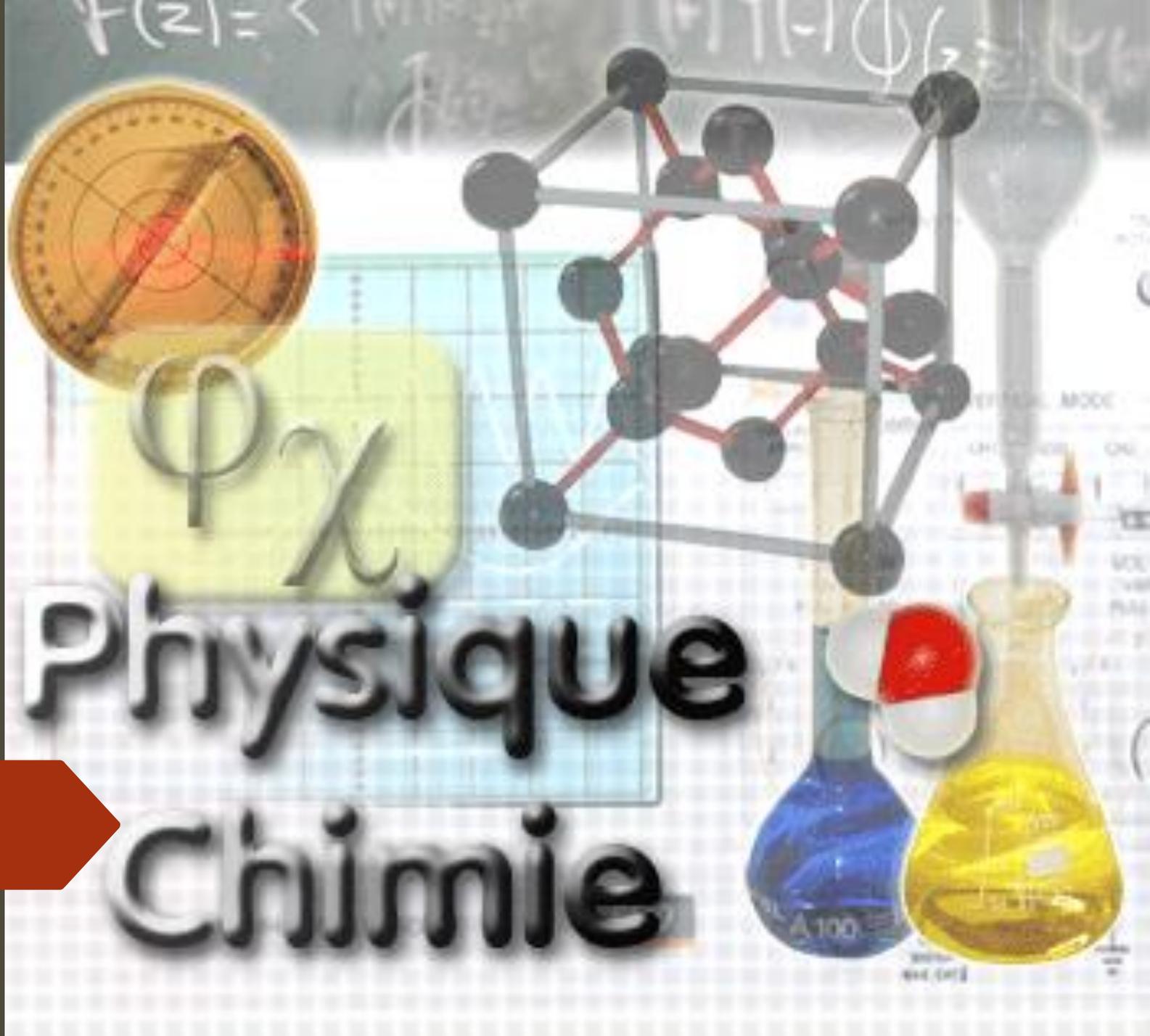


Spécialité Physique- Chimie

1^{ère}
générale



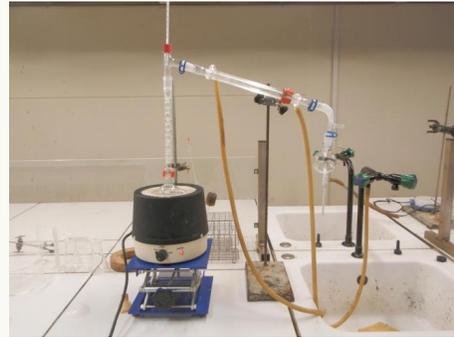
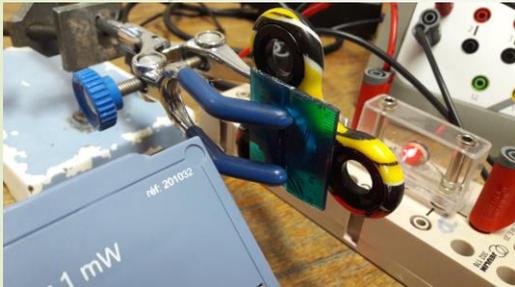
Physique

