

Livestock Management:

1. Raising Beef Cattle for Meat Production
2. Dairy Cattle Management for Milk Production
3. Breeding and Raising Sheep for Wool
4. Goat Farming for Meat and Milk
5. Swine Production for Pork
6. Raising and Managing Poultry for Eggs
7. Broiler Chicken Production for Meat
8. Turkey Farming for Thanksgiving Market
9. Raising Ducks for Eggs and Meat
10. Quail Farming for Meat and Eggs

Animal Health and Veterinary Science:

11. Conducting Health Checks and Vaccinations for Livestock
12. Parasite Management in Cattle
13. Creating a Nutritional Plan for Dairy Cows
14. Studying Common Diseases in Poultry
15. Managing and Treating Hoof Diseases in Sheep
16. Developing a Health Monitoring Program for Pigs
17. Researching Vaccination Schedules for Livestock
18. Conducting Behavioral Studies on Livestock
19. Designing Biosecurity Measures for Animal Farms
20. Research on Antibiotic Alternatives for Livestock

Animal Breeding and Genetics:

21. Breeding Cattle for Improved Genetics
22. Conducting Artificial Insemination in Pigs
23. Managing a Sheep Breeding Program
24. Studying Genetic Traits in Poultry
25. Developing a Selective Breeding Program for Goats
26. Researching Crossbreeding Techniques in Livestock
27. Conducting Embryo Transfer in Cattle
28. Creating a Genetic Improvement Plan for Rabbits
29. Analyzing Hereditary Traits in Horses

30. Studying Inbreeding Effects in Livestock

Small Animal Care:

- 31. Raising Rabbits for Meat and Fur
- 32. Managing a Hamster Breeding Program
- 33. Conducting Health Checks for Guinea Pigs
- 34. Studying Nutrition Requirements for Pet Birds
- 35. Breeding and Raising Fancy Mice
- 36. Researching Common Diseases in Ferrets
- 37. Designing Enrichment Activities for Small Animals
- 38. Developing a Grooming Routine for Small Pets
- 39. Conducting Behavioral Studies on Domestic Rabbits
- 40. Managing a Small Animal Rescue Program

Wildlife and Conservation:

- 41. Managing a Wildlife Rehabilitation Center
- 42. Studying Habitat Requirements for Local Wildlife
- 43. Conducting Bird Banding and Tracking Studies
- 44. Developing a Conservation Plan for Endangered Species
- 45. Researching the Impact of Urbanization on Wildlife
- 46. Studying Migration Patterns of Local Birds
- 47. Creating a Habitat Restoration Project for Native Animals
- 48. Managing a Turtle Nesting Site
- 49. Conducting Population Surveys of Local Wildlife
- 50. Researching the Effects of Pollution on Aquatic Animals

Equine Management:

- 51. Managing a Horse Boarding Facility
- 52. Training and Showing Horses
- 53. Conducting Horse Health and Wellness Checks
- 54. Studying Nutrition for Performance Horses
- 55. Breeding and Raising Foals
- 56. Developing a Horse Grooming and Care Routine
- 57. Studying Common Equine Diseases

- 58. Researching Horse Genetics and Breeding Techniques
- 59. Conducting Behavioral Studies on Horses
- 60. Managing a Therapeutic Riding Program

Beekeeping:

- 61. Managing a Honey Bee Apiary
- 62. Conducting Hive Health Inspections
- 63. Studying Pollination and its Impact on Agriculture
- 64. Harvesting and Processing Honey
- 65. Researching Bee Diseases and Parasites
- 66. Breeding and Managing Queen Bees
- 67. Developing a Bee Forage Garden
- 68. Conducting Bee Behavior Studies
- 69. Researching Sustainable Beekeeping Practices
- 70. Managing a Bee Rescue and Relocation Program

Aquaculture:

- 71. Raising Fish in a Recirculating Aquaculture System
- 72. Managing a Fish Hatchery
- 73. Conducting Health Checks on Aquatic Animals
- 74. Studying Water Quality Requirements for Fish
- 75. Breeding and Raising Ornamental Fish
- 76. Developing a Feeding Program for Aquaculture
- 77. Researching Common Diseases in Fish
- 78. Managing a Shrimp Farming Operation
- 79. Conducting Behavioral Studies on Aquatic Animals
- 80. Developing a Sustainable Aquaculture Plan

Animal Training and Behavior:

- 81. Training Dogs for Obedience Competitions
- 82. Managing a Dog Agility Training Program
- 83. Conducting Behavioral Studies on Cats
- 84. Developing a Clicker Training Program for Dogs
- 85. Studying Animal Cognition and Learning

86. Training Therapy Animals for Service
87. Researching the Impact of Enrichment on Animal Behavior
88. Conducting Behavior Modification Programs for Pets
89. Studying Communication Methods in Animals
90. Training Horses for Equestrian Sports

Animal Nutrition:

91. Developing a Balanced Diet Plan for Livestock
92. Studying the Effects of Supplements on Animal Health
93. Conducting Feeding Trials with Different Diets
94. Researching Nutritional Requirements for Pregnant Animals
95. Developing a Nutrition Plan for Performance Animals
96. Studying the Impact of Diet on Animal Growth
97. Researching the Benefits of Organic Feed
98. Conducting Comparative Studies on Commercial Feeds
99. Developing a Forage Plan for Grazing Animals
100. Studying the Effects of Diet on Animal Reproduction

Animal Welfare and Ethics:

