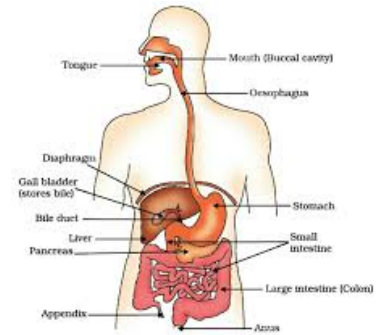# Digestive System Modelling - Year 10 GW

Task	Key Points
1. **Mouth** - use the mortar and pestle to grind up some food and drink, add saliva.	This mimics the teeth action in the mouth
2. **Stomach** - add the ground up food (bolus) into the chyme in the stomach. Add some stomach acid, mix well.	Stomach - labeled ice-cream container
3. **Duodenum** - add the stomach contents into the duodenum, add some bile and mix well.	Duodenum - labeled snaplock bag
4. Cut the corner of the duodenum bag then squeeze the chyme into the **'intestine'.**	Intestines - pantyhose
5. **Small Intestine** - push the mixture through the intestine; make sure to squeeze out as much liquid into the body as possible.	Body - tote tray
6. **Large Intestine/Colon** - cut a hole in the toe of the 'colon' and squeeze out the stool into the stool receptacle.	Stool Receptacle - ice cream container
7. Tidy up and wash your hands.	

Y10 Technician notes

Food - use cocoa pops, rices, orange juice
Bile - green water
Stomach acid - vinegar
Chyme -1 C oats soaked in 1 C water overnight- add 2 T baking soda just before use
Saliva - gelatin mixed in cold water to look frothy and gross!