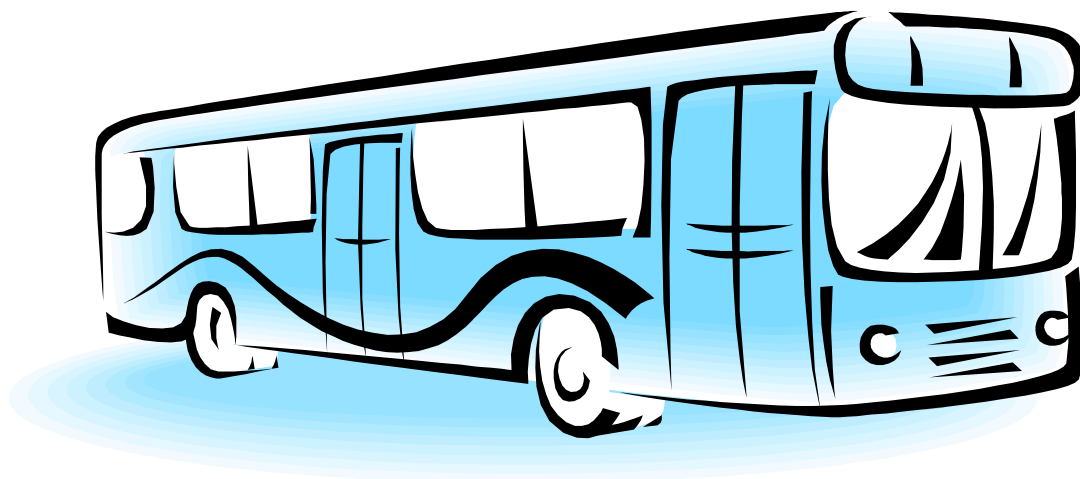


Careers in Public Transit



A Guide for Elementary School Teachers

The American Public Transportation Association



Careers in Public Transit Curriculum Outline

Grade Level: K-5

Overview and Purpose:

This lesson plan guide was developed to increase awareness of public transit careers in students grades K-5. The materials are designed to generate interest and excitement in the Transit Industry and the career opportunities that it offers.

Objectives:

Depending on grade level, students should be able to:

- Identify jobs associated with Public Transit
- Describe some of the responsibilities associated with jobs in Public Transit
- Recognize the importance of success in core subject areas to acquire specific jobs in Public Transit
- Understand how each job is important to ensure the overall success of public transit agencies

Materials/Resources Provided:

- Booklet: Careers in Public Transit
- Coloring Book
- Activity Ideas
- Worksheets/Handouts
- Additional Resources/Information
- Upcoming events

Materials/Resources needed:

- Pencils
- Crayons/Markers
- Note Cards (optional)

For additional information regarding public transit career awareness programs and resources please visit: www.apta.com or contact your local public transportation agency.

Reinforcement Activities

*All lessons should begin with the use of the **Careers in Public Transit Booklet**. Teachers can either read the booklet to the class or have the students read the booklet on their own.*

Activity 1:

Coloring Book: Can be used to reinforce the concepts covered in the **Careers in Public Transit Booklet**.

Activity 2:

Who Am I? Role Play: Options for younger and older students provided. Designed to enhance the concepts covered in the **Careers in Public Transit Booklet**.

Activity 3:

Reinforcement Worksheets: A word search worksheet and a job matching worksheet can be used to reinforce the concepts taught in the **Careers in Public Transit Booklet**.

Activity 4:

Design a Ticket: Students can explore the creative aspects involved in public transit by designing a ticket using the ticket template.

Activity 2: Who Am I? Role Play

This activity is designed to be done as a class or in small groups. Options for younger and older students are given below.

Both activities are to follow usage of the [Careers in Public Transit Booklet](#) which contains detailed information regarding common jobs found in public transit. Teachers can create index cards with descriptions of each job to be used in the activity.

For younger students:

The teacher will read or summarize the information found in the [Careers in Public Transit Booklet](#). Following completion of the booklet, the teacher either describes or acts out a particular job found in the [Careers in Public Transit Booklet](#) while students make attempts at guessing the job title.

For older students:

The teacher will read, summarize, or have the students read the [Careers in Public Transit Booklet](#). Following the completion of the booklet, students will pick up an index card that has a job title and description on it. (Teacher must prepare index cards in advance). The student must then role play or describe the type of work on the card while the rest of the class/group guesses their job title.

