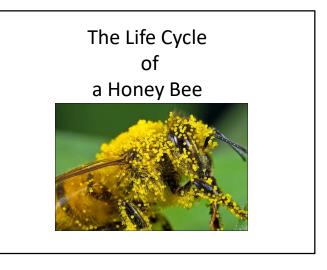


West Suffolk Beekeepers' Beginners' Course



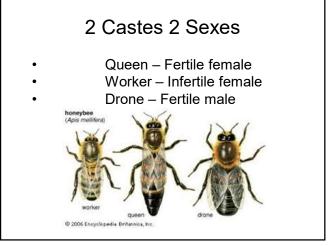
By the end of this session...
Be able to identify the bees in a hive
Understand the function of the worker, queen and drone
Begin to understand the bee life cycle
Know some of the duties of bees within the hive

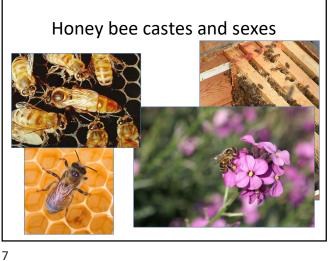


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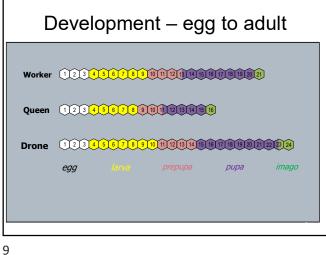
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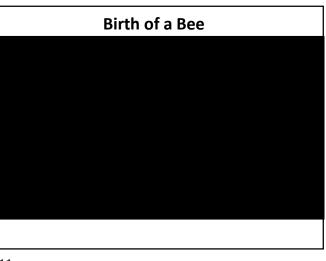


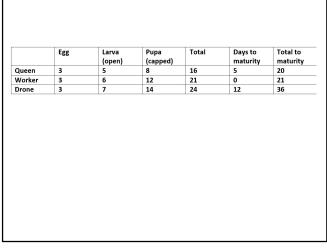


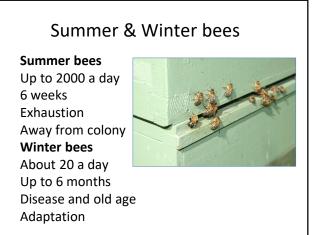
	Repertient (Austimation) (Aust			1	
	Natural History	1			
\wedge	Know the development, timings and longevity for a:		3.9		
X	> queen				
	> worker				
	drone	10	35		
	Know the:				
	roles of the queen in the colony				
	 roles of drones in the colony 				
	roles of workers and age relationship				
	Explain how wax is produced and used	0			
	Explain how a colony passes through winter		22		
		1	1	1	

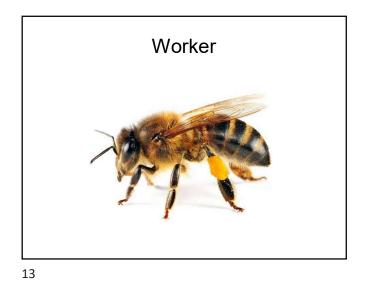


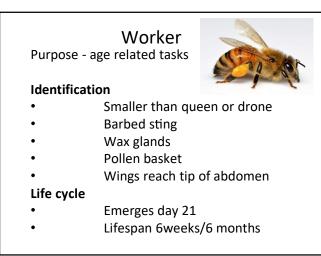












Days		Duties	Speciality		
1-2	young bee	cleans cells, helps maintain hive temperature			
3-5		Gorges on pollen and honey, feeds older larvae		house bee	
6-11	nurse bee	feeds younger larvae and queen on royal jelly	hypopharyngeal glands developed & very active		
8-12	first orientation flights: hive marking				
12-21	wax maker	general domestic duties, comb building, ripening nectar, hive ventilation, etc	wax glands fully developed & very active		
18-21	guard bee	guarding capability	venom glands fill up the venom sac	flying bee	
22-43	forager bee	collects pollen, nectar, propolis and water	field/foraging bee		

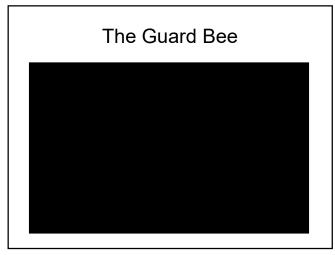




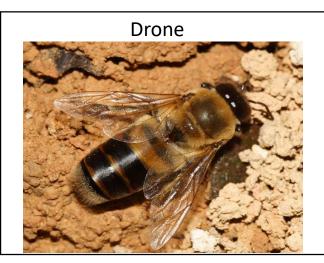
The Propolis Collector



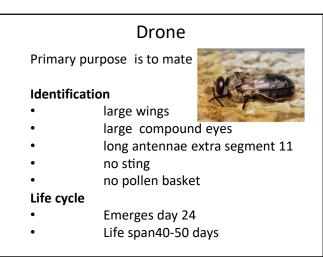




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22



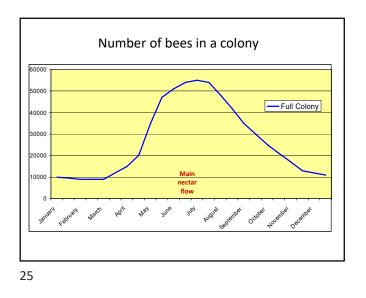
The drone's legacy?

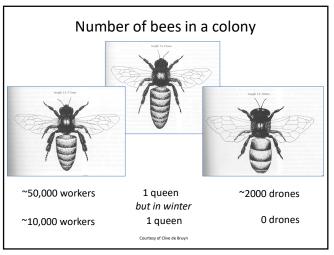
Multiple mating ensures genetic diversity

Carries the queen's genes forward

Ensures the continuation of a colony

Design ensures no cross - breeding





Important Facts for later									
	Egg	Larva	Pupa	Total	Days to	Total to			
		(open)	(capped)		maturity	maturity			
Queen	3	5	7	16	5	20			
Worker	3	6	12	21	0	21			
Drone	3	7	14	24	12	36			
Queen 3:5:7 Worker 3:6:12 Drone 3:7:14									





