

101+ Ideas for Logo

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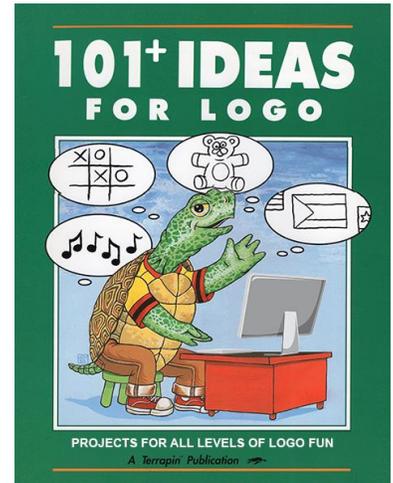


INTRODUCTION

101+ Ideas for Logo is a collection of dozens of ideas that young programmers can use to get started with coding. It comes free with your Terrapin Logo license for use at school or at home. There are many projects for both beginning and advanced students to explore in all areas of Logo.

KEY to Logo Areas

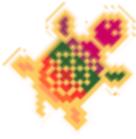
-  = Graphics – drawing with the turtle
-  = Turtle Fun – multiple turtles, shapes, and animation
- ABC** = Word Play – fun with words and language
-  = Music – playing and composing with music
- 123** = Numbers – math games and challenges



LEVEL 1

In these beginning projects, you will give Logo instructions in the immediate mode. You don't need to know how to write a procedure. You'll move the turtle, change its shape, add text to the graphics screen, and play music.

Aim for the Moon			
Colorful Plaids			
Symmetry			
T-Shirt			
Wrapping Paper			
Telephone Music			
The Long Walk			
Skyline			
Repeat Magic			123
Pen Designs			
Butterflies			
Bicycle Wheel			
Growing Shapes			123
Connect the Dots			
Tennis, Anyone?			



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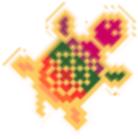


Fun with Turtle Shapes					
Familiar Tunes					
Repeat and Repeat					
A-Mazing					
Star Light, Star Bright			ABC		
Jigsaw Puzzle					
Travel the US					
Airplane Aerobatics					
Message Hunt			ABC		123

LEVEL 2

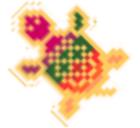
In these projects, you'll write simple procedures using the Logo editor. Sometimes you will combine them to write larger programs. Are you ready to write, edit, and combine procedures in Logo?

Pentominoes					
Slideshow					
Aquarium					
Song Lyrics			ABC		
ABCs					
Mind Reader			ABC		
Directions					
In Plain English			ABC		
Teddy Bear					
Clock					
Tune Blocks					
Fancy Frames					
Tic-Tac-Toe Board					
Playing Tic-Tac-Toe					
Home, Sweet Home					
Building Blocks					



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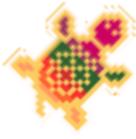


Quilting Bee			
Word Connections		ABC	
Build a Snowman			
ABC Book			
Adventure Story		ABC	
Checkerboard			
School Bus			
String Art			
Stained Glass			
Tangrams			
Inca Tapestry			
Bouncing Ball			123
Ye Olde Pyramid			
Half-time Show			
World Flags			

LEVEL 3

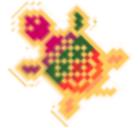
In some of these projects, you will write procedures that take inputs. Using variables gives you lots of power! You will also use and write reporters: procedures that give you back information. Built-in word and list commands help you play with language.

Who's First?		ABC	
Spinach		ABC	
Goldilocks' Chairs			
Letter Sizes			
Word + Word		ABC	
Garden			
Word Changes		ABC	
Ice Cream Scoops			
Mystery Machine			123
Is it a Word?		ABC	



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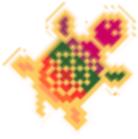


Mandalas			
Silly Sentences		ABC	
So Many Turtles!			
Vacation Postcards		ABC	
Snowflakes			
News Update		ABC	
Musical Instruments			
Fun with Dates		ABC	123
Halloween Recipe		ABC	
Perverbs		ABC	
Coin Flip			123
Playing a Round			
Data Converter			123

LEVEL 4

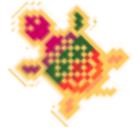
Your programs are getting more complicated! Now you'll get Logo to make decisions. You can look at information and choose one path or another through your program. You can also control recursion using graphics, words and lists, music, and shapes.

Spirals			
Plurals		ABC	
Song Lyrics		ABC	
Rat in the Maze			
Name Spirolaterals		ABC	
Slot Machine			
Pig Latin		ABC	
Robot Race			
Map Maker		ABC	
Piggy Bank		ABC	123
Morse Code		ABC	
Case of Four Bugs			



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LEVEL 5

Now you can do just about anything in Logo! In these projects, you'll get input from the user. You'll store information for the computer to use later, program some entertaining games, and create larger projects.

Miniature Golf			
Menu Choices		ABC	
Piano Chopsticks			
Logic Game		ABC	123
Elevator Fun			123
Planets		ABC	
Hidden Target			123
Roman Numerals		ABC	123
Connections			123
Listen and Play			
Big Adventure		ABC	
Pool Table Fun			123

STUDENT LOG (PDF)

Checklist for students of all the activities in each level.

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