



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

Maitrise
insuffisante

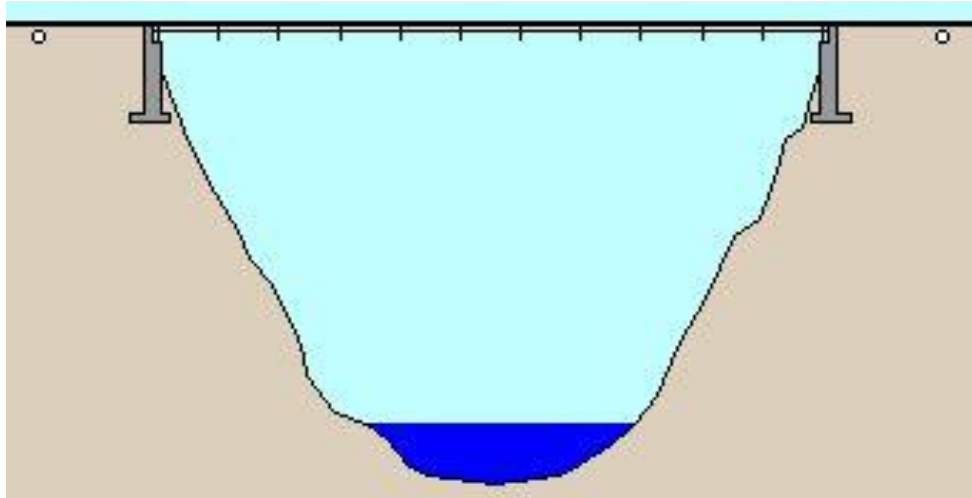
Maitrise
fragile

Bonne
maitrise

Très bonne
maitrise

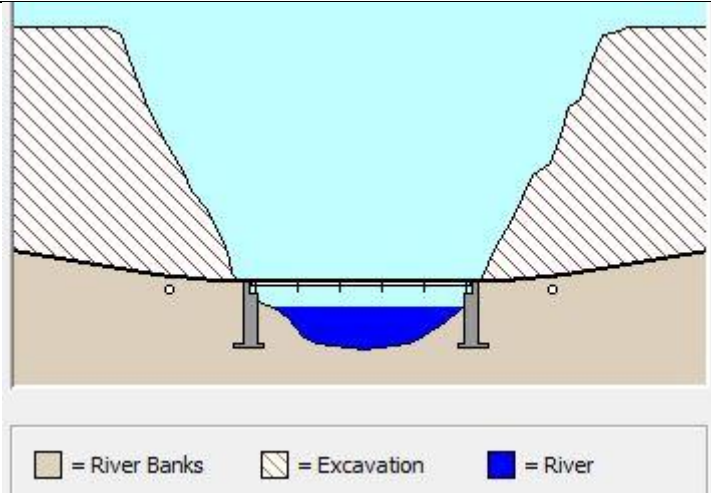
Problématique : quelles solutions de ponts pouvons-nous proposer ?

Proposition de pont



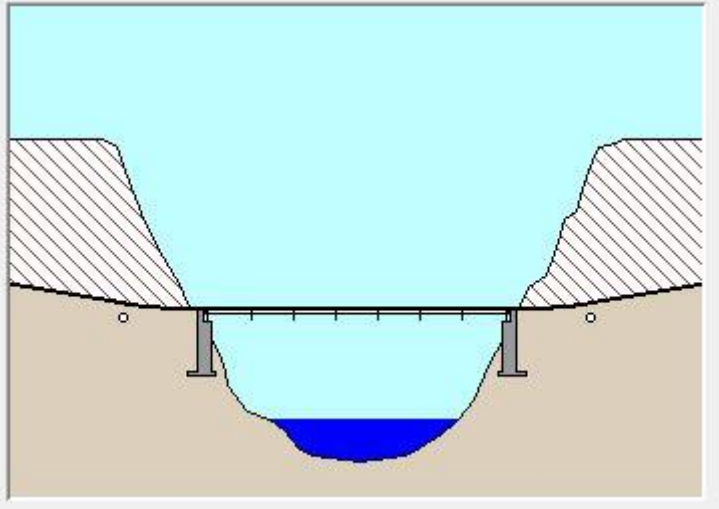
A partir du logiciel « Bridge designer » vous allez rechercher un pont reliant les 2 rives.

