1. Click on Start.
2. Click on MicroWorlds.

1. Open the MicroWorlds folder.
2. Double-click on the

NOW ENTERING

MicroWorlds™

2.0

USE THESE
TO CREATE
OBJECTS

THIS IS
YOUR PAGE.

LOOK! THIS IS
THE LOGO
TURTLE

YOUR WISH
IS MY COMMAND

AND THESE
TO PLAY
WITH THEM.

WHERE
TO FIND
HELP

Help menu
Vocabulary
Last Message

Help Topics
only

Look up more
in your User's Guide.

THE CENTER
CAN BE FOR COMMANDS,
SHAPES OR DRAWING.

OBJECT CREATION TOOLS
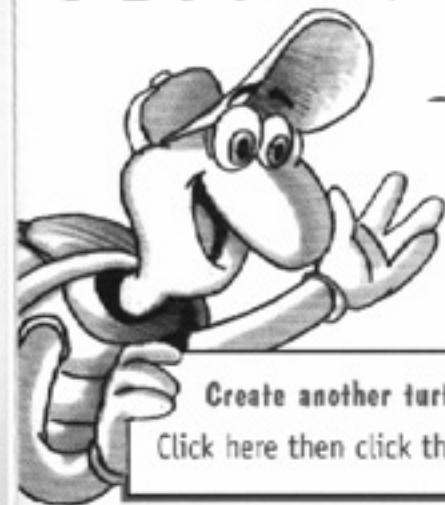
Create another turtle.
Click here then click there! That's it! You can create many turtles!

Create a text box to write something.
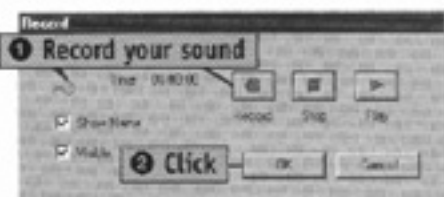Click here then click there! That's it! **cool!** Click inside and start typing.

text1

Record a sound.
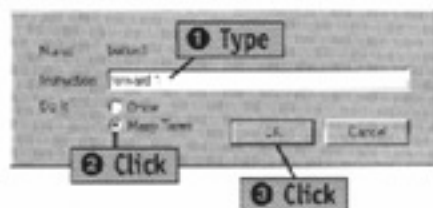Click here then click there!

OOPS, YOU NEED A MICROPHONE!

Record
❶ Record your sound

☑ Show Name
☑ Visible   ❷ Click   OK   Cancel

Name your sound and save it if necessary. That's it!
Click the 🔊 to hear it.

sound1

Create a button to run a Logo command!
Click here then click there!

YOU NEED A TURTLE FOR THIS EXAMPLE.

Name: button1   ❶ Type
Instruction: forward 1
Do It: ○ Once
         ● Many Times   OK   Cancel
❷ Click   ❸ Click

That's it! Click **forward 1** to see what happens!
Click again to make it stop.

Play a video clip.
Click here then click there!
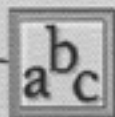Pick a movie from the Movies folder.

CLICK TO START

Geyser   That's it!

GREAT!
TURTLES, TEXT, MUSIC...
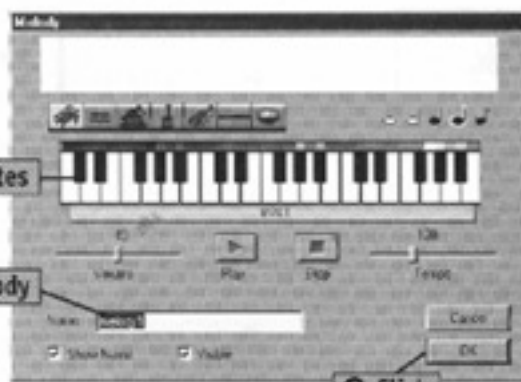WHAT MORE DO I NEED?

Compose a melody with a piano keyboard.
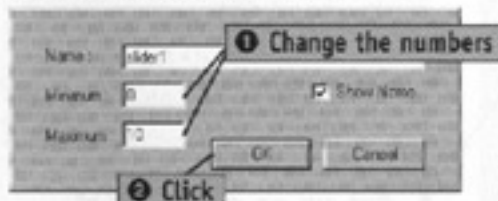Click here then click there!

❶ Click on notes

❷ Name your melody

❸ Click

That's it!
Click the melody1 to hear your melody.

Create a slider to vary numbers.
Click here then click there!

LOOK IN TRICKS FOR MORE ABOUT SLIDERS!

