

Sciences - Materials
Fourth Level SCN 4-15a

Through gaining an understanding of the structure of atoms and how they join, I can begin to connect the properties of substances with their possible structures.

Sciences - Materials
Fourth Level SCN 4-16a

I have carried out research into novel materials and can begin to explain the scientific basis of their properties and discuss the possible impacts they may have on society.

Sciences - Materials
Fourth Level SCN 4-16b

Through evaluation of experimental results, I can demonstrate my understanding of conservation of mass.

Sciences - Materials
Fourth Level SCN 4-17a

I have explored how different materials can be derived from crude oil and their uses. I can explain the importance of carbon compounds in our lives.

Sciences - Materials
Fourth Level SCN 4-18a

I can monitor the environment by collecting and analysing samples. I can interpret the results to inform others about levels of pollution and express a considered opinion on how science can help to protect our environment.

Sciences - Materials
Fourth Level SCN 4-19a

I can collect and analyse experimental data on chemical reactions that result in an obvious change in energy. I can apply my findings to explain the significance of the energy changes associated with chemical reactions.

Sciences - Materials
Fourth Level SCN 4-19b

Having carried out a range of experiments using different chemicals, I can place metals in an order of reactivity, and relate my findings to their everyday uses.