<table>
<thead>
<tr>
<th>Function and Task Analysis</th>
<th>Assignment</th>
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<tbody>
<tr>
<td><strong>Goal Statement - Purpose of the Analysis</strong></td>
<td>Perform a function and task analysis of the process of driving from home to school.</td>
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<tr>
<td>Examples: Process Improvement, Product Improvement, Increase Safety, Decrease Personnel Requirements, etc</td>
<td>Note: This analysis will focus on the overall process of driving from home to school and does not focus on the mental and physical activities actually associated with driving a vehicle.</td>
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<table>
<thead>
<tr>
<th>Mission Analysis</th>
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<tbody>
<tr>
<td>Assumptions and Constraints</td>
<td></td>
</tr>
<tr>
<td>Mission Segments/Phases</td>
<td></td>
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<tr>
<td>Evaluation Criteria</td>
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<table>
<thead>
<tr>
<th>Task Description</th>
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<tbody>
<tr>
<td>Sub-Task Description</td>
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<tr>
<td>Sub-Sub-Task Description</td>
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<table>
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<tr>
<th>Function Determination</th>
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<tbody>
<tr>
<td>Function Reallocation</td>
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<th>Goal Statement - Assignment</th>
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<tbody>
<tr>
<td><strong>Goal:</strong> Process Improvement; for example --- Select safer more economic route Development less complicated/more compact schedule Choose alternative modes of transportation</td>
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<td><strong>Assumptions and Constraints</strong></td>
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<tr>
<td>1. Purpose for driving from home to school varies.</td>
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<tr>
<td>2. Required arrival times vary.</td>
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<tr>
<td>3. Intended before/after school activities may affect some decisions.</td>
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<tr>
<td>4. Spouse's plans may effect some preparation activities.</td>
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<tr>
<td>5. Most days &quot;begin&quot; at 5:55 AM regardless of day of week.</td>
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<tr>
<td>6. Some activities (newspaper, breakfast, recreation, etc) independent of school activity.</td>
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<tr>
<td>7. Alternative modes of transportation not presently feasibly (public transportation, ride sharing, etc) due to location and/or variation in schedule.</td>
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</table>
### Mission Analysis - Assignment

**Mission Segments/Phases**
- Pre-Departure Phase
- Travel Phase
- Arrival Phase
- Termination Phase

**Evaluation:**
Success == On time arrival for scheduled activities with required materials.

### Function and Task Analysis

**Goal Statement - Purpose of the Analysis**
Examples: Process Improvement, Product Improvement, Increased Safety, Decrease Personnel Requirements, etc

**Mission Analysis**
- Assumptions and Constraints
- Mission Segments/Phases
- Evaluation Criteria

**Function Determination**
- Function Reallocation

**Task Description**
- SubTask Description
- Sub-SubTask Description

### Assignment Schema

**Phase:**
- Function:
  - Task:
    - SubTask: 
      - Sub-SubTask:

### Pre-Departure Phase

**Function: Trip Go/NoGo Analysis & Decision**
- Task: Determine day of the week
- SubTask: Ascertain purpose of the trip
- SubTask: Identify required materials
- Task: Decide Go/NoGo

**Function: Mode/Vehicle Selection**
- Task: Determine spouse's planned activities
- Task: Consider before school activities
- Task: Consider after school activities
- Task: Consider weather and road conditions
- Task: Decide on mode/vehicle

**Function: Route Selection**
- Task: Consider before school activities
- Task: Consider weather and road conditions
- Task: Select intended route

**Function: Determine Schedule**
- Task: Plan Departure Time
- SubTask: Consider before school activities
- SubTask: Consider weather and road conditions
- SubTask: Consider vehicle and route
- SubTask: Calculate planned departure time
- Task: Plan Start of Activities Time
- SubTask: Consider pre-departure activity requirements
- SubTask: Calculate start activities time

### Pre-Departure Phase (continued)

**Function: Trip Go/NoGo Analysis & Decision**
- Task: Determine day of the week
- SubTask: Ascertain purpose of the trip
- SubTask: Identify required materials
- Task: Decide Go/NoGo

