Name: Class:

	Red	Amber	Green
Specialist Technical Principles: Polymers: New sub-topic			
P1: I can know the difference between themoplastics and thermosetting plastics.			
P2: I can know the primary sources of polymers			
P3: I can understand the processes involved in refining, fractional distillation and cracking to produce workable forms of polymers			
P4: I can understand how plastics can be modified to enhance their properties.			
P5: I can be aware of sustainability and ethical issues in plastics production, in use and end of life			
P6: I can know and understand the commercial stock forms, types and sizes of materials to calculate quantities			
P7: I can be aware of school-based cutting, drilling, casting, deforming, printing and welding techniques			
P8: I can understand how the properties of different polymers influence use and affect performance			
P9: I can be aware of commercial processing techniques for plastics			
P10: I can understand the application and use of quality control during manufacture including: vacuum forming, blow moulding, extrusion and injection moulding.			
P11: I can understand how preparation and the application of surface treatments and finishes affect the functional and aesthetic properties of polymer-based products.			