Chimie

Enseignement à caractère **expérimental**

4 h hebdomadaires : Continuité de la 2nde

- **2h** d'activités expérimentales



Développer le **sens de l'autonomie**
et d'**initiative** des élèves

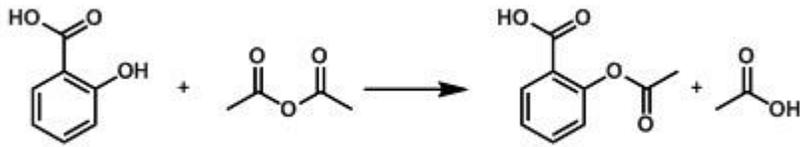
<http://hydrodynamisme-biomimetisme.e-monsite.com>



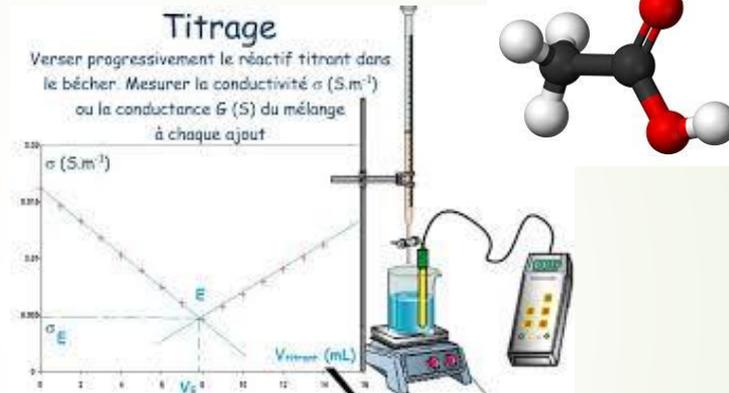
- 2h de cours (activités, cours, exercices...)

Thèmes développés :

