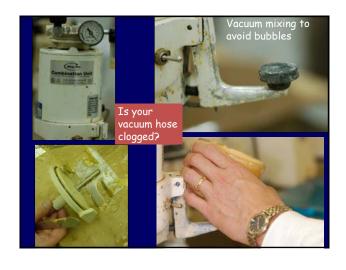


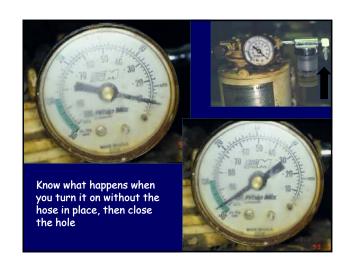
Our Goal

- What do we know? What do we need to
- Pouring casts
- Trimming casts
- Duplicating a model with an alginate impression
- What do we need to learn?
- Principles for casts
- Dimensions for stone
 Patient differences on cast design
- Cast needs for different situations



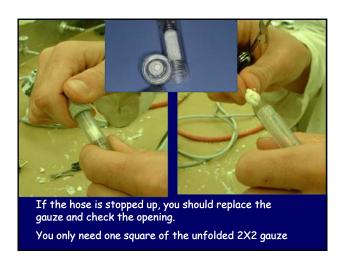






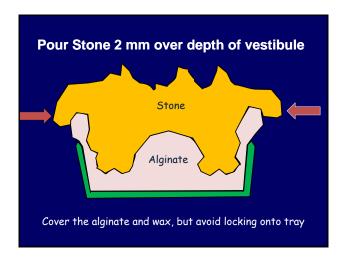


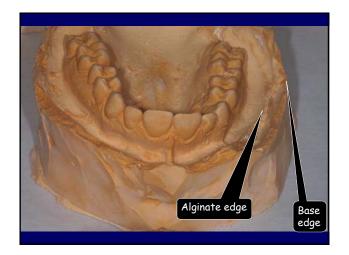








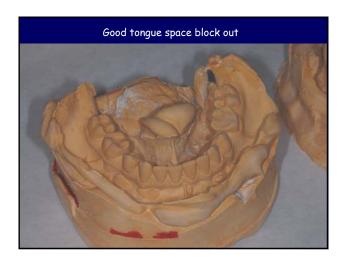






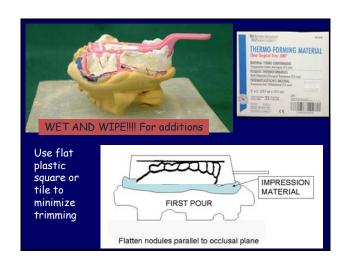


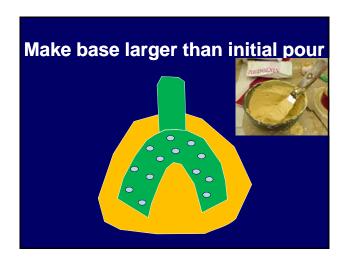




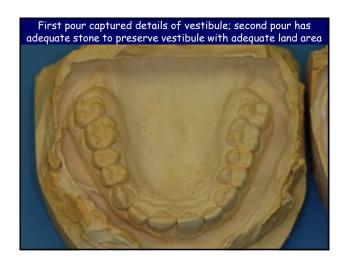


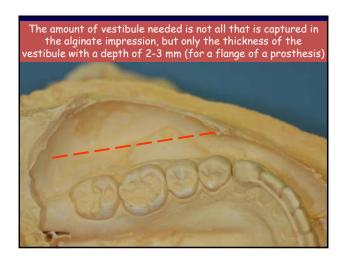




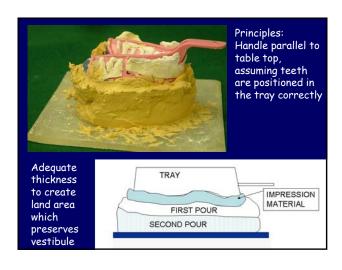
















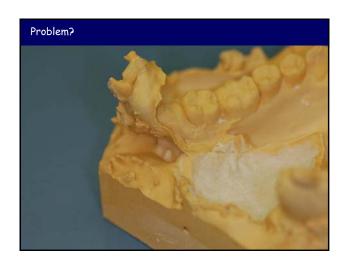




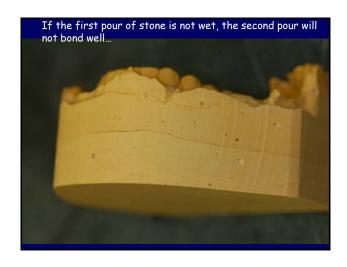


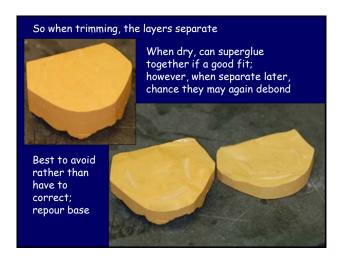


















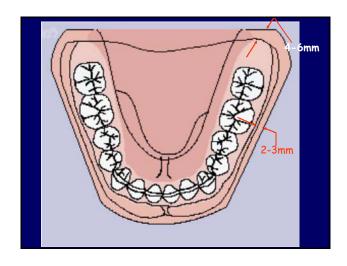


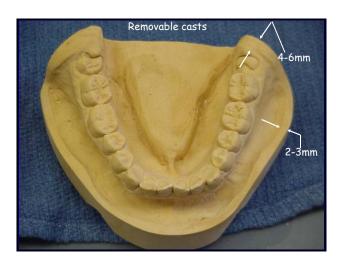








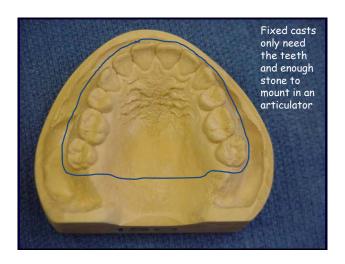


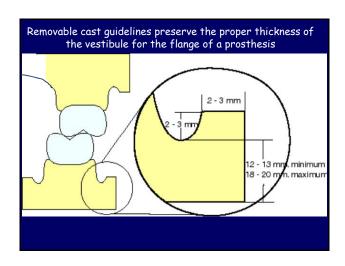


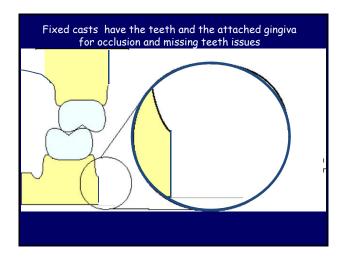
Fixed & Removable Casts "Fixed Casts" "Removable Cast" Teeth focus **Teeth focus** Attached Gingiva Attached and unattached Tissue focus No Vestibule Vestibule width at 2-3mm • Trimmed toTerminal Land area to strengthen tooth cast at vestibule Edges beveled **Hamular notches** Mounted so as not to be Retromolar pad removed **Mounted to remove**



