stop**.
    Click on **Play** if you want to hear it. Click **OK** - click **Done**.

3. Try your new button. Get the Browse Tool ([🖑]) and click on the button.

Adding a Connecting Button (to the next card.)
1. First let's add another card. Click on the **Edit Menu** and select **New Card** (or press Ctrl-N)
    Add the same **background** as the first card. *(Do you remember how?)*
    Click on the **File Menu** and select **Import Background** (Or *press Ctrl-I).* Click **OK**.
    Click on the **Backgrounds folder** and click on **Open**.
    Click on **Fantasy** and click **Open**. (*You have to click on Options and then Standard Colors again).*

2. Move back to the **first card** by clicking on the **Move Menu** and selecting **Previous Card**. You can also press
    Ctrl-< (the same as the comma key).

3. Click on **Objects Button** and select **Add a Button** (Ctrl-B)
    Click on **4** in the **Type section**. In the **Name box**, type **Next Page**.
    In the **Color** section, choose a color for the background and choose a color
       for the name.
    Click **OK** and then click in the center of the button and drag it to the bottom
       center of the card.
    Click **outside** the button (anywhere on the card) to set the button in place.
    In the popup window, click on **Play a Sound**.

4. Now you have 3 choices to choose a sound from -   **Samples**, **In Use**, or **Disk Library**.
    We will use a sound from **Samples** (it should already be selected).
    Click on **Belltree**. Click on **Play** if you want to hear it - then click on **OK**.
    Click on **Next Card** on the left side. The left side contains the transitions. Click on
       Left to Right it probably already is selected). For the speed, leave at **Fast**.
    Click **OK**.
    Click **Done**.

5. Now before you try your new Next Page button, press **Ctrl-S** to save the stack.

6. Click on the **Browse Tool** (or press Shift-Tab)**-**and click on the **Next Page** button.

7. Did it work? You finished the first card - You should be on the 2nd card.

Great Job - Next Lesson - Adding a Text Box and adding a Graphic

ADDING A TEXT BOX and ADDING GRAPHICS

1. You should be on card 2. Click on the **Objects Menu** and then click on **Add a Text Object** (Ctrl-T)
    Click somewhere on the card **outside** the text box.
    A dialogue box appears where you can choose from several options.
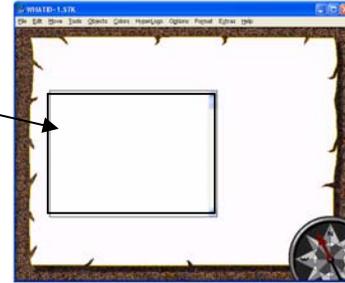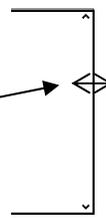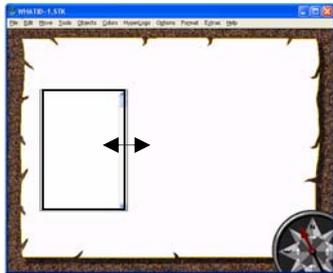   > **Text color** - Choose brown
    > **Background color** - Leave the background white
    > **Style** - click on the Style button. Select a font and choose size 14.
    Click **OK**. Click **OK** again.

2. Choose the **Arrow Tool** (Ctrl-Tab). Click in the text box and it
    move to the **left side** of the card.

3. Resize the text box. Place the cursor on the
    right border of the text box and when it turns
    into a double arrow, **click and drag** to the left.
    Make the box about the size as shown below.

4. Choose the **Browser tool** (or press Ctrl-Tab) - that's the hand - and click **inside** the text box.
    Type **several sentences** about what you did on your summer vacation - or what you plan to do on your
    summer vacation - or what would be your dream summer vacation.
    When you fill up the text box, notice that a scroll bar will appear on the right side of the text box.

5. We will add a **graphic** to the card. Graphics are different than clipart. Graphics "**float**" on top of the
    background while clipart is actually a part of the background.
    Click on the **Objects menu** and select **Add a Graphic Object** (or press Ctrl-G). Click **OK**.
    Click on the **Clip Art** folder and click **Open**.
    Click on the **Show Preview box.** Click on the first graphic. Now use the **down arrow** to view the various
    graphics. When you find one that you want to use, click **OK**.

6. Click on the **lasso tool** (⬭). Carefully, draw a **circle** around the graphic
    be careful not to touch the graphic.
    When you are finished, click **OK**.
    Click in the **middle** of the graphic and move it to the **right side** of the card.
    Click **anywhere** on the card - but not on the graphic - to set the graphic in place.
    Click **OK**—you don't need to do anything in the Graphic Appearance dialogue box.

7. Add a couple more graphics to the right side of the card.

8. Add a **new card** to your stack (Ctrl-N)
    Add the same **background** to the new card (Ctrl-I)
    Move to the **previous card** (Ctrl-<)
    Add a **connecting button** to go to the next card (Ctrl-B)

9. **Save your stack** - **Ctrl-S.**

You're doing great! - Next Lesson - Importing Text and Animation.