- Organisation et transformation de la matière



<https://commons.wikimedia.org>

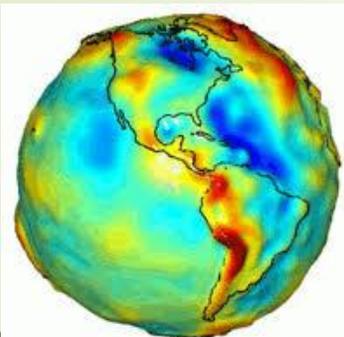


http://a.bougoud.free.fr/TSchimie/C19_Titrages2.pdf

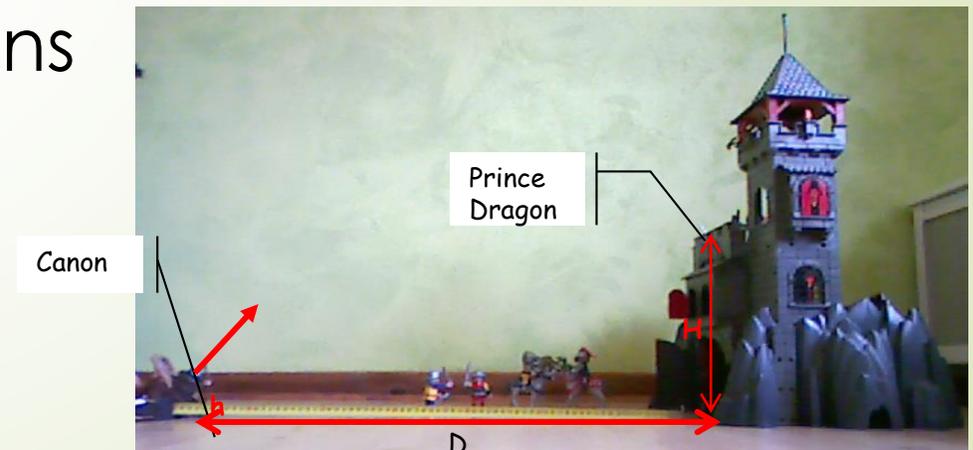


<http://hydrodynamisme-biomimetisme.e-monsite.com>

- Mouvements et interactions



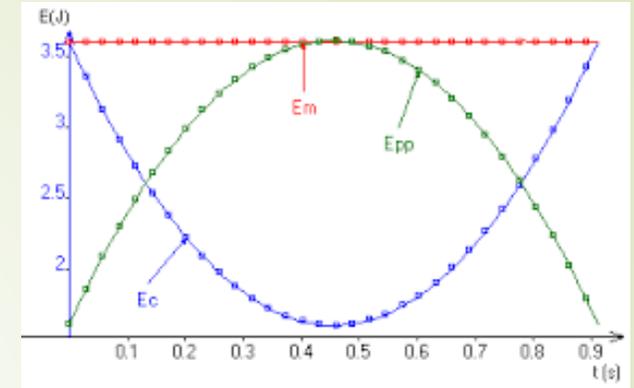
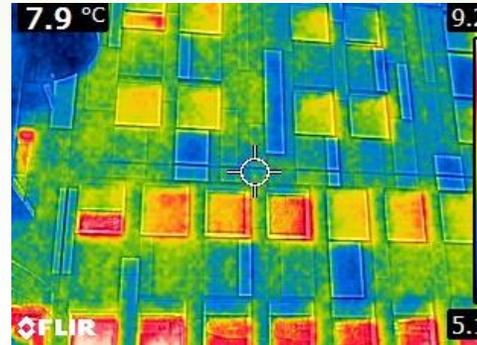
<https://commons.wikimedia.org>



- L'énergie : conversions et transferts

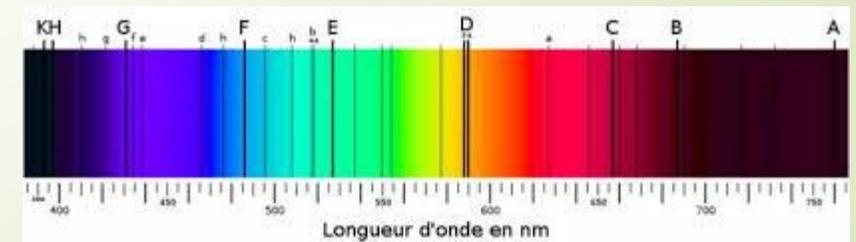
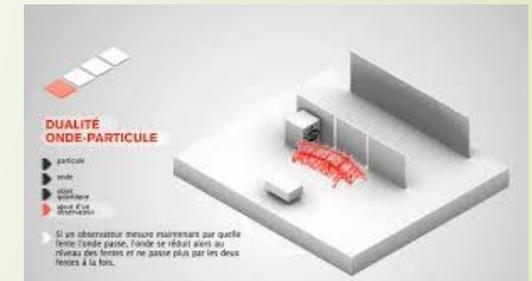
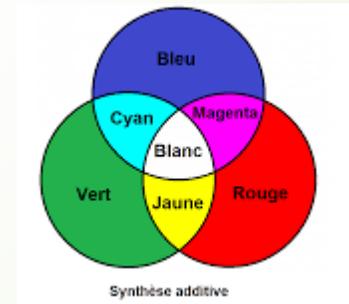
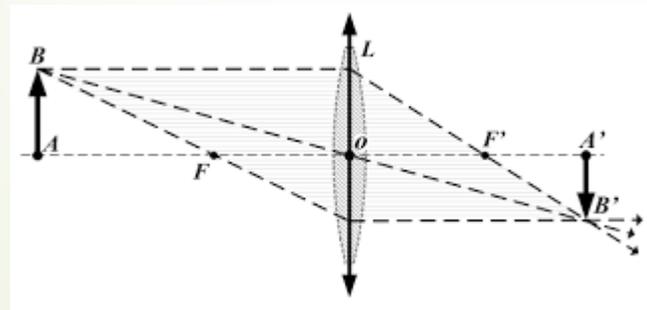
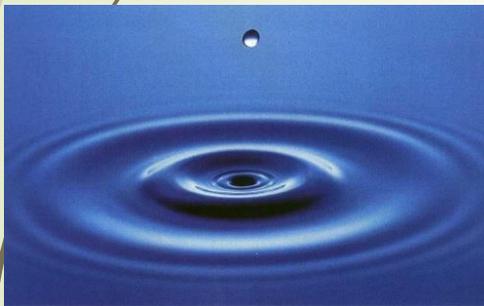