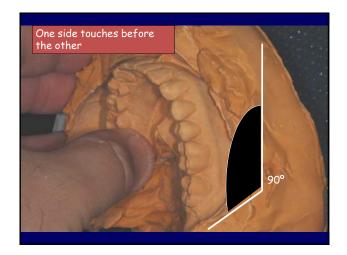




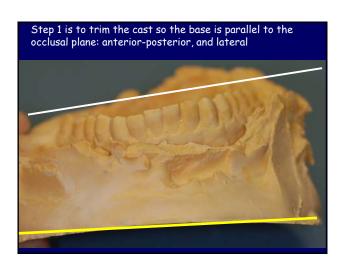








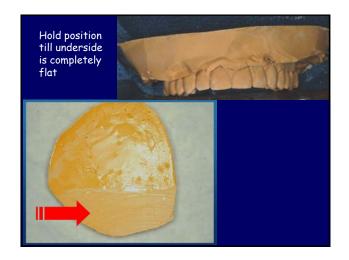






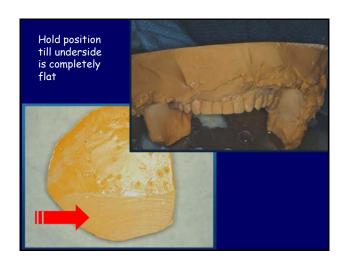






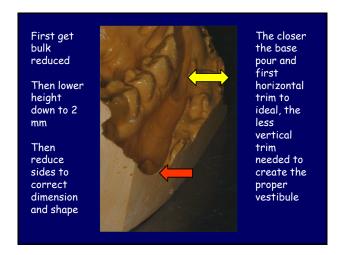


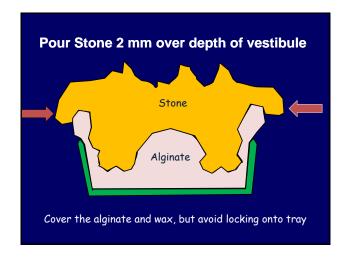


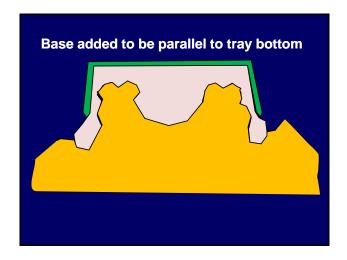


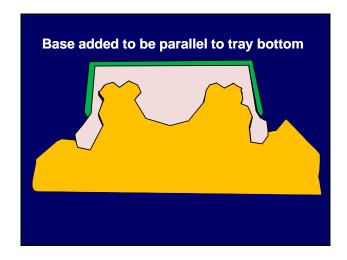


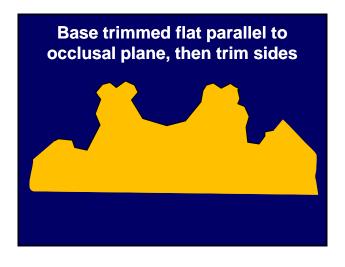


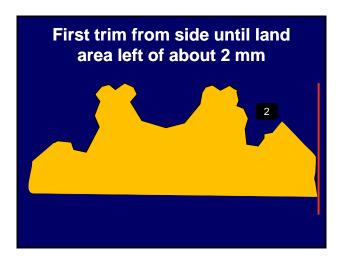


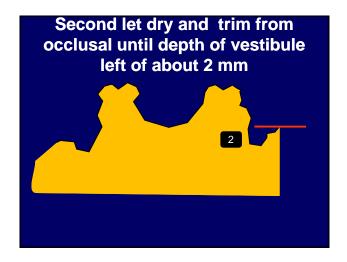


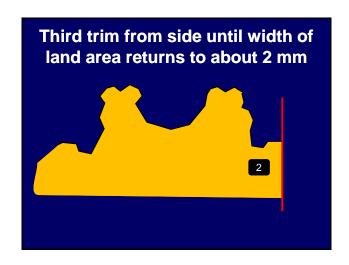






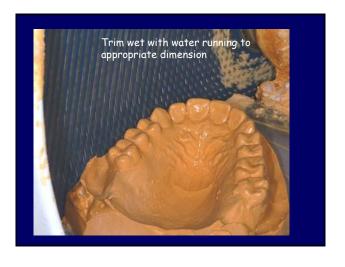




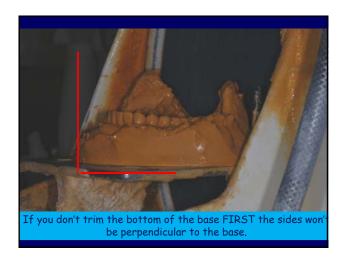


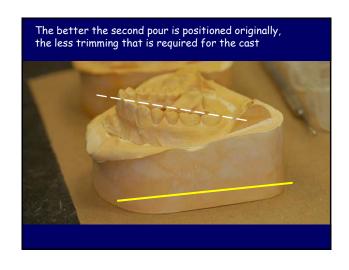




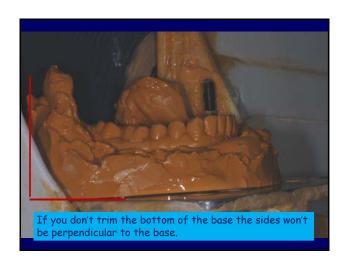




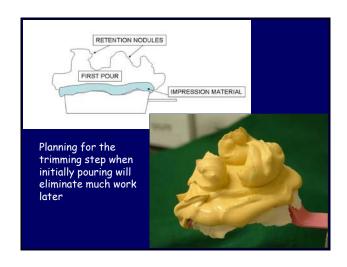


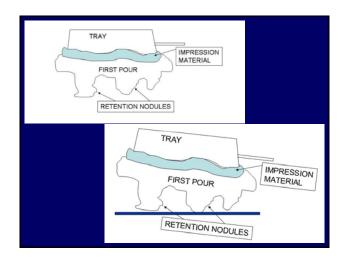


