

# 2001 Transportation Education Academy Activities

Middle School Activities: Air, Land, Water, Multi-Modal

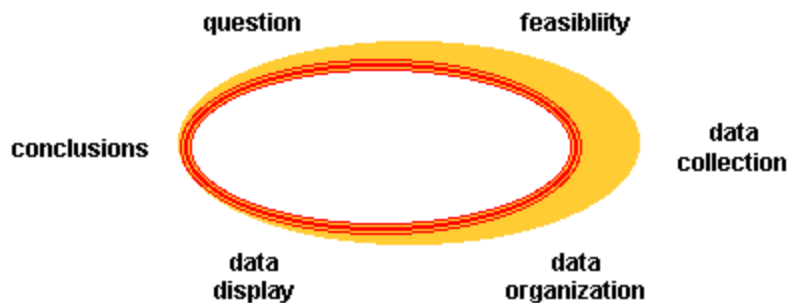
## Productive Activities for Transportation Field Trips

**LEARNING AREA:** Inquiry & Research  
**EDUCATIONAL LEVEL:** Middle School  
**CONTENT STANDARD:** Controlled Experiments

### A student shall understand:

1. Direct observation, including forming a question, collecting and recording data, displaying data in appropriate format looking for patterns in observable data, relating findings to new situations or large group finding, answering a question or presenting a position using data, and identifying areas for further observation;
2. Direct observation, interviews or surveys, including framing a question; collective data through observation, or surveys; recording and organizing information, and evaluating the question based on findings.

### Large Processes/Concepts-----



### NEXT STEP: Assessment Task

## Productive Activities for Transportation Field Trips

### Assesment Task-----

#### Description:

The activities described in the overview are designed to help students gain further insight and produce evidence of learning for the three sites we will be visiting. Although you may not have the same types of facilities in your area, I feel this can be adapted to suit your needs.

#### Products/Evidence of Learning:

1. Each student will complete a field trip packet that includes the six transportation technologies and ten student formulated questions for each site.
2. Student groups will be made for each of the sites visited. Each group will make a story board using pictures and information learned from the site.
3. Each student will write a two page summary of the days events.

#### Overview:

##### *(Prior to trip)---*

- \* Students will become familiar with the six transportation technologies and give examples of each.
- \* We will be visiting three sites so students will be split into three groups and assigned a site. Each group will be responsible for formulating ten questions that will be asked at their site.
- \* A packet will be made that will include space for listing the six transportation technologies and the ten student formulated questions for each site.
- \* A camera will be given to each group so that they can take pictures at their assigned site.

##### *(During the trip)---*

- \* Students will ask questions and fill out the packet described above for all three sites.
- \* The group that is assigned to each site we visit will take pictures to be used on a story board to be made up by that group after the trip.

##### *(Following the trip)---*

- \* Students will hand in their completed field trip packets.
- \* Student groups will make a story board. (such as is used for history day projects) The story boards will include their pictures and information learned from their assigned site.
- \* Students will write a two page summary of the day that should include at least two things learned at each site.

### NEXT STEP: Checklist

# 2001 Transportation Education Academy Activities

High School Activities: Air, Land, Water, Multi-Modal

## Productive Activities for Transportation Field Trips

### Checklist-----

STUDENT	TEACHER	
_____	_____	Examples given for the six transportation technologies.
_____	_____	Ten questions formulated for each site by assigned student groups.
_____	_____	Field trip packets completed.
_____	_____	Story board completed by assigned groups.
_____	_____	Two page field trip summary completed.