IMPORTING TEXT AND ANIMATION

1. Get the Browse tool (the hand) and click on the button to go to the next card (the 3rd card). Add a **text box** (Ctrl-T). Click **outside** the text box.
   Click on **Get File** - we are going to import a text file.
   You may be in the **Text** folder **-** if you are not, open the **Media** folder - you will see the **Text** folder
   Select the **Dog Poem** and click **Open**. Click on a color for your text.
   NOTE: You can type text in a word processor and save it as a text file (.txt) and then import it into a text box.
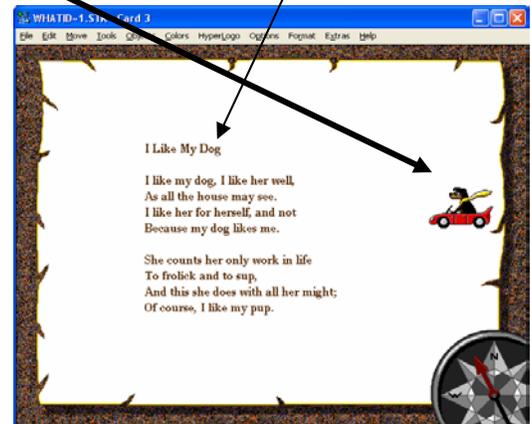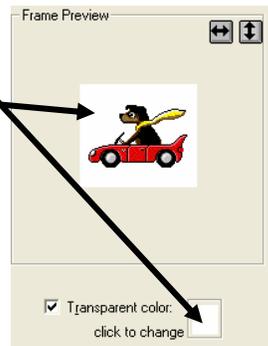
2. Click on the **Arrow tool** (Ctrl-Tab). **Double**-**click** on the text box.
   Click in the box next to **Draw Scroll Bar** (de-select it).
   Click in the box next to **Scrollable** (de-select it).
   Click in the box next to **Draw Frame** (de-select it). Click **OK.**
   Now resize the text box so that only the first **2 verses** of the poem are showing in the text box. See below.

3. Add an animation. Add a **button** (Ctrl-B)
   Make it an **invisible button** - **# 5** on the left hand side.
   Click **OK**.
   Click **inside** the button and **drag** it to the upper right hand corner of the screen.
   Click **outside** the button (anywhere on the card).
   Click on the box next to **Play Animation**.
   Click on **Disk Library.**
   Click on the **Animation folder** and click **Open**.
   Click on **Addycar** and click **Open**

4. Move the **car** (cursor) to the **right side-center** of the window - not out of the window.
   Click and hold the mouse button down while you **drag** the car
       across the **middle** of the screen (from right to left).
   When you get to the **extreme left hand side**, let the mouse
       button up. Then press the **Enter key**.
   Click on the **white box** next to
       Transparent Color.

   Click the **eyedropper** in the **white
       box** that the car is in. Be sure to
       click on **white**—not on the **picture**.

   Notice all the other options in this dialog box. We won't
       change any of them - Click **OK**.
   Click on **Automatic Timer**. Click on **Activate Button after
       card is shown**. Change the seconds from **3.0 to 2.0.** Click **OK**.
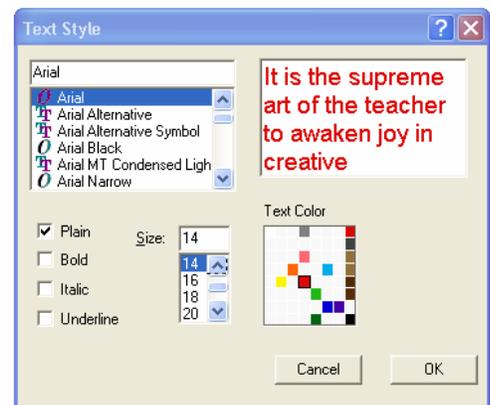   Click **Done**.

5. **Save your stack** - press **Ctrl-S**

6. Move to the **previous card** - press **Ctrl-<**
   Get the Browse tool and click on the **Next Card** button to check out your animation.
   Remember - there is a 2 second delay in the animation.

Wow you're almost done! - Next Lesson - Finishing the stack!

FINISHING THE STACK

1. Add a **new card** - Press Ctrl-N.
   We will add a connecting button to this card. (This is card 4)
   Move **backward** to Card 2 - Press Ctrl-< 2 times.
   You should be on **Card 2**.

2. Get the **Arrow Tool** (Shift-Tab - sometimes you have to press Shift-Tab twice to get to the Arrow Tool).
   Click **once** on the **Next Page** button.
   Copy the button - the shortcut key to copy is Ctrl-C.
   Move to Card 3 - press Ctrl->
   Paste the button - the shortcut key to paste is Ctrl-V.

3. **Move** the button if necessary. Just click on it and drag it to where you want it.

4. Get the **Browse Tool** (Ctrl-Shift).
   Click on the **Next Page** button to go to Card 4.

5. Add the **computer graphic** to this card.
   Add a **Graphic** (Ctrl-G). Click **OK**.
   Find the **Clip Art folder**—and click on the **Computer graphic**—Click **Open**.
   Use the **Lasso** to draw a circle around the computer—be careful that you don't touch the computer.
   Click **OK**.
   Move the Computer to the middle of the screen.
   Click **anywhere** in the window - but not on the computer.
   Click **OK**.

6. **Double-click** on the **Text Tool** in the Tools Palette (the "T").
   The **Text Style** box appears.
   Select a **Font** (probably around 18).
   Select a **Size**.
   Select a **Color**.
   Click on **Bold**.
   Click **OK**.

7. Type the words:
   I had a great vacation
      above the computer.

8. **Add a button** (Ctrl-B)
   For **Type**, select 4.
   For **Name**, type: The End
   Pick a **Name color** and pick a
      Background color.
   Click **OK**

9. **Move** the button under the computer.
   Click **outside** the button.
   Click **Next Card** (on the left).
   Click **Left to right** in the transitions. Click **OK.**
   Click **Done**.

10. **Save Your Stack - Ctrl-S.** Get your **Browse** tool and click on **The End** Button.

Congratulations - you finished your stack - go to card one and try your stack.