

Sticky Learning for Science (Chemistry)

Class 3

Mad as Matter

States of Matter (Year 4)

I can compare and group materials together according to whether they are solids, liquids or gases.

I can observe that some materials change state when they are heated and cooled.

I can find out the temperature in degrees Celsius ($^{\circ}\text{C}$) that some materials change state.

I can describe and explain the water cycle.

I can identify the part played by evaporation and condensation in the water cycle.

I can explain how the rate of evaporation is affected by temperature.

I can classify different materials as solids, liquids and gases. **MO IC RR**

I can observe ice cubes and explain what happens and why. **AQ MP MO DC AE**

I can investigate gases by asking the question 'Do gases have mass?' **AQ MP MO EM PE RR DC AE**

Key Vocabulary to learn:

- **Material**
- **Temperature**
- **Degrees Celsius ($^{\circ}\text{C}$)**
- **Solid**
- **Liquid**
- **Gas**
- **Evaporation**
- **Condensation**
- **Heat/Cool**
- **Water Cycle**

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