Materials Needed:

[Careers in Public Transit Booklet](#) and career index cards prepared by teacher.

Activity 3: Reinforcement Worksheets

Careers in Public Transit Word Search



*Words in the puzzle go up, down, across, diagonal, and backwards.
Good luck!*

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

BUS
 DRIVER
 FERRY
 MARKETING
 POLICE
 TRANSPORTATION

CONDUCTOR
 ENGINEER
 MAINTENANCE
 MECHANIC
 ROUTE
 TRAIN

DISPATCH
 ENVIRONMENT
 MAP
 PLANNER
 SECURITY
 TICKET

Name _____

Careers in Public Transit Matching Worksheet



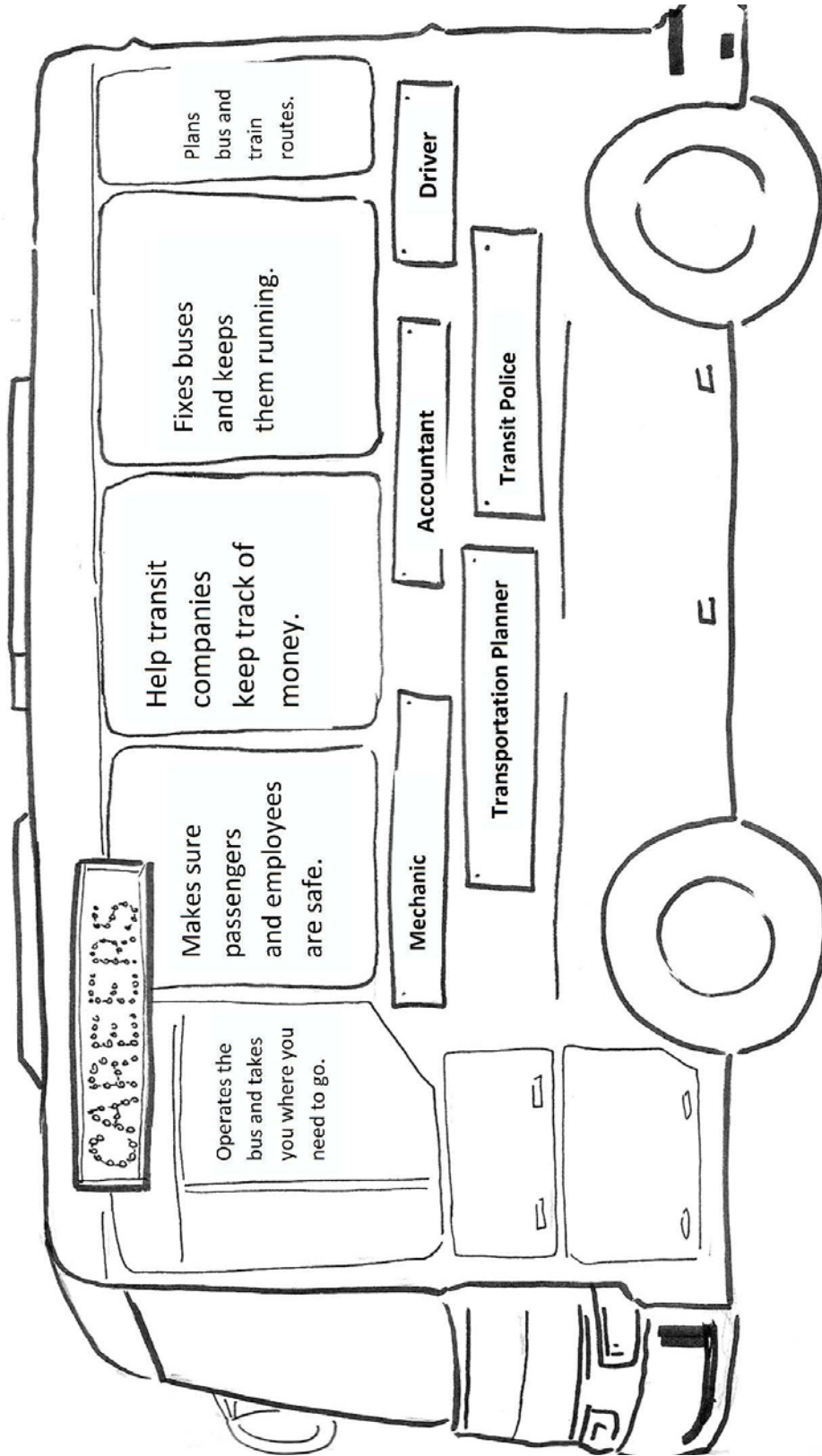
Write the letter of the correct match next to each problem.

