

# CLIL-TECHNOLOGY-STRUCTURES-STRESSES

Key words->Concepts->Instructions Match activity->Instructions Puzzle & Identify activity

## 1. Key words

Concept	Action	Objects
Stress/ force		
Tension/traction	stretch	cable, trunk, cord
Compression	Shrink/flatten	pillar, column, foundation
Bending	bend	Beam/rod
Torsion	twist	screwdriver
Shear	cut	hook
Language support		
Act on	Withstand	support
exert	bear	

Key words->**Concepts**->Instructions Match activity->Instructions Puzzle & Identify activity

## 2. Concepts

**Force:** is anything that can deform a body or change its state of movement or rest

**Structure:** part of an object that must withstand or support the forces/stresses acting on it.

**Type of stresses** (elicit):

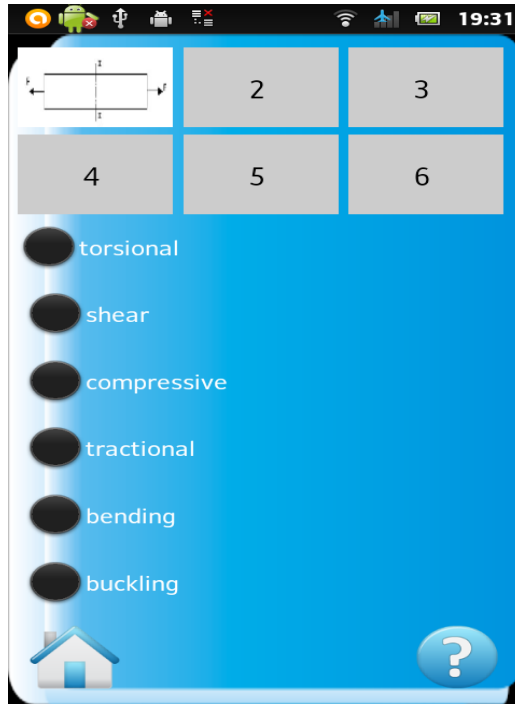
- **Tension/traction** when forces try to stretch an object
- **Compression** when forces try to flatten or shrink the object
- **Bending** when forces try to bend an object
- **Torsion** when forces try to twist an object
- **Shear** when forces try to cut an object

Key words->Concepts->**Instructions Match activity**->Instructions Puzzle & Identify activity

## 3. Instructions: Stresses match activity

- Airplane mode
- SMS, chats, etc, are not allowed
- Individual activity
- Activity one: Match the stress with the corresponding name

### Screenshot:

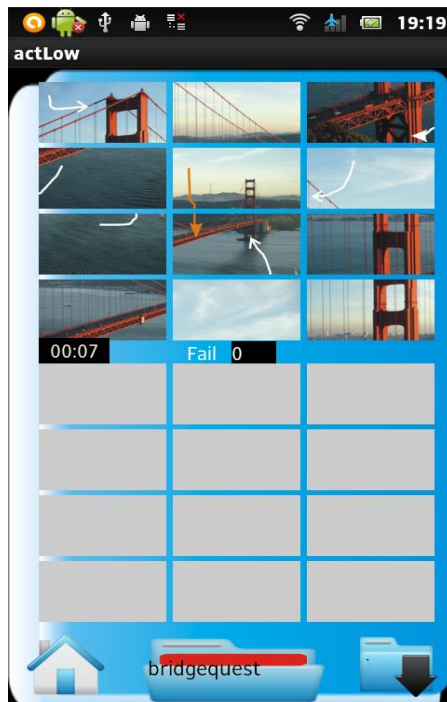


Key words->Concepts->Instructions Match activity->**Instructions Puzzle & Identify activity**

#### 4. Instructions: Golden Gate Puzzle activity

- Airplane mode
- SMS, chats, etc. It's not allowed
- Individual activity.
- Activity two: Please, have fun and complete the Golden gate puzzle and then associated the stresses with the correct bridge part

### Screenshot:



## 5. Assessment

What kind of stress supports **a chair** when you **sit on it**?

What kind of stress is acting on **a pencil** if you try to **break it**?

## 6. Suspension Bridges: The Golden Gate Listening

- **Match activity**
- **Fill in the gaps activity**