**Early innovators – Variable grid example**

What things might affect the temperature in the safe?

|  |  |  |
| --- | --- | --- |
|  | Length of the hessian  | Placement of material  |
| Portion size of ice cube/butter | Temperatures (teachers please note this is an example it is important you record the ideas the students give you ) | Wind  |
| Type of carton  | Size of carton  | Where the safe is placed |

**What happens to** the temperature in the carton **when we change** the amount of wind around it?

**Cows** **C**hange one thing

**Moo** **M**easure and observe

**Softly** Keep the other things the **S**ame (controlled variable).

|  |  |  |
| --- | --- | --- |
| Change |  | Independent variable |
| Measure  | Temperature or melting rate | Dependent variable  |
| Keep the Same | CartonPlacement Length of hessian Portion size of butter/ice cube  | Controlled variable |