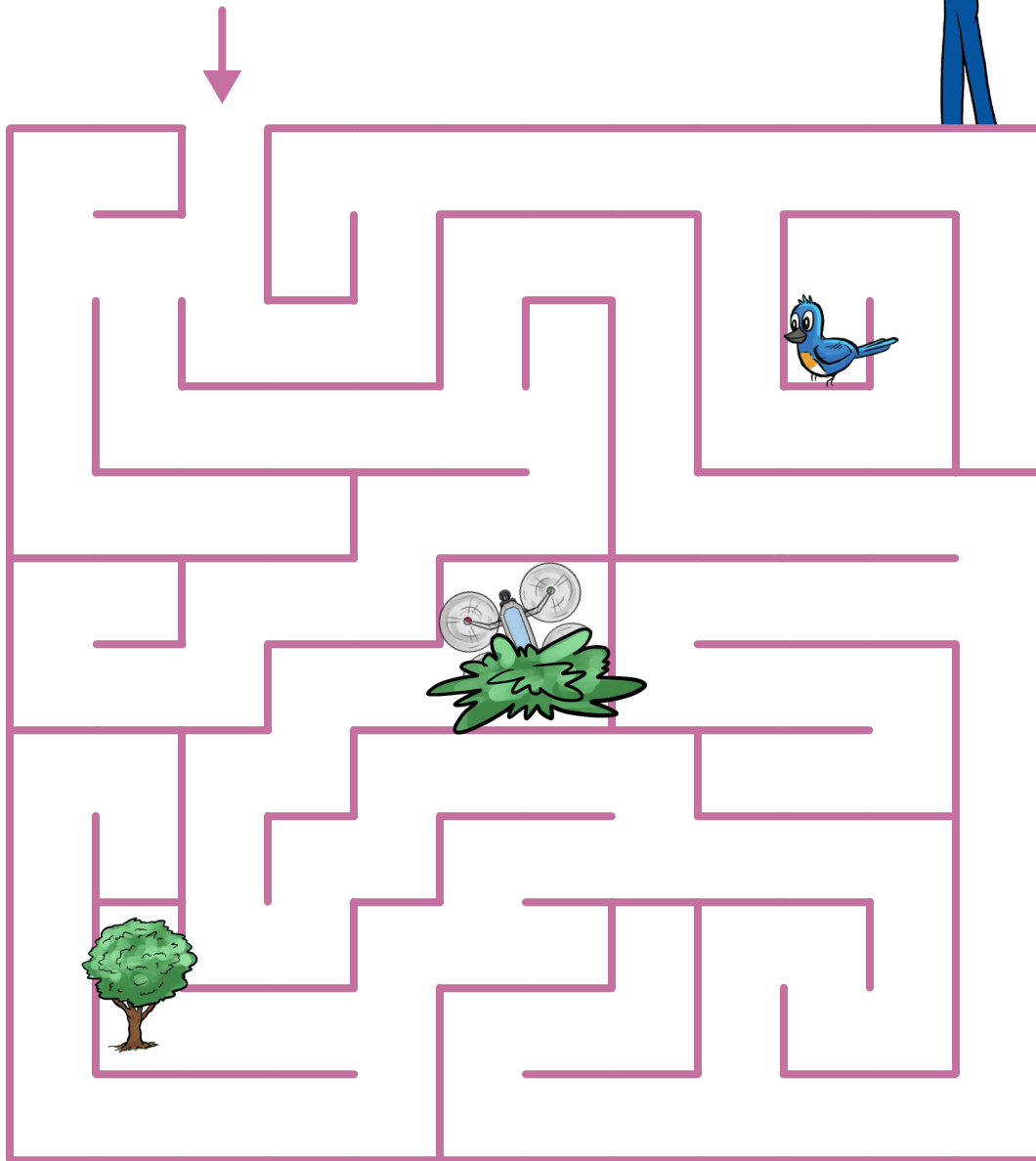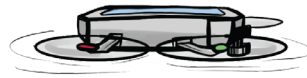# LINDSEY
THE GIS PROFESSIONAL
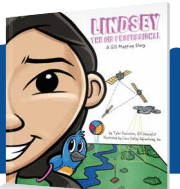
Printable Activities

HELP LINDSEY FIND HER LOST DRONE!

Lindsey flies her drone way up high in the sky to take pictures of the ground for her map of the park. Complete the maze and find Lindsey's drone!

HELP LINDSEY COLLECT DATA AT THE PARK!