Name : slider1
Minimum 0
Maximum 10

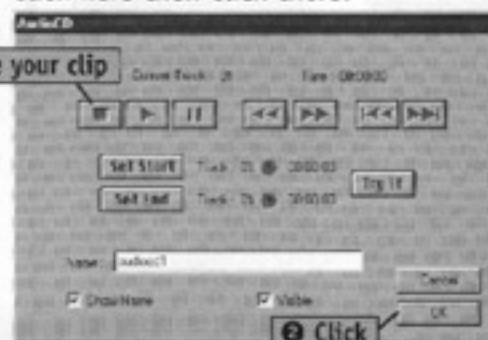❶ Change the numbers
Show Name
OK   Cancel

❷ Click

That's it!

DRAG THE POINTER.

slider1   50
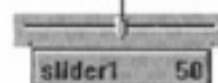
Create an audio CD clip.
Click here then click there!

DON'T FORGET TO PUT YOUR CD IN THE CD DRIVE EACH TIME YOU PLAY YOUR CLIP.

❶ Make your clip

Set Start
Set End
Try It

Name : audiocd1
Show Name   Visible

❷ Click

That's it!
Click on the audiocd1 to play it.

EDITING TOOLS

NOW FOR SOME FUN!
CLICK ON THE TOOL
AND THEN ON THE OBJECT
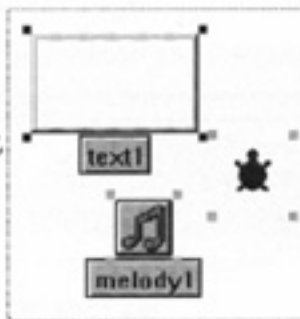TO SEE WHAT HAPPENS!

USE IT TO:
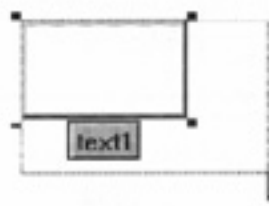
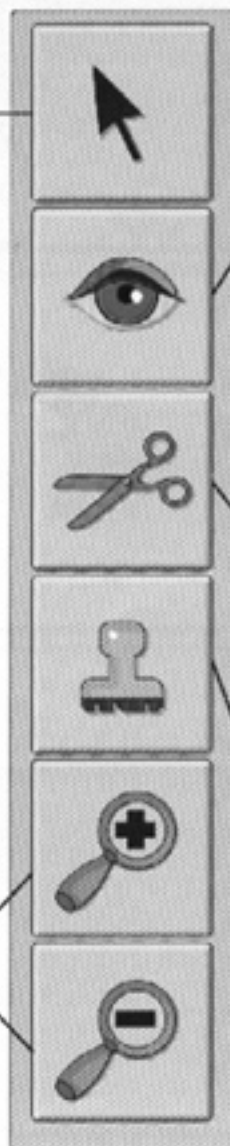• **Move objects.**

• **Click on objects.** forward 1

melody1 to make them work!

• **Select objects** to move, cut, copy, or paste them.

text1

melody1

• **Resize** text boxes or buttons.

text1

Grow and shrink your turtles, buttons, and text boxes.

forward 1
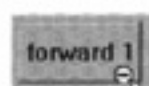
Looks into objects to make changes (even for programming.)

Each object has a dialog box.
Use the 👁 to open the dialog box.

Hello 👁 Click here and click on the text box.

text1

❶ **Click**

Name:
☐ Show Name
☐ Transparent
☐ Visible   Ok   Cancel
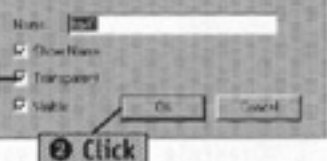
❷ **Click**

Yes!

TRY THE 👁 WITH EACH OBJECT TO FIND OUT WHAT YOU CAN CHANGE!

Cut out an object. ✂   OUCH!

Stamp turtle shapes, text, and movie posters.

USE 🔖 TO QUICKLY DECORATE YOUR PAGE.

Click here and then on the turtle!

DID YOU HEAR A SOUND?

Drag your turtle away.

TRY THIS WITH YOUR TRANSPARENT TEXT!

THE CENTERS

FIND A LIST OF ALL MICROWORLDS LOGO COMMANDS BY CHOOSING VOCABULARY IN THE HELP MENU.

announce [Welcome to MicroWorlds]
setsize 80
repeat 360 [forward 1 right 1]

Press **Enter/Return**

MAKE SOMETHING HAPPEN BY TYPING COMMANDS.

THIS SETS THE TURTLE TO ITS ORIGINAL SHAPE.

THESE ARE EMPTY.

SCROLL TO SEE MORE SHAPES.

