Irish Sign Language (ISL) Stem Glossary

This resource, created by Dublin City University (DCU) contains a glossary of terms and vocabulary related specifically to the areas of science, technology, engineering and mathematics.

This resource will help with science projects. Its user friendly approach contains video links, teaching the targeted academic vocabulary supported with an ISL video. It is a fun and useful way to learn, enrich and expand ISL vocabulary. Each individual video provides a sentence, explaining the concept of the targeted word. Click here to access the site:

www.dcu.ie/islstem

Once accessed you will observe that individual vocabulary is arranged in alphabetical order. For example, for the word 'heavy' click on the letter 'h'. Proceed by clicking on the word 'heavy'. The ISL video will play.

Some tips for teaching a Deaf/Hard of Hearing individual scientific concepts.

- Children with hearing loss needs a variety of experiences and approaches to interact and comprehend a concept.
- Use visual representations, such as diagrams to relay a concept.
- Provide practical experiments to support learning.
- Relate concepts to real life experiences.
- Create links between the written vocabularies with visual imagery.
- Use concrete objects to supports the understating of a concept.
- Encourage discussion and questioning, to develop creative thinking. For example ask, ''what might happen if''? etc.

- Use Role play. Acting out, what is often an abstract concept, is an excellent approach to help unlock concepts and to ensure technical vocabulary is explored and understood.
- Learning through fun is always most effective.