WORD SEARCH

```
B  O  H  D  E  A  A  Y  D  K  A  S  G
R  J  I  L  T  D  P  R  P  O  E  R  A
A  E  M  N  E  T  O  Q  A  E  T  L  W
W  N  I  G  S  N  I  N  G  P  I  E  M
E  O  A  U  E  T  Y  O  I  A  L  R  L
P  L  F  L  A  O  W  E  T  I  L  U  O
H  I  G  O  Y  R  G  F  P  O  E  K  H
C  N  R  E  T  S  A  R  H  U  T  V  E
R  D  E  M  A  N  I  X  A  G  A  M  F
W  S  O  B  K  D  N  S  A  P  S  R  N
A  E  C  W  I  A  C  H  V  N  H  E  H
L  Y  R  A  D  N  U  O  B  L  K  Y  A
S  O  G  D  A  T  A  E  Y  O  A  C  E
```
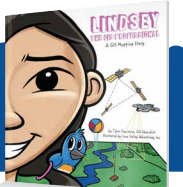
ANALYSIS   DRONE   POINT
BOUNDARY   GEOGRAPHY   RASTER
DATA   LINDSEY   SATELLITE

WORD SEARCH 2

```
R O P L U E D B T I N W E
P H E N R T L O G N F L M
O R S T O M O A S E I O T
L A O B R E P I C N F R N
Y D S F N V G F E S E D O
G E B Z E O B D M X A Y I
O L C C Y S A L D I C R T
N N T I R G S A Q E L V A
A O W E T U B I R T T A C
R S T I C O M T O H G U O
A W L R P H S A X N F C L
Q E P A M O U P I H A O P
S H C H A E V S O K E L H
```
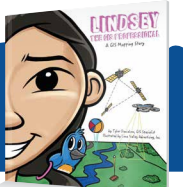
ATTRIBUTE   MAP   SCALE

LINE   POLYGON   SPATIAL

LOCATION   PROFESSIONAL   VECTOR
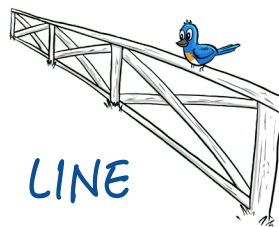
TYPES OF SPATIAL DATA

There are three types of spatial data: points, lines, and polygons (enclosed shapes). Draw lines between each example piece of data and the category it belongs to.
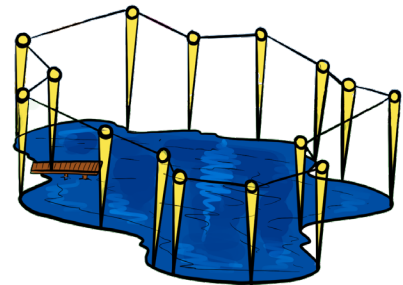

