

Sticky Learning for Science (Chemistry)

Class 4

Mad Materials

Properties and Changes of Materials (Year 5)

I can give reasons, based on evidence, for the particular uses of everyday materials. (SL1)

I can explain that some changes result in the formation of new materials and that this kind of change is not reversible. (SL2)

I can know that some materials will dissolve in a liquid to form a solution and describe how to recover a substance from a solution. (SL3)

I can compare and group together everyday materials based on their properties. (SL4) MO EM IC PE RR DC AE

I can demonstrate that dissolving, mixing and changes of state are reversible changes. (SL5) AQ MP MO RR DC AE

I can use my knowledge of solids, liquids and gases to separate salt from rock salt. (SL6) AQ MO EM DC AE

Key Vocabulary to learn:

- Filtering, sieving and evaporating
- Soluble/insoluble
- Fair test
- Reversible, irreversible
- Change of state
- Dissolve

Working Scientifically:

AQ Asking and answering questions

MP Making predictions

MO Making observations

EM Equipment and measurements

IC Identifying and classifying

PE Engaging in practical enquiry (investigations)

RR Recording and reporting findings

DC Drawing conclusions

AE Analysing data, evaluating and raising further questions and predictions