

Knowledge I need to know by the end of this topic:

• I can work with others to design, market and manufacture a shampoo.

• I can explain why we used certain essential oils and herbs for our shampoo.

• I am aware of how essential oils are extracted in industry by steam distillation. We can replicate this process in the lab but it is not as efficient.

• I can extract fragrances from herbs by boiling them in water.

• Using ingredients provided, I can make shampoo.

• After having done this, I can test my shampoo against others in the market by testing their pH, ability to break down oil, and by testing foam formation, quality and retention.

• I am able to work with my peers to create a presentation to 'sell' our product to investors.

• I can use a variety of sources to research the uses of different plants.

• I can give examples of: medicines that are derived from plants and plants that are used as herbal remedies.