

### 1. Introduction

- Hello everyone, my name is \_\_\_\_\_.
- Today, I am going to talk about \_\_\_\_\_.

### 2. Bridge Type and Definition

- The type of bridge I will discuss is a \_\_\_\_\_.
- A \_\_\_\_\_ bridge is a structure that \_\_\_\_\_.

### 3. Characteristics and Purpose

- This type of bridge is known for \_\_\_\_\_.
- The main purpose of this bridge is to \_\_\_\_\_.

### 4. Key Components

- The key components of this bridge include \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
  - The \_\_\_\_\_ is used to \_\_\_\_\_.
  - The \_\_\_\_\_ helps to \_\_\_\_\_.
  - The \_\_\_\_\_ supports \_\_\_\_\_.

### 5. Forces and Load Distribution

- One important concept in bridge engineering is the force of \_\_\_\_\_.
  - This force \_\_\_\_\_ the materials of the bridge.
- Another important force is \_\_\_\_\_.
  - This force \_\_\_\_\_ the materials of the bridge.
- The load of the bridge includes \_\_\_\_\_ and \_\_\_\_\_.
  - Engineers calculate the load to ensure \_\_\_\_\_.

### 6. Real-life Example

- A real-life example of this type of bridge is the \_\_\_\_\_.
- This bridge is located in \_\_\_\_\_ and is used to \_\_\_\_\_.

### 7. Conclusion

- In conclusion, the \_\_\_\_\_ bridge is important because \_\_\_\_\_.
- Thank you for listening to my presentation.

## <Key Expressions>

### 2. Bridge Type and Definition

- a. Beam Bridge
- b. Arch Bridge
- c. Suspension Bridge
- d. Cable-stayed Bridge

### 3. Characteristics and Purpose

- e. Simple design, strong and durable, can span long distances, efficient design
- f. Provide passage over obstacles, connect two points, carry heavy loads

### 4. Key Components

- Deck, supports, cables, piers, abutments, foundation

### 5. Forces and Load Distribution

- Tension, compression
- Pulls apart, pushes together
- Weight of the bridge, traffic, safety

### 6. Real-life Example

- Golden Gate Bridge, Han River Bridge, Incheon Bridge, Seongsu Bridge