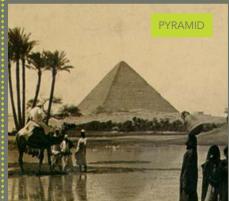


SW MATERIALS FACT FILE 01

Stone

- Strong in compression
- Brittle
- Ancient construction material
- Used for arches, columns and walls





Mass concrete

- Strong in compression
- Brittle
- First developed by the Romans
- Used in foundations and in dams





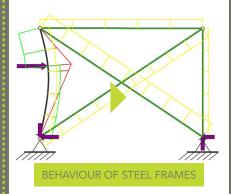


Steel beam/column

- Strong in compression, tension and in bending
- Used for columns and beams
- Combines strength and low weight









W MATERIALS FACT FILE 02

Glass

- Brittle but can be made tougher
- Used in the construction of some small bridges





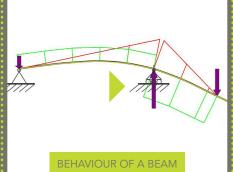


Reinforced concrete

A composite material that makes the most of each of the component materials' strenght:

- Concrete's strength in compression
- Steel's strength in tension







Steel cable

- Extremely high strength in tension
- Made from bundles of strands
- Stretches under tension





