

# UNIT 1

## TurtleLogo

### Daily Required Materials

- Teacher HP Stream connected to a projector
- TurtleLogo Guide
- Student handouts
- Student notebooks
- Student HP Streams
- Graph paper for planning or explaining TurtleLogo drawings (*optional*)

### Lesson 1.1 Introducing TurtleLogo

- Drive the Turtle around the screen with the following basic commands:  
clean/fd/bk/rt/lt
- Draw specific shapes using these commands.

### Lesson 1.2 TurtleLogo Words

- Learn how to use the command **repeat** in TurtleLogo
- Learn how to use the editor to store your turtle commands in a text file.

### Lesson 1.3 Words Within Words

- Learn how to make new commands out of simpler ones.
- Learn how to use the editor to store your turtle commands in a text file.

### Lesson 1.4 Adding Inputs to TurtleLogo Words

- Learn the new TurtleLogo words **setcolor** and **setpenseize**.
- Learn the new TurtleLogowords **penup** and **pendown**.
- Write TurtleLogo words with one or more *input variables*.

### Lesson 1.5 Turtle Art

- Explore the color choices available in TurtleLogo
- Learn how to use the words **arc**, **fillscreen**, and **setxy**
- Use a variety of TurtleLogo words to create a unique work of art with geometric shapes