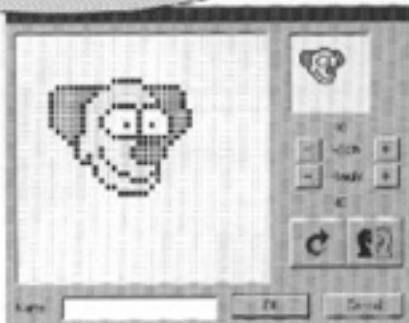To change the turtle's shape: Click on a shape to select it.
Click on a turtle on the page.

MAKE A NEW SHAPE!

Double-click on an empty shape to open the Shape Editor. Use the drawing tools to make your shape.

YOU CAN EDIT SHAPES THE SAME WAY!

These are the painting tools.

IF YOU MAKE A MISTAKE, CLICK HERE

SCROLL THROUGH THE 10 SHADES OF EACH COLOR.

USE THE SELECTION TOOL TO SELECT A PORTION OF YOUR DRAWING.

LOGO PROGRAMMING

PROGRAMMING TURTLES

Use the [eye icon] to open a turtle's dialog box.

❶ Type an instruction

Name: t1

Instruction: forward 1

Do It: ○ Once ● Many Times

❷ Click   OK   Cancel
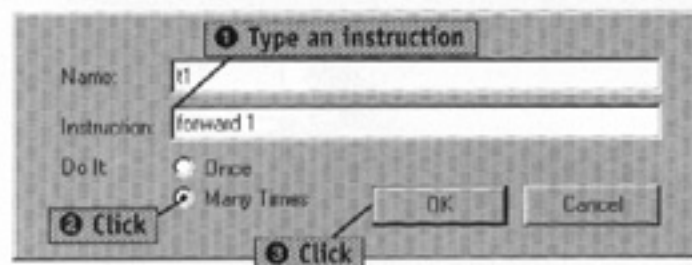
❸ Click

Click [turtle] to see what happens!

PROGRAMMING COLORS

> KEEP YOUR TURTLE GOING FOR THIS EXAMPLE.

Open [icon].

Double click on the blue color!

Instructions for: blue

❶ Type — to program a mouse click.
Mouse: note 60 2

❷ Type — to program a turtle.
Turtle: right 180

○ Once ○ Each Time

❸ Click   OK   Cancel
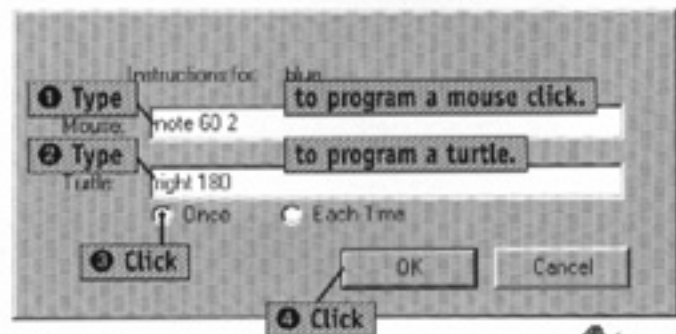
❹ Click

Now make a blue band on your page.

Click on the blue band.

> WHAT HAPPENS WHEN THE TURTLE HITS THE BLUE BAND?

PROGRAMMING BUTTONS

> WE DID THIS ALREADY!

WRITING PROCEDURES

> HELP! THE INSTRUCTION IS TOO LONG FOR MY DIALOG BOX.

The Procedures Page is where you write procedures. Choose Procedures from the Pages menu.

Pages
New Page
Name Page...
Duplicate Page
Procedures   Ctrl+F
Transitions...
✓ page1

Type:

to square   Title line starts with To
pd   Instructions
repeat 4 [fd 50 rt 90]
end   End line

A procedure is a list of instructions with a name. You can choose your own name.

Choose Page1 from the Pages menu.

Pages
New Page
Name Page...
Duplicate Page
Procedures   Ctrl+F
Transitions...
✓ page1

square

> TRY YOUR PROCEDURE BY TYPING ITS NAME.

Remember to press **Enter/Return**.

> YOU CAN ALSO PUT YOUR PROCEDURE IN A BUTTON OR A TURTLE.

COME AND SEE MY BAG OF TRICKS!

TRICKS

1 Change the turtle's heading by dragging its head.

HEY, YOU CAN ONLY DRAG THE ORIGINAL TURTLE SHAPE!

2 Use buttons to change pages!
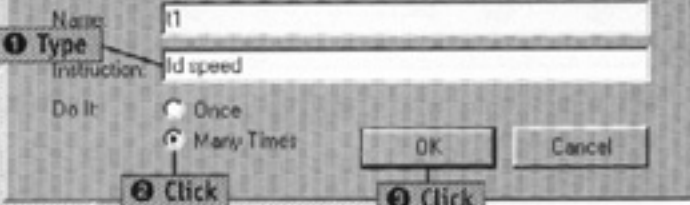
• Choose New Page. It's Page2. Draw something.

Pages
New Page
Name Page
Duplicate Page
Procedures   Ctrl-F
Transitions...
✓ page1

• Create a button on Page2.

