

Evaluation of a Dental Model for Training Veterinary and Veterinary Nursing Students

Guidance notes for tutors – generating the model

The following information is intended to be used as a guide to setting up and using the dental model for training students to perform a dental scale and polish technique.

Equipment required for the model

White ceramic mosaic tiles*

* mosaic tiles will often come pre-attached to grid like mesh – do not remove this!

Silicone sealant (ideally coloured red)

White wall tile grout

Spatula or spoon for mixing up grout

Plastic container in which to mix up grout

Cotton buds to apply grout to tiles

How to make the model

1. Squeeze a thin layer of silicone sealant onto the top of each row of tiles and allow this to dry
2. Place a small quantity of grout into a plastic container
3. Add water to make a smooth paste
4. Using a cotton bud, apply a small quantity of grout onto each tile and allow to dry
5. Once the grout has dried, cut up the grid-like mesh, creating long rows of around 5 – 6 tiles per strip



Figure 1: The dental model which has been constructed using ceramic tiles, silicone sealant and grout to emulate teeth, gingiva and calculus respectively.