- | | | | |
|-----|-----------------|-------|--|
| 1. | Driver | _____ | a. Creates advertisements and other materials to promote transit news and usage |
| 2. | Mechanic | _____ | b. Keeps track of money for the transit companies |
| 3. | Security/Police | _____ | c. Prepares reports and plans new transportation projects |
| 4. | Control Room | _____ | d. Operates the train |
| 5. | Dispatcher | _____ | e. Maintains and repairs transit vehicles |
| 6. | Engineer | _____ | f. Operates the bus |
| 7. | Conductor | _____ | g. Receives train tickets and assists passengers |
| 8. | Marketing | _____ | h. Communicates with transit vehicles to relay information |
| 9. | Employee | _____ | i. Watches monitors to ensure buses and trains are running correctly and on time |
| 10. | Accountant | _____ | j. Protects transit passengers and employees |
| | Dispatcher | _____ | |
| | Transportation | _____ | |

KEY: Careers in Public Transit Matching Worksheet

- | | | | |
|-----|---|-------------------------|---|
| 1. | f | Driver | a. Creates advertisements and other materials to promote transit news and usage |
| 2. | e | Mechanic | b. Keeps track of money for the transit companies |
| 3. | j | Security/Police | c. Prepares reports and plans new transportation projects |
| 4. | i | Control Room Dispatcher | d. Operates the train |
| 5. | d | Engineer | e. Maintains and repairs transit vehicles |
| 6. | g | Conductor | f. Operates the bus |
| 7. | a | Marketing Employee | g. Receives train tickets and assists passengers |
| 8. | b | Accountant | h. Communicates with transit vehicles to relay information |
| 9. | h | Dispatcher | i. Watches monitors to make sure buses and trains are running correctly and on time |
| 10. | c | Transportation Planner | j. Protects transit passengers and employees |
-

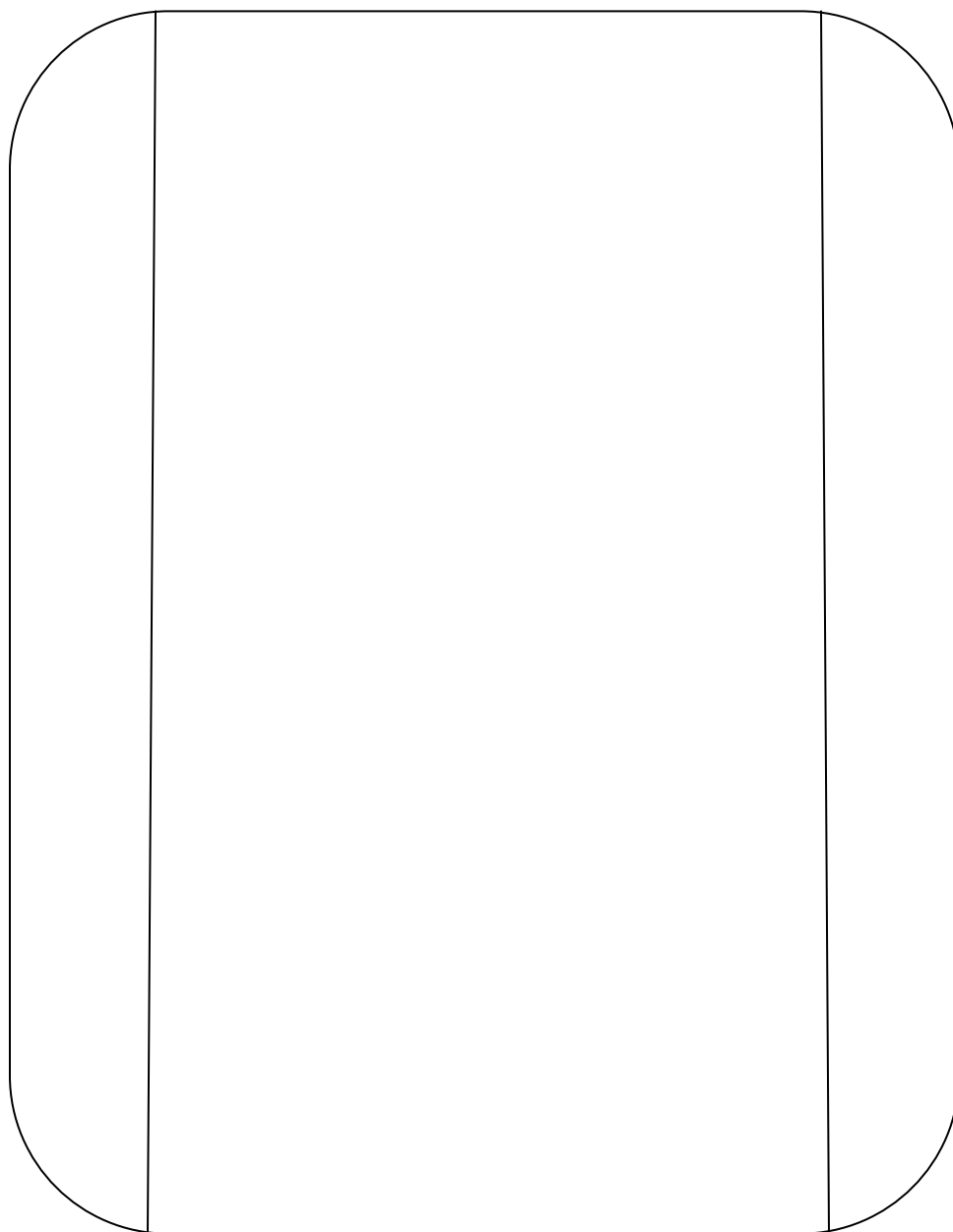
Careers in Public Transit Matching Activity



