Year 5 – Spring 2 Properties and Changes of Materials

Things to include each half term:
1 x active learning
1 x outdoor science lesson
3 x experiments/investigations
1 x child-led investigation
3 x examples of working scientifically

Science display:

Diagrams of mixture and solutions difference
Change of states
Key words and definitions
Examples of children's work/ pictures

Science Adventure
Medium Term Planning

Lesson 1
Investigation (dissolving) – how to make a mixture? What is a mixture?
- Create mixtures
- -use key terminology
- Display findings (working scientifically)

Lesson 2
Investigation – how to make a solution? What is a solution?
- Compare and contrast making solutions and mixtures. Display findings (working scientifically).

Lesson 3
Active learn – how to separate a mixture? Chn act it out and then make prediction?
Investigation – separate using colander, muslin cloth, sieve etc…
Take photos – chn to annotate them with their methods, conclusion etc…

Lesson 4
Change of states and separating solution. How to separate a solution? How would we separate our solutions?
Possible investigation?

Lesson 5
Child led investigation – sort a series of liquids – are they mixtures or solutions?
Predict – how would you separate?
Display findings (working scientifically)

Science Adventure
Medium Term Planning

Lesson 6
Physical and chemical changes – what are they, what is the difference.
Show physical and chemical changes.
Children predict what they are. (working scientifically)
Outdoor learning?