Mixture and Separations

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Mixtures		
- Classify mixtures		
- Describe how insoluble solids can be separated from a liquid		
Solutions		
- Recall the definitions of soluble, insoluble, solute, solvent and solution		
- Describe the stages of filtration and evaporation		
- Plan an investigation to describe the effect of changing temperature on solubility		
Filtration and Evaporation & Core Practical - Separating Mixtures Experiment 1		
- Carry out an investigation to describe the effect of changing temperature on solubility		
- Describe the effect of saturation on dissolving.		
Distillation		
- Explain how distillation can be used to separate a solvent from a solution		
- Give examples of where distillation is used		
Chromatography & Core Practical Separating Mixtures Experiment 1		
- Describe how chromatography can be used to identify substances in a mixture		
- Explain how chromatography works		
- Carry out a practical to separate the colours in ink		

Mixture and Separations

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Mixtures		
- Classify mixtures		
- Describe how insoluble solids can be separated from a liquid		
Solutions		
- Recall the definitions of soluble, insoluble, solute, solvent and solution		
- Describe the stages of filtration and evaporation		
- Plan an investigation to describe the effect of changing temperature on solubility		
Filtration and Evaporation & Core Practical - Separating Mixtures Experiment 1		
- Carry out an investigation to describe the effect of changing temperature on solubility		
- Describe the effect of saturation on dissolving.		
Distillation		
- Explain how distillation can be used to separate a solvent from a solution		
- Give examples of where distillation is used		
Chromatography & Core Practical Separating Mixtures Experiment 1		
- Describe how chromatography can be used to identify substances in a mixture		
- Explain how chromatography works		
- Carry out a practical to separate the colours in ink		