

Year 4—Coding and programming

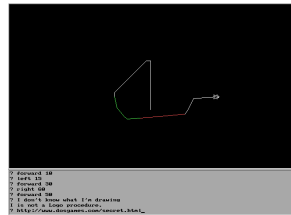
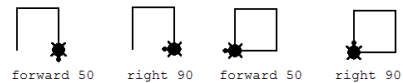
Using Turtle Logo

By the end of this unit we will be able to:

- Write procedures using simple algorithms.
- Change the colour of the pen.
- Write using the label command.
- Draw shapes using setpos or setxy.
- Fill shapes in different colours.
- Draw arcs of different sizes as required.
- Create sophisticated algorithms and procedures.
- Include procedures with variables.

Examples of Turtle Logo

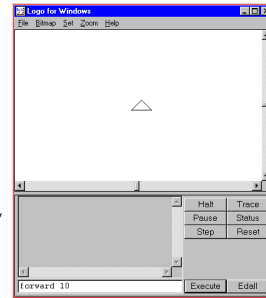
Commands
Fd
Rt
Lt
Repeat
Cs
Pendown
Penup



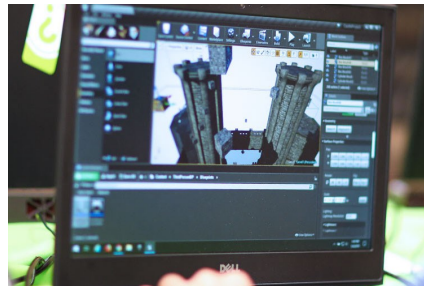
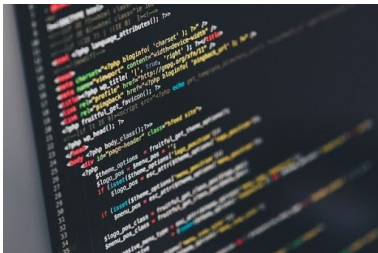
The Turtle

Command History and Error Messages

Next Command



Why is coding and programming important?



Apps/software used in this unit:

Turtle Logo



- Wonder
- Enjoyment
- Love of Language
- Belonging
- Empathy
- Courage
- Kindness

Key Vocabulary

Algorithm	A process or set of rules to be followed in calculations or other problem-solving operations.
Instructions	A direction or order
Commands	A direction or order
Variable	Something that is likely to vary or change.
Coding	The process or activity of writing computer programs.
Programming	The process or activity of writing computer programs.
Command history	This shows the code you have previously entered on Turtle Logo.
Procedure	Where you create a new command by programming an algorithm to be associated with a new command.