**Function: Mode/Vehicle Selection**
- Task: Determine spouse's planned activities
- Task: Consider before school activities
- Task: Consider after school activities
- Task: Consider weather and road conditions
- Task: Decide on mode/vehicle

**Function: Route Selection**
- Task: Consider before school activities
- Task: Consider weather and road conditions
- Task: Select intended route

**Function: Determine Schedule**
- Task: Plan Departure Time
- SubTask: Consider before school activities
- SubTask: Consider weather and road conditions
- SubTask: Consider vehicle and route
- SubTask: Calculate planned departure time
- Task: Plan Start of Activities Time
- SubTask: Consider pre-departure activity requirements
- SubTask: Calculate start activities time

### Pre-Departure Phase (continued)

**Function: Trip Go/NoGo Analysis & Decision**
- Task: Determine day of the week
- SubTask: Ascertain purpose of the trip
- SubTask: Identify required materials
- Task: Decide Go/NoGo

**Function: Mode/Vehicle Selection**
- Task: Determine spouse's planned activities
- Task: Consider before school activities
- Task: Consider after school activities
- Task: Consider weather and road conditions
- Task: Decide on mode/vehicle

**Function: Route Selection**
- Task: Consider before school activities
- Task: Consider weather and road conditions
- Task: Select intended route

**Function: Determine Schedule**
- Task: Plan Departure Time
- SubTask: Consider before school activities
- SubTask: Consider weather and road conditions
- SubTask: Consider vehicle and route
- SubTask: Calculate planned departure time
- Task: Plan Start of Activities Time
- SubTask: Consider pre-departure activity requirements
- SubTask: Calculate start activities time
### Pre-Departure Phase (continued)

**Function:** Prepare to Depart  
**Task:** Begin personal activities (bathing, dressing, etc)  
**SubTask:** Complete personal activities  
**Task:** Begin housekeeping activities (bedroom, kitchen, etc)  
**Task:** Begin security activities (house, pets, garage, etc)  
**Task:** Gather required materials  
**SubTasks:** Complete house and security activities  
**Task:** Walk from house to garage

### Travel Phase

**Function:** Vehicle Preparation  
**Task:** Open garage door (if required)  
**Task:** Open vehicle door  
**SubTask:** Load vehicle  
**Task:** Close vehicle door  
**Task:** Start vehicle  
**SubTask:** Turn on and tune radio  
**SubTask:** Monitor engine condition  
**SubTask:** Adjust mirrors  
**SubTask:** Release brake  
**SubTask:** Back vehicle out of garage  
**Task:** Close garage door (if required)  

**Function:** Begin Travel  
**Task:** Maintain situational awareness and driving vigilance  
**SubTasks:** (iterative)  
- Observe weather, driving, and traffic conditions  
- Perform navigation tasks  
- Listen for traffic advisory reports  
**SubTask:** Consider alternative routes  
**Maintain safe driving habits**  
**SubTasks:** (speed, traffic flow, clearances, control signals, etc)  
**Monitor vehicle operating conditions**

### Arrival Phase

**Function:** Park Vehicle  
**Task:** Select intended parking area  
**Criteria:** Convenient to planned activities (buildings)  
- Expected space availability based on day of the week and time of day  
**SubTask:** Drive to parking lot  
**Sub-SubTask:** Seek parking space  
**Task:** Choose alternative parking if required  
**Task:** Park vehicle  
---continued---

**Function:** Park Vehicle (continued)  
**Task:** Park Vehicle (continued)  
**SubTasks:** Set parking brake  
**Display parking pass**  
**Unload vehicle**  
**Exit vehicle**  
**Lock vehicle**  
**Check proper display of parking pass**
<table>
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<tr>
<th>Termination Phase</th>
<th>Task Analysis - Assignment</th>
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<tbody>
<tr>
<td>Function: Complete Mission</td>
<td></td>
</tr>
<tr>
<td>Task: Walk toward first activity</td>
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| Evaluation: |
| Success == On time arrival for scheduled activities with required materials. |