

TABLE OF CONTENT

CHAPTER 1

INTRODUCTION TO CODING AND SOFTWARE

Understanding the basics of coding and software development.

CHAPTER 2

EXPLORE LONG AND SHORT PATHS ON GRID MAT

Learn how to move on the grid mat to find the long and short path.

CHAPTER 3

CHALLENGES WITH LONGEST AND SHORTEST ROUTES ON GRID MAT

Handling challenges using the grid mat.

CHAPTER 4

EXPLORE SEA WORLD ON SEA MAT

Sail through a coding ocean adventure by avoiding obstacles.

CHAPTER 5

OBSTACLE AVOIDANCE ON TRANSPORT MAT

Overcoming obstacles on a transport mat through coding.

CHAPTER 6

INTRODUCTION TO SCRATCH

Introduction to Scratch software and its features.

CHAPTER 7

EXPLORING SCRATCH AND ITS TOOLS

Exploring Scratch interface, function of tools, blocks, and sub-blocks.

CHAPTER 8

AN OVERVIEW OF EVENTS AND MOTION BLOCK

Understanding how to run a program and control movement.

TABLE OF CONTENT

CHAPTER 9

ANIMATE BUTTERFLY WITH EVENTS AND MOTION BLOCK

Creating animated movements using coding for a butterfly.

CHAPTER 10

CHANGE APPEARANCE WITH LOOKS BLOCK

Exploring visual design and coding blocks.

CHAPTER 11

CODING FUN WITH FLYING SPRITE

Implementing code with a control block to animate sprites.

CHAPTER 12

EXPLORE PEN TOOL

Utilizing Scratch's pen tool for drawing and creative effects.

CHAPTER 13

CODING FUN WITH NAME ANIMATION

Using coding techniques to animate text and names.

CHAPTER 14

LEARN FUNCTION OF SOUND BLOCK

Understanding how sound blocks operate and enhancing projects with audio.

CHAPTER 15

CODING FUN WITH SENSING BLOCK

Using sensing blocks to create a digital birthday celebration.