<http://www.cmf-co.com/blog/wp-content/uploads/2016/11/wind-turbine.jpg>



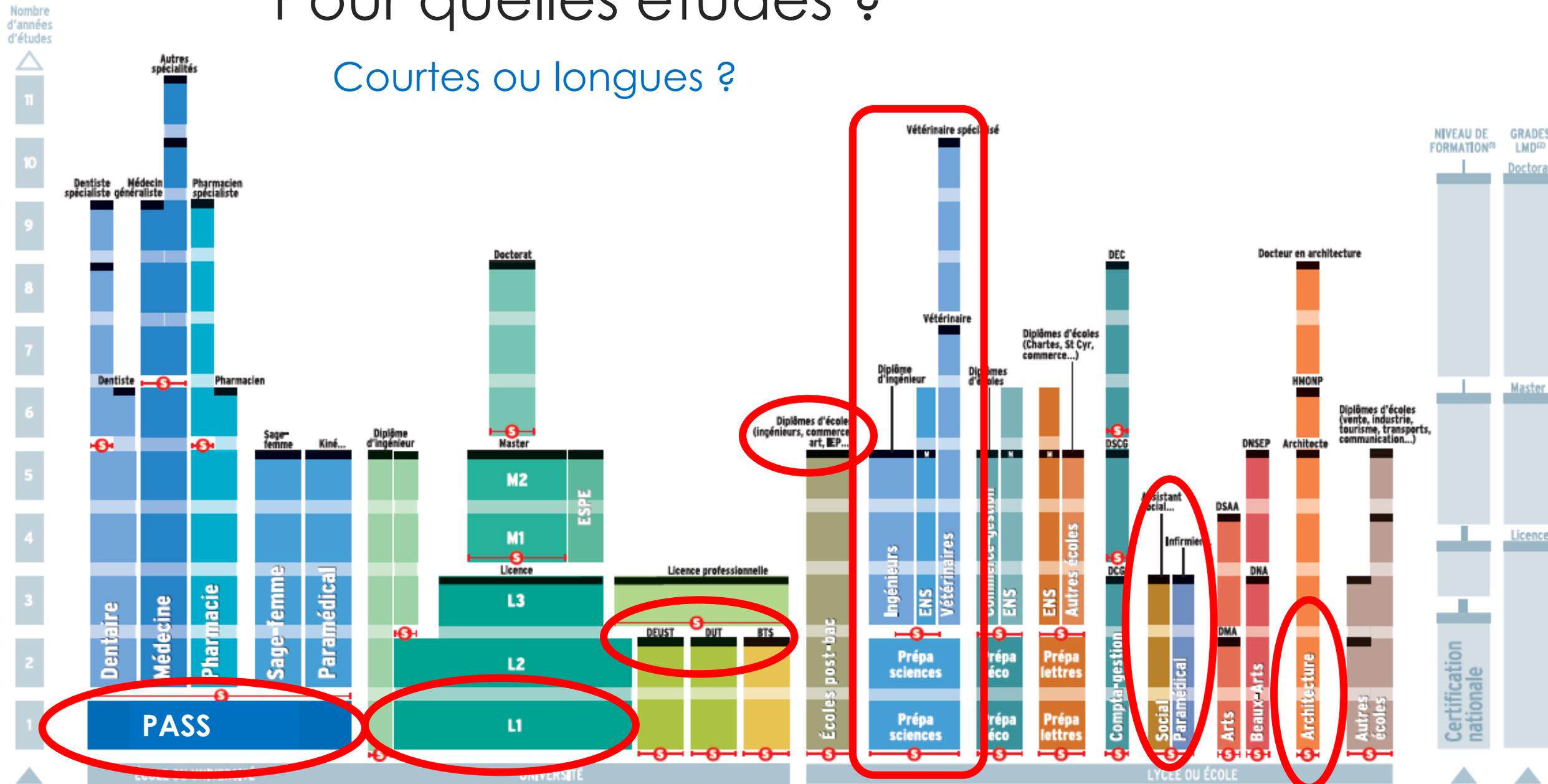
<http://physiquesimple.blogspot.com>

- Ondes et signaux



Pour quelles études ?

Courtes ou longues ?





Pour qui ?

- ✓ Etudes scientifiques envisagées

L'enseignement scientifique ne suffit pas !

- ✓ Gout pour l'expérimentation
- ✓ Résultats corrects en 2^{nde} en Sciences physiques
- ✓ Compétences mathématiques nécessaires