



CD2.4-3: Simuler numériquement la structure et/ou le comportement d'un objet.

Maitrise
insuffisante

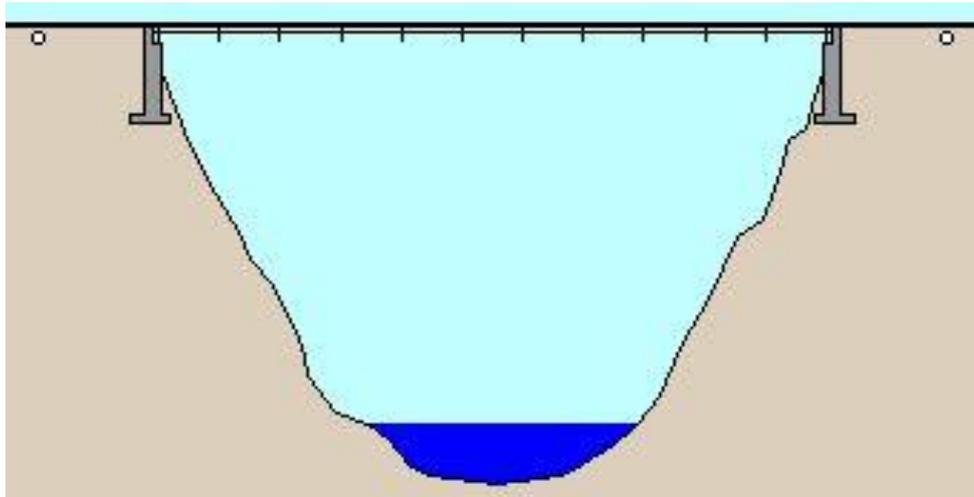
Maitrise
fragile

Bonne
maitrise

Très bonne
maitrise

Problématique : quelles solutions de ponts pouvons-nous proposer ?

Proposition de pont



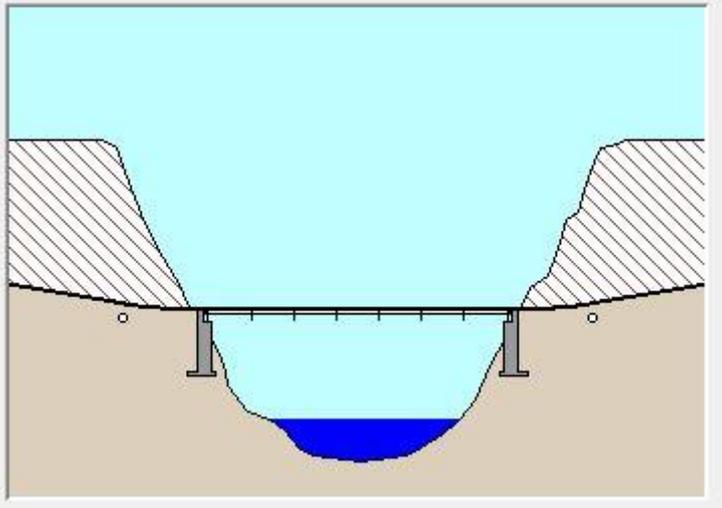
A partir du logiciel « Bridge designer » vous allez rechercher un pont reliant les 2 rives.

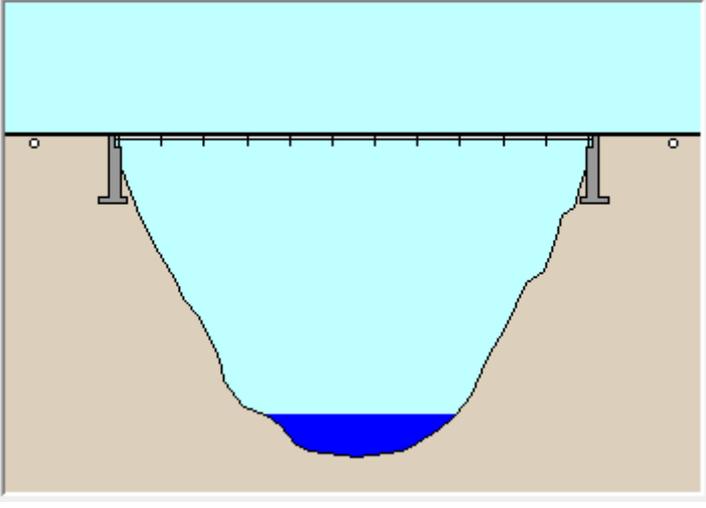
La recherche débutera par un pont simple. Pour chacun des ponts faite une proposition à partir du logiciel. Faites valider votre pont par l'enseignant.

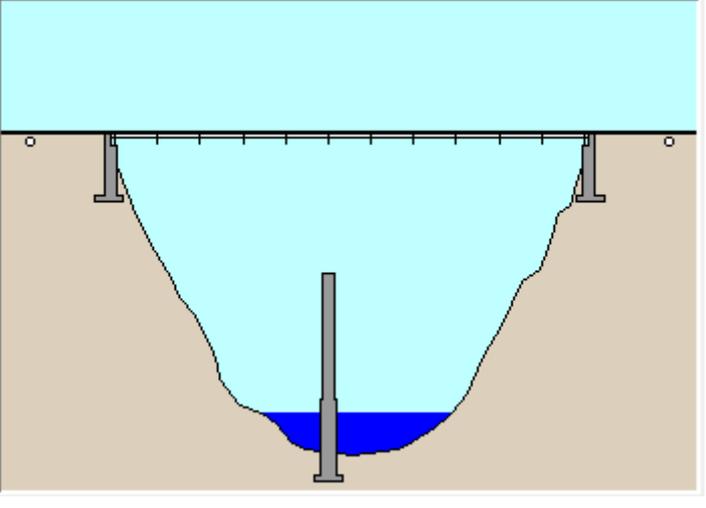
Pont	validation
<p style="text-align: center;"> = River Banks = Excavation = River </p>	

Note : /

Ensuite pour chacun des ponts, trouver une solution. Faire valider votre pont par l'enseignant.

Pont 8 mètres	validation
 A cross-sectional diagram of a bridge with a 8-meter span. The bridge deck is shown as a horizontal line supported by two vertical piers. The water level is indicated by a light blue area above the bridge deck. The ground is shown as a brown area below the bridge. The riverbed is a blue area at the bottom of the channel. The bridge is supported by two piers, one on each side of the channel.	

Pont 24 mètres	validation
 A cross-sectional diagram of a bridge with a 24-meter span. The bridge deck is shown as a horizontal line supported by two vertical piers. The water level is indicated by a light blue area above the bridge deck. The ground is shown as a brown area below the bridge. The riverbed is a blue area at the bottom of the channel. The bridge is supported by two piers, one on each side of the channel.	

Pont 24 mètres avec un pilier central	validation
 A cross-sectional diagram of a bridge with a 24-meter span. The bridge deck is shown as a horizontal line supported by three vertical piers. The water level is indicated by a light blue area above the bridge deck. The ground is shown as a brown area below the bridge. The riverbed is a blue area at the bottom of the channel. The bridge is supported by three piers, one in the center and one on each side of the channel.	