Name: button1   **❶ Type**
Instruction: page1
Do It: ○ Once
              ○ Many Times   OK   Cancel
                              ❸ Click
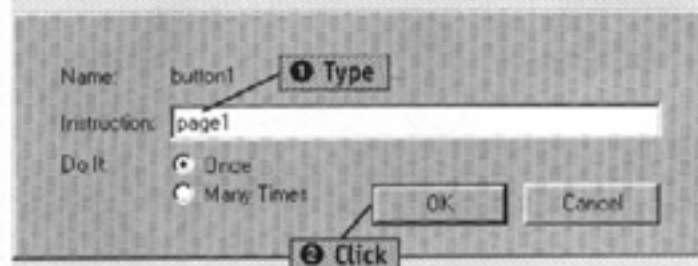
• Click page1 . That's it!
• Now create a button on Page1 with **page2** as its instruction.

page2

3 Control the turtle's speed with a slider.

• Create a slider.
• Change the maximum value to 10 and the minimum to -10.
• Open the turtle's dialog box.

Name: t1
❶ Type
Instruction: ld speed
Do It: ○ Once
              ● Many Times   OK   Cancel
           ❷ Click   **❸ Click**

• Click 🐢 to move it.
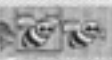• Drag the pointer.
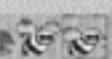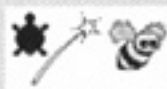   Speed   10
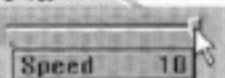
4 Animate the turtle.

TRY THIS WITH YOUR TURTLE FROM TRICK 3.

• Open the Shapes Center.
• Hold down the Shift key (Keep it down while you do the following)
  1. Select .
  2. Click on the turtle to change its shape.
  3. Select .
  4. Click on the turtle to change its shape.
• Release the Shift key and click on the turtle to start the animation!
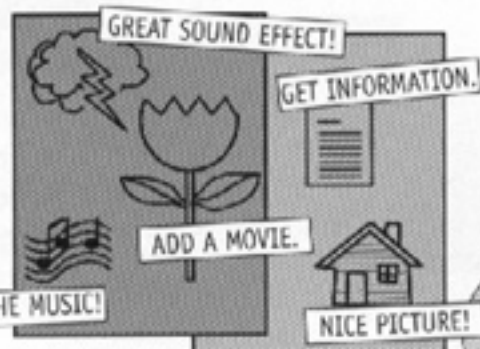
LIGHTS, CAMERA, ACTION!

Let's make a multimedia sample!

⊞ Look in the Media folder for pictures, music, and sounds. Look in the movies folder for movies.

 Look in the Media folder for pictures. Look in the Movies and Sounds folder for movies and sounds.

File Edit Text Pages Gadgets Help

New Project   Ctrl+N
Open Project... Ctrl+O
Import ▸   Music
Save Project Ctrl+S   Picture
Save Project As...   Sound
                        Text
Page Setup...   Video
Print Page...   Ctrl+
Print Pr...

⊞ only: TRY OUT THE MUSIC!

GREAT SOUND EFFECT!
GET INFORMATION.
ADD A MOVIE.
NICE PICTURE!

Create a button on each page to change pages.

Don't forget your animated turtles!

Add some drama with transitions when changing pages.

Pages
New Page
Name Page...
Duplicate Page
Procedures   Ctrl+F
Transitions...
✓ page1
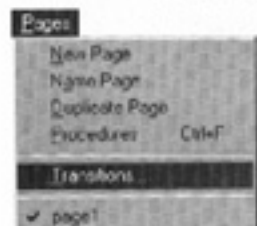
Wow!

Ready to roll!

Make sure your project is working before the presentation! Choose Presentation Mode from the Gadgets menu.

Gadgets
✓ Tool Palette
✓ Tool Sounds
✓ Command Center
Presentation Mode

WHEN YOU CREATE A MULTIMEDIA PROJECT, CREATE A FOLDER FIRST. COLLECT ALL OF YOUR MEDIA IN THIS FOLDER SO MICROWORLDS WILL FIND IT WHEN YOU RUN YOUR PROJECT!

WHAT TO DO NEXT

⊞ Look in MicroWorlds Basics in the Help Topics.

 Look at Basic Techniques in the User's Guide.

Start the Weather Module. Try the Activities. Explore and have fun!

For more information, contact us at LCSI:
1-800-321-5646
info@lcsi.ca
http://www.lcsi.ca