

**SKILLS FRAMEWORK FOR TOURISM  
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE**

<b>TSC Category</b>	Attractions Operations					
<b>TSC</b>	Animal Husbandry and Nutrition					
<b>TSC Description</b>	Manage policies and practices regarding the care and keeping of animals, including feeding, cleaning and monitoring of animal behaviours					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
		<b>TOU-ATO-2003-1.1</b>	<b>TOU-ATO-3003-1.1</b>	<b>TOU-ATO-4003-1.1</b>		
		Perform routine care of animals	Perform specialised care of animals	Manage the care and well-being of animals		
<b>Knowledge</b>		<ul style="list-style-type: none"> <li>Animal behaviours, characteristics, anatomy and physiology</li> <li>Behavioural and physiological indicators of animal welfare</li> <li>Animal feeding techniques</li> <li>Types of animal diets</li> <li>Safe handling of animals</li> <li>Animal and keeper safety and emergency procedures</li> <li>Basic open water diver certification such as Professional Association of Diving Instructors (PADI), National Association of Underwater Instructors (NAUI), Scuba Schools International (SSI) or equivalent for aquarists</li> </ul>	<ul style="list-style-type: none"> <li>Animal taxonomy to the rank of species</li> <li>Animal food and supplement preparation methods</li> <li>Treatment and medicine administering protocols</li> <li>Animal pre-natal, gestational and post-natal care procedures</li> <li>Basic open water diver certification such as Professional Association of Diving Instructors (PADI), National Association of Underwater Instructors (NAUI), Scuba Schools International (SSI) or equivalent for aquarists</li> </ul>	<ul style="list-style-type: none"> <li>Principles of population management</li> <li>Animal welfare assessment policies</li> <li>Signs and symptoms of animal diseases</li> <li>Species-appropriate social group composition</li> <li>Basic open water diver certification such as Professional Association of Diving Instructors (PADI), National Association of Underwater Instructors (NAUI), Scuba Schools International (SSI) or equivalent for aquarists</li> </ul>		
<b>Abilities</b>		<ul style="list-style-type: none"> <li>Identify abnormal conditions and behaviours in animals</li> <li>Identify sexual dimorphism</li> <li>Apply non-invasive procedures to obtain biological samples</li> </ul>	<ul style="list-style-type: none"> <li>Analyse abnormal conditions and behaviours in animals</li> <li>Monitor for signs of reproduction, breeding behaviours and animal pregnancy</li> </ul>	<ul style="list-style-type: none"> <li>Collaborate with zoo management to determine composition of animals</li> <li>Manage animal diets</li> <li>Develop animal husbandry manuals</li> <li>Perform animal welfare assessments</li> </ul>		

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		<ul style="list-style-type: none"> <li>• Administer animal food and supplements</li> <li>• Assess responsiveness of animals to feeding programmes</li> <li>• Provide feedback to other keepers and nutritionists</li> <li>• Update records and logs relating to animal care and behaviours</li> <li>• Apply animal and keeper safety and emergency procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Apply invasive procedures to obtain biological samples</li> <li>• Prepare animal food and supplements</li> <li>• Administer treatment and medicine to animals</li> <li>• Provide feedback on animal and keeper safety and emergency procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborate with zoo veterinarians to monitor animal diseases and other health issues</li> <li>• Suggest improvements for animal and keeper safety and emergency procedures</li> </ul>		
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