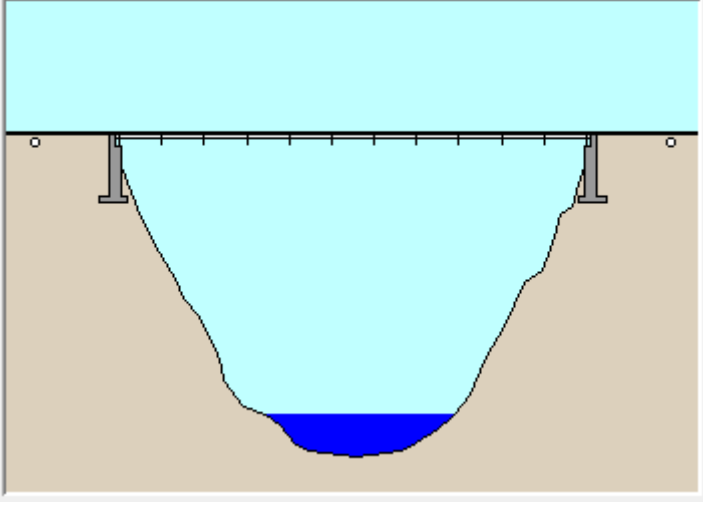
La recherche débutera par un pont simple. Pour chacun des ponts faite une proposition à partir du logiciel. Faites valider votre pont par l'enseignant.

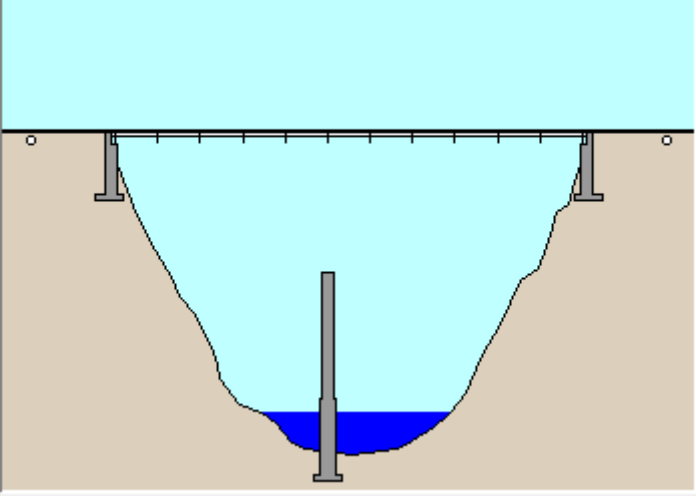
Pont	validation
 <p> = River Banks = Excavation = River </p>	

Note : /

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

Pont 8 mètres	validation
 <p>The diagram shows a cross-section of a bridge with a 8-meter span. It features two vertical piers supporting a horizontal deck. The bridge is situated over a riverbed that is lower than the surrounding ground level. The water level is indicated by a blue area at the bottom of the river channel. The ground on either side is shown with a hatched pattern, and the riverbed is a solid brown color.</p>	

Pont 24 mètres	validation
 <p>The diagram shows a cross-section of a bridge with a 24-meter span. It features two vertical piers supporting a horizontal deck. The bridge is situated over a wide riverbed that is lower than the surrounding ground level. The water level is indicated by a blue area at the bottom of the river channel. The ground on either side is shown with a hatched pattern, and the riverbed is a solid brown color.</p>	

Pont 24 mètres avec un pilier central	validation
 <p>The diagram shows a cross-section of a bridge with a 24-meter span. It features three vertical piers: two on the sides and one in the center. The bridge is situated over a wide riverbed that is lower than the surrounding ground level. The water level is indicated by a blue area at the bottom of the river channel. The ground on either side is shown with a hatched pattern, and the riverbed is a solid brown color.</p>	