Match the job titles with the job description.

Activity 4

Design a Ticket!



*Tickets can include pictures, prices, destinations, slogans, and be for either bus or train!
Be creative!*

RESOURCES

Videos

Careers in Public Transit: This is a video that is most appropriate for middle and high school students. You can access the video via You Tube or contact the National Center for Transit Research at the Center for Urban Transportation Research via <http://www.nctr.usf.edu/feedback.htm> to acquire a copy of the video.

Sly Fox and Birdie Rail Safety Videos: These videos are great for elementary school students and promote rail safety. The videos can be purchased for a nominal fee by visiting: http://www.oli.org/education_resources/videos.htm#classroom

Websites:

APTA Youth Program: A national listing of youth outreach programs supported by the American Public Transportation Association to promote Careers in Public Transit. The database provides contact and program information. (<http://www.apta.com>)

Operation Life Saver: A website devoted to rail safety. Includes a section for kids and educators. Provides links, lesson plans, etc. See education resources (<http://www.oli.org>)

DingDing! A public transportation website by the United Kingdom helping promote the use of public transit. Provides great ideas to educators regarding games and ways to promote use of public transit. (www.dingding.org.uk/)

Programs:

“How to ride a bus”: Promotes use of public transit, reviews bus safety and generates excitement about riding public transit. See APTA’s Youth Program Website for full details: www.apta.com

2010-2011 Youth Events

The following is a listing of youth events and opportunities throughout the country including detailed descriptions of the events, dates and a web address for more information.

American Public Transportation Association (APTA)

www.apta.com

TBD, APTA National Public Transportation Career Day

The American Public Transportation Association (APTA) National Public Transportation Career Day is a workforce development initiative to introduce students, grades K-12 to the public transportation industry by supplying professionals with the tools and guidelines needed to educate and market to the next generation of prospective workers about the public transportation industry. This project aims to teach and mentor the nation's youth about how they can learn and apply their skills to leading job opportunities in the public transportation industry.

June 2011, APTA Youth Summit to Advance Public Transportation

The American Public Transportation Association (APTA) will host the second youth summit. The summit will be held in Washington, DC and include a diverse group of 50 rising high school junior and senior students from across the country to explore the environmental benefits of public transportation, how communities as a whole can prosper with increased services, the role local and federal policies play in public transit usage, and career opportunities in the industry.