POINT

RIVERS
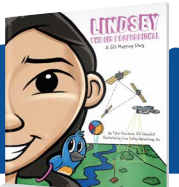
YOUR PARK

STATUES

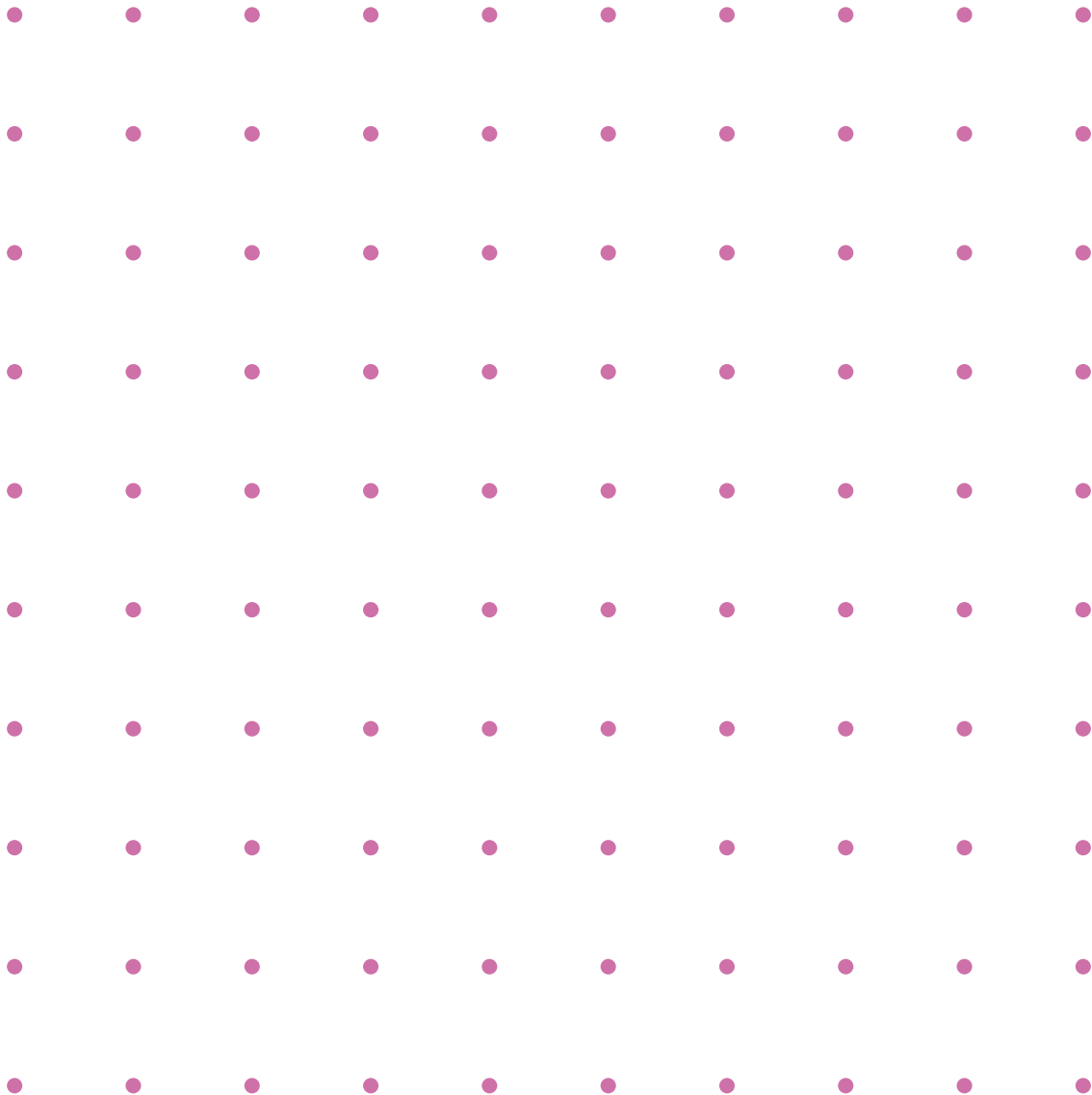LINE

YOUR TOWN
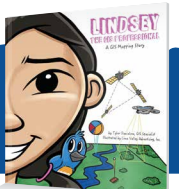
STREET SIGNS

POLYGON

STREETS

DOT CONNECT

With a friend, take turns drawing a line between two adjacent dots (no diagonals!). If your stroke completes a square, write your initials in it. The player with the FEWEST squares at the end wins!

WHERE IS LINDSEY COLLECTING DATA?
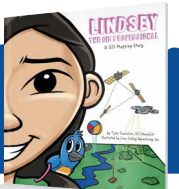
Use your imagination to draw her surroundings.

ATTRIBUTES

An attribute is a piece of non-spatial data about an object. An object's color, texture, and smell are all attributes. Can you match up the attributes below to their object (two each)?

Blue and green

Much taller than me

Green, white, and yellow

Smells nice

Has soft feathers

Makes lots of shade

Round

Likes eating worms

COLLECT YOUR OWN DATA!

Walk around your room, house, yard, or park and record data about what you see!

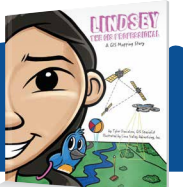Object Name: _____

Location: _____

_____

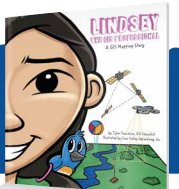Attributes: _____

_____

_____

Picture:

ANALYZING YOUR DATA

Color is a common attribute for data. Walk around your room and, for each object you see, color in one square for that color in the bar graph to represent it. Skip objects that do not have one main color. Stop when you've found 10 objects of the same color.

10	
9	
8	
7	
6	
5	
4	
3	
2	
1	

Red   Orange   Yellow   Green   Blue   Purple   White   Gray   Black   Brown

Once you've finished your graph, think about what the results mean. Are there one or two colors that you have a lot of, or do you have the same amount of every color? Do you have a lot of things that are your favorite color?

When you were collecting the data, did you notice that one part of your room had more of one color than another? Why was that?

DRAW YOUR OWN MAP!

Use the space below to map your favorite place—it can be a park, your backyard, your room, or even your classroom. Use the north arrow and scale bar to show direction and how far things in real life are on the map.