

# BLOCK 2 ~ EXPONENTIAL FUNCTIONS

## TIC-TAC-TOE

### LOOKING BACKWARDS

Use exponential functions to look into the past to answer questions.



See page 73 for details.

### RECURSION MIX-UP

Write arithmetic and geometric recursive routines.



See page 51 for details.

### STORY TIME

Write a story where the character(s) encounter exponential situations.



See page 72 for details.

### HOW-TO BROCHURE

Create a brochure on how to write and graph exponential functions.



See page 61 for details.

### EXPONENTIAL VS. LINEAR FUNCTIONS

Compare exponential and linear functions by finding similarities and differences.



See page 61 for details.

### WHICH BANK?

Examine interest rates from different banks. Create a display to show why a bank should be chosen.



See page 67 for details.

### COMPOUND INTEREST

Use the compound interest formula to answer real-world questions.



See page 68 for details.

### REAL-WORLD DATA

Create a scatter plot of real-world data that forms an exponential curve. Find an equation of best fit.



See page 62 for details.

### ASYMPTOTES

Research functions that have asymptotes and create a display of these functions.



See page 62 for details.