ACTIVITY 2.1
Follow That DART Bus!

DETAILS
TYPE  Whole-group
TIME  20 minutes plus 20 minutes homework (40 minutes total)
PRINTED MATERIALS  Handouts (Reading A Map, Follow that DART Bus! map and Follow that DART Bus! questions)
TECHNOLOGY  Reading A Map PowerPoint (Activity 2.1); SMART Board or computer projector with online access*
PREPARATION  Copy handouts

STANDARDS & SKILLS
TEXAS ESSENTIAL KNOWLEDGE & SKILLS (TEKS)
• Geography: Understands location, distance and direction on maps and globes [113.14 SS (b) (5) B-D]
• Reading and comprehension skills [110.14 F]

LIFE SKILLS
• Map reading skills
• Familiarity of downtown Dallas landmarks

OBJECTIVES
• Learn the basics of map reading
• Follow a bus route and identify features on a map
• Understand relative distances on a map

ESSENTIAL QUESTIONS
Why are maps useful?
What do maps tell us?

*PowerPoint can be found on enclosed DVD.
DISCUSSION POINTS AND MORE
• Go to www.maps.google.com, and type in the address of your school.
• Click on the “Map” and “Satellite” buttons to experiment with the different map types. Zoom in and zoom out with the + and - buttons.
• Discuss “Essential Questions.”
• Review the Reading A Map PowerPoint (Activity 2.1) or review handout (Reading A Map).
• Explain to students they will be reading a bus route map and answering questions about the map.

TEACHER DIRECTIONS
1. Distribute and review handout (Follow that DART Bus! map).
2. Have students locate the compass and various symbols on the map.
3. Demonstrate how to find each of the cardinal directions.
4. Review the bus route on the map. Discuss the landmarks the bus passes on the route.
5. Have students complete the handout (Follow that DART Bus! questions), either in class or as homework.
Map Legend
A section of a map with symbols used to represent things on the map. On your map, for example, the symbol for bus stop is 🚌.

Cardinal Directions
There are four cardinal directions: **North** (N); **East** (E); **South** (S); and **West** (W). There are also four intermediate directions: Northeast (NE); Northwest (NW); Southeast (SE); and Southwest (SW). Can you locate the four cardinal and the four intermediate directions on the compass rose?

Compass Rose
A compass tells you the direction you are traveling—North, South, East or West—or any direction in between. On this compass, North is at the top. South is at the bottom. West is on the left, and East is on the right. On this compass, if you move right, you will be heading East.
**Map Scale**

People often use a map to find out how far it is from one place to another. Since a map represents an area much larger than the sheet of paper it is printed on, a map scale is provided so distances between places can be measured. This is a map scale—a line that represents a certain distance on the map. The map scale shows how to measure miles on the map.

![Map Scale Image]

**Map Scale Questions**

Use a ruler and the map scale above to calculate how many miles each of the following lines represent:

- ___________
  - ____ miles

- _______
  - ____ mile

- ___________
  - ____ mile

- _______________________
  - ____ miles
Map Scale Questions
Use a ruler and the map scale above to calculate how many miles each of the following lines represent:

____________________  2 miles
____________________  1 mile
____________________  1/2 mile
____________________  3 1/2 miles
FOLLOW THAT DART BUS!

Name: ____________________________________________________________

1. On ELM STREET, how many miles would you walk from the DART LIGHT RAIL TRAIN STATION to the MAGNOLIA BUILDING?

____________________________________________________________________________

2. Going south on GRIFFIN STREET, what is the distance between BANK OF AMERICA PLAZA and FOUNDERS SQUARE?

____________________________________________________________________________

3. What is on the southeast corner of ELM STREET and ERVAY STREET?

____________________________________________________________________________

4. What direction does the bus travel on ERVAY STREET?

____________________________________________________________________________

5. Circle all the DART bus stops. How many bus stops are there on the map?

____________________________________________________________________________
6. What direction does the bus travel on ST. PAUL AVENUE? ________________________

7. Is the MAGNOLIA BUILDING East or West of the DART LIGHT RAIL TRAIN STATION?
___________________________________________________________________________

8. Can you take the bus from DALLAS CITY HALL PLAZA to the DART LIGHT RAIL TRAIN STATION?
___________________________________________________________________________

9. Is the BANK OF AMERICA PLAZA North or South of FOUNDERS SQUARE?
___________________________________________________________________________

Using the map, write two of your own questions for a classmate to answer. Then, check your answers with a partner.
FOLLOW THAT DART BUS! ANSWERS

1. On ELM STREET, how many miles would you have to walk from the DART LIGHT RAIL TRAIN STATION to the MAGNOLIA BUILDING?
   Answer: four miles

2. Going south on GRIFFIN STREET, what is the distance between BANK OF AMERICA PLAZA and FOUNDERS SQUARE?
   Answer: two miles

3. What is on the southeast corner of ELM STREET and ERVAY STREET?
   Answer: Magnolia Building

4. What direction does the bus travel on ERVAY STREET?
   Answer: North

5. Circle all the DART bus stops. How many bus stops are there on the map?
   Answer: four

6. What direction does the bus travel on ST. PAUL AVENUE?
   Answer: South

7. Is the MAGNOLIA BUILDING East or West of the DART LIGHT RAIL TRAIN STATION?
   Answer: East

8. Can you take the bus from DALLAS CITY HALL PLAZA to the DART LIGHT RAIL TRAIN STATION?
   Answer: yes

9. Is the BANK OF AMERICA PLAZA North or South of FOUNDERS SQUARE?
   Answer: North

Using the map, write two of your own questions for a classmate to answer. Then, check your answers with a partner.