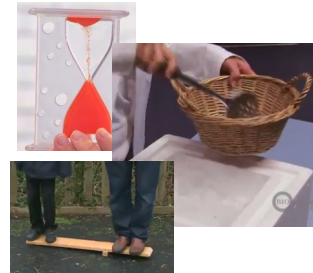


The spirit of innovation

We give :

« INTRODUCTION_TO_TRIZ_film_1_of_6.flv »
<http://www.youtube.com/watch?v=z-gBnBfGVZk>



We want you to translate the following sentences :

- Beaucoup de choses semblent impossibles aujourd'hui, mais qui sait ce qui se passera plus tard ?
- Peut être que des choses qui semblent impossibles sont seulement impossibles pour le moment.
- Nous ne devons jamais considérer des choses comme impossibles.
- Les freins psychologiques sont les plus gros obstacles que les techniciens et ingénieurs doivent surmonter.

We want you to answer the following questions :

- Is it possible to have an hour glass where the sand goes up ? If so, how to manage to do it ?
- Is it possible to carry water in a basket ? If so, how to manage to do it ?
- Can a child lift a grown man in the air and hold him for a long time? If so, how to manage to do it ?
- What is the English expression to say « Impossible n'est pas français » ?
- How does Genrich Altshuler invent the triz method ?

Testing the TRIZ method

We give :

A web site which permits to use easily the TRIZ method :
<http://www.triz40.com/?lan=en>

We want you to think about innovative ideas

- With your team, choose a technical problematic in the list below or find one by yourself :
 1. For a vehicle, improving the strength of the frame without making it heavier.
 2. For a boat, going faster without using more energy.
 3. For domestic heating, decreasing the consumption of the heating system without making it more complex.
 4. For a car, using less gas but still allowing it to go as fast as before.
 5. For the lighting of a classroom, using less electricity but still having the same lighting quality for our vision.
- Use TRIZ40.com to know what are the innovation principles which are proposed by the TRIZ method.
- Make an analysis of the propositions and try to find some innovative ideas.