The Conference of Minority Transportation Officials (COMTO)

www.comto.org

April 2010, National Scholarship Program

The Conference Of Minority Transportation Officials (COMTO) offers a variety of scholarships ranging from \$2,500 to \$6,000 to deserving students nationwide. Selections are made annually by a team of industry professionals and representatives from the academic community. The National Scholarship Program supports the mission of COMTO by promoting, strengthening and expanding the roles of minorities in all aspects of transportation. Applications must be postmarked by **April 16, 2010**. Completed applications should be sent to:

COMTO National
Attn: National Scholarship Program
818 18th Street, NW, Suite 850
Washington, DC 20006

May 2010, CITY Internship Program

COMTO's **Careers In Transportation for Youth (CITY)** Internship Program was created to attract the best and brightest underrepresented talent to the public transportation industry. This internship program supports the Federal Transit Administration's (FTA) initiative to promote public transportation career opportunities among underrepresented college students. This initiative will orient students to the public transportation industry by providing internships and mentoring at transit agencies, private transit-related consulting firms, transportation service providers, manufacturers and suppliers. If you would like more information about the CITY Internship Program, please contact **COMTO National at (202) 530-0551**.

Canadian Urban Transit Association (CUTA)

www.cutaactu.ca

August 2010, Centennial Scholarships Program

CUTA is offering the Centennial Scholarship Award Program for 2010. This program is open to all students currently pursuing a career in Public Transit or other related fields such as Urban Planning, Engineering, Environmental Studies, Land Use Planning, Transportation Management and Geography. The deadline to submit the 2010 Centennial Scholarship Awards Application along with all supporting documents is **27 August 2010**.

Dallas Area Rapid Transit (DART)

www.dart.org

April 2010, DART Annual Student Poster Contest

Students from kindergarten to twelfth-grade participate in the annual contest to help promote the use of public transportation. Winners in the kindergarten through fifth grade categories will receive a Radio Disney presentation for their class while winners in middle and high school levels will have their artwork featured at DART rail stations. Various grade-level winners will have their posters on display at www.DART.org.

Metropolitan Atlanta Rapid Transit Authority (MARTA)

www.itsmarta.com

July 2010, AIM for Youth “Back to School Community Kid’s Day”

AIM for Youth, a non-profit organization aimed at empowering underserved and underprivileged youth through positive influential role models, and Children’s Healthcare of Atlanta at Hughes Spalding, will host a “Back-2 -School Community Kid’s Day” event, The event is free and open to the public and will allow up to 1,000 youth and their families to receive free book bags and school supplies while participating in other various activities designed to bring awareness and education to major health issues affecting youth today.

Ongoing, MARTA Arts Education Program

As part of this initiative, MARTA has placed a strong emphasis on educational and outreach programs for young people in the community. These outreach programs are designed to teach students about transit use, transit careers and the important impact transit has in their communities, including how it contributes to sustainable living, economic growth and overall quality of life. MARTA also intends for these programs to build the next generation of transit riders and encourage students to consider careers in transit.

MARTA is currently participating in two programs—the Art Education Program for elementary through high school students and the Future Cities Competition for middle school students.

MARTA’s Arts Education Program, with the non-profit organization Creating Pride, offers local students the opportunity to create transit themed artwork, which will be displayed at rail stations near their schools. Curriculum guides featuring transit concepts will also be utilized in their schools. Students from six local elementary, middle and high schools created art pieces entitled, “My Destination: Where I Can Go on MARTA?”

Mineta Transportation Institute (MTI)

www.transweb.sjsu.edu

March 2011, Garrett Morgan Sustainable Transportation for the 21st Century Program

The entire purpose of this program is to harness kids' imaginations and get them interested in math and science, perhaps leading to careers in transportation. Our program is a complementary element of the U.S. Department of Transportation's Garrett A. Morgan Technology and Transportation Futures Program. Here's how it works. Each year members of the MTI Board of Trustees sponsor middle school classes for a sustainable transportation study unit. The curriculum is developed by faculty at San José State University's College of Education, and it includes a class or team project. The sponsoring agency contacts the school or teacher, arranges delivery of the workbooks, and provides the videoconference facility. Then the students and teachers create a sustainable transportation project based on what they've learned. The project is presented at a national videoconference competition featuring the U.S. Transportation Secretary and other transportation leaders.

The videoconference is usually scheduled for March each year, based on the Secretary of Transportation's schedule and the timing of spring break for the schools. The awards banquet is held at the end of June.

For more information about the U.S. Department of Transportation's Garrett A. Morgan Technology and Transportation Futures Program, go to www.fhwa.dot.gov/education/ for information about inventor Garrett Morgan, go to www.fhwa.dot.gov/education/gamorgan.htm.