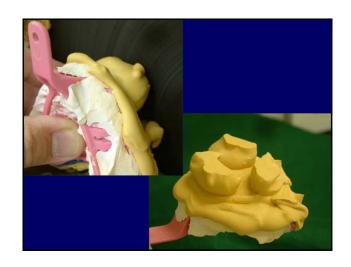














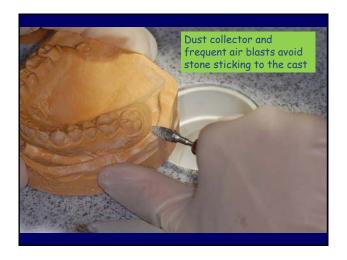








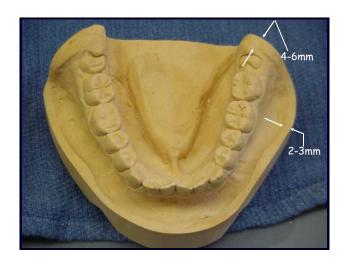






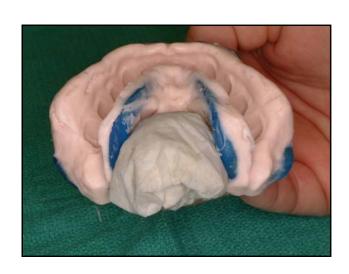










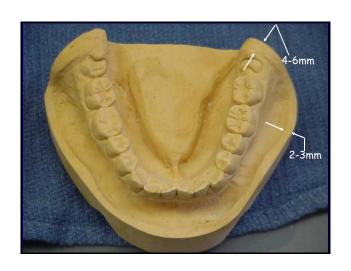


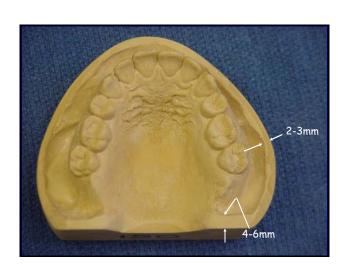








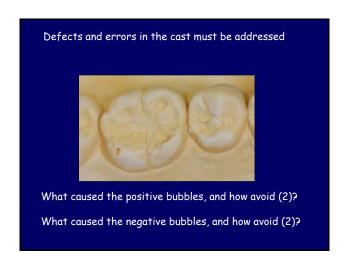


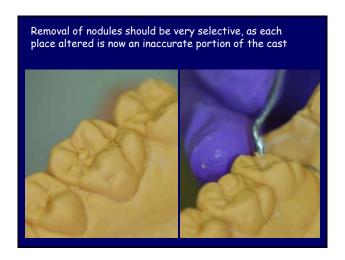


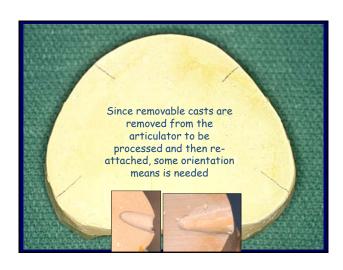










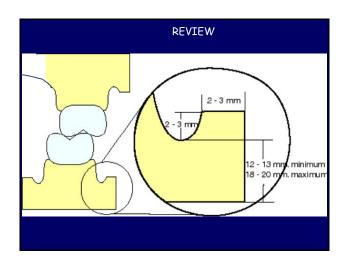


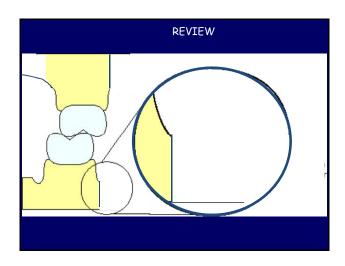


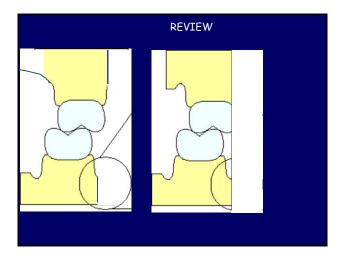






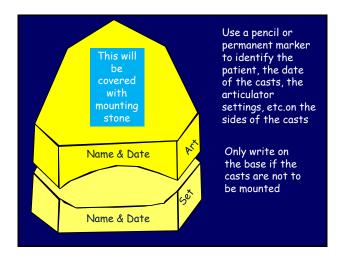




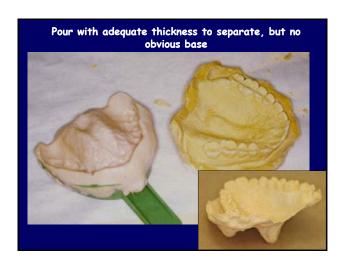












Cast Development

- Minimum positive blebs (finger wipe)
- No voids on teeth (correct LC Blockout)
- No tissue distortion (adjacent to teeth)
- No vestibule (trim from base side)
- · Horseshoe or thin center area / hole
- · Central incisors vertical to flat base
- Dry (for porosity and adaptation when ready to fabricate tray)

Options for Maxillary Cast for Bleaching Tray

- 1. New alginate impression
- 2. Duplicate existing cast
- 3. Double-pour properly-managed alginate impression

Double-Pour Alginate Impression

- Due to the extensive trimming of the cast for the tray, double-pouring the alginate impression generates a 2nd diagnostic cast for occlusal or esthetic treatment
- First pour must be kept in wet towel or humidor until stone has set (20-45 m)
- Rinse and repour (if no tears) results in cast of equal quality to an additional impression

(Haywood VB, Powe A. Using Double-poured Alginate Impressions to Fabricate Bleaching Trays. Operative Dent 1998;23(3):128-131.)

