

- Starting a new topic assign a reading homework
- Keep language simple to begin with and then increase complexity
- Lots of images/demonstrations/activities/videos
- Everyone should have a bilingual/language dictionary
- Everyone should compile a glossary

Language of Learning

- The vocabulary of the topic: nouns, adjectives, verbs.

Language for Learning

- Working together, discussing, questioning, writing, reporting.

Language through Learning

- Analysing, concluding, arguing an opinion.

Vocabulary

- <https://myvocabulary.com/word-game-puzzles/science-chemistry-physics-geology-vocabulary/interactive-puzzles/>
- <http://worksheets.theteacherscorner.net/make-your-own/word-search/>
- <http://worksheets.theteacherscorner.net/make-your-own/crossword/52881/biology/>

Visuals/Demonstrations

- <http://www.youtube.com/watch?v=m55kgyApYrY>
- <http://www.youtube.com/watch?v=m55kgyApYrY>
- <http://www.youtube.com/watch?v=bhofN1xX6u0>
- https://phet.colorado.edu/sims/projectile-motion/projectile-motion_en.html
- <http://www.youtube.com/watch?v=ve6XGKZxYxA>

Diagrams

- <http://generalhorticulture.tamu.edu/h202/labs/lab2/FLOWER.GIF>
- <http://www.ayalainternational.com/images/digestive.JPG>
- <http://www.exampaper.com.sg/blog/wp-content/uploads/2010/10/physics-general-wave-properties.gif>

Graphs

- <http://www.richtherrn.com/physics/motion2.htm.doc3.jpg>
- <http://www.sengpielaudio.com/DistanceLawE-Siart.gif>
- http://physics.randolphcollege.edu/Class_Archive/p332sp07/Labs/blackbody/Image2.gif

A man and his children are travelling in a boat down a river. It takes three hours for the them to travel a total distance of twelve kilometers. Find the average speed of their journey.

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- three hours \longrightarrow time = 3 hr \longrightarrow $t = 3 \text{ h}$
- distance of twelve kilometers \longrightarrow
distance = 12 km \longrightarrow $s = 12 \text{ km}$
- average speed = ? \longrightarrow $v = ?$

- Choose equation

- $v = \frac{s}{t}$

- Substitute values and calculate

$$v = \frac{12h}{3km} = 4 \text{ km/h}$$

- State and underline final answer

$$\underline{v = 4 \text{ km/h}}$$

Assessment

End of unit testing covering

- Recall
- Vocabulary
- Application – analysis, problem solving

- [Physics Revision Sheets \(1\).pdf](#)
- [Student Manual \(1\).pdf](#)
- [..\Downloads\CLIL Physics lessons on phase transitions.pdf](#)
- <http://www.algodoo.com/>

Demo

<https://www.youtube.com/watch?v=0H5g9VS0ENM>

- <http://www.ck12.org/student/>