101. Developing a Humane Handling Program for Livestock
102. Conducting Welfare Assessments on Animal Farms
103. Researching Animal Welfare Standards and Regulations
104. Studying the Impact of Housing Conditions on Animal Health
105. Developing an Animal Enrichment Program
106. Conducting Ethical Studies on Animal Testing
107. Researching the Benefits of Free-Range Systems
108. Managing an Animal Shelter for Abandoned Pets
109. Studying the Effects of Stress on Animal Health
110. Developing a Welfare Certification Program for Farms

Animal Biotechnology:

111. Conducting Genetic Modification Studies in Livestock
112. Researching Cloning Techniques in Animals
113. Developing Transgenic Animals for Research

114. Studying the Use of CRISPR in Animal Genetics
115. Conducting Stem Cell Research in Veterinary Science
116. Developing Biotechnological Solutions for Animal Health
117. Researching the Impact of Biotechnology on Animal Production
118. Studying the Ethical Implications of Animal Biotechnology
119. Developing DNA Fingerprinting Techniques for Livestock
120. Researching the Use of Biotech Vaccines in Animals

Animal Marketing and Agribusiness:

121. Developing a Marketing Plan for Livestock Products
122. Conducting Market Research for Animal Products
123. Managing a Farm-to-Table Business
124. Developing Value-Added Products from Animal Byproducts
125. Researching Consumer Preferences for Animal Products
126. Managing an Online Store for Livestock Products
127. Conducting Feasibility Studies for Animal Agribusiness
128. Developing a Business Plan for a Dairy Farm
129. Researching the Impact of Branding on Animal Products
130. Managing a Farmer's Market Booth for Animal Products

Animal Science Research:

131. Conducting Genetic Research on Livestock
132. Studying Animal Physiology and Reproduction
133. Researching the Impact of Climate Change on Animal Agriculture
134. Conducting Nutritional Research on Livestock
135. Studying Animal Behavior and Welfare
136. Researching Disease Resistance in Livestock
137. Conducting Comparative Studies on Animal Breeds
138. Studying the Microbiome of Livestock
139. Researching the Impact of Housing Systems on Animal Health
140. Conducting Studies on Animal Growth and Development

Animal Assisted Therapy:

141. Developing an Animal-Assisted Therapy Program

142. Researching the Benefits of Therapy Animals
143. Managing a Therapy Dog Training Program
144. Conducting Studies on Animal-Assisted Interventions
145. Developing Therapy Animal Certification Programs
146. Researching the Impact of Animal-Assisted Therapy on Mental Health
147. Conducting Behavioral Studies on Therapy Animals
148. Managing a Therapy Animal Volunteer Program
149. Researching the Use of Horses in Therapy
150. Developing Animal-Assisted Activities for Schools

Sustainable Animal Farming:

151. Developing a Sustainable Livestock Farming Plan
152. Researching the Benefits of Pasture-Raised Systems
153. Managing a Rotational Grazing Program
154. Conducting Studies on Organic Animal Farming
155. Developing a Sustainable Feed Plan for Livestock
156. Researching the Impact of Sustainable Practices on Animal Health
157. Managing a Permaculture Farm with Livestock
158. Conducting Environmental Impact Studies on Animal Farms
159. Developing a Waste Management Plan for Animal Farms
160. Researching Renewable Energy Solutions for Livestock Farms

Exotic Animal Management:

161. Managing an Exotic Animal Breeding Program
162. Conducting Health Checks on Exotic Pets
163. Studying Nutrition Requirements for Exotic Animals
164. Developing Enrichment Programs for Zoo Animals
165. Researching Common Diseases in Exotic Animals
166. Managing a Rescue and Rehabilitation Program for Exotic Pets
167. Conducting Behavioral Studies on Exotic Animals
168. Developing Housing Systems for Exotic Pets
169. Researching the Impact of Captivity on Exotic Animals
170. Managing a Conservation Breeding Program for Endangered Species

Animal Shows and Competitions:

171. Preparing Livestock for County Fairs
172. Conducting Grooming and Training for Show Dogs
173. Managing a Horse Show Competition
174. Researching Judging Criteria for Livestock Shows
175. Developing a Showmanship Training Program
176. Conducting Studies on the Impact of Shows on Animal Health
177. Managing a Poultry Show and Competition
178. Preparing Rabbits for 4-H Shows
179. Researching the History of Livestock Shows
180. Developing a Marketing Plan for Animal Shows

Animal Behavior and Psychology:

181. Studying Social Behavior in Livestock
182. Researching Animal Cognition and Learning Abilities
183. Conducting Studies on Animal Communication
184. Developing Behavior Modification Programs for Pets
185. Researching the Impact of Enrichment on Animal Behavior
186. Conducting Studies on Animal Personality and Temperament
187. Managing a Behavioral Therapy Program for Pets
188. Researching the Effects of Domestication on Animal Behavior
189. Conducting Comparative Studies on Wild and Domestic Animals
190. Developing Training Programs for Behavioral Issues in Pets

Animal Products and Processing:

191. Researching Meat Processing Techniques
192. Developing Value-Added Products from Livestock
193. Conducting Studies on Milk Processing and Cheese Making
194. Managing a Small-Scale Meat Processing Plant
195. Researching the Impact of Processing Methods on Meat Quality
196. Developing a Marketing Plan for Animal Byproducts
197. Conducting Feasibility Studies for Meat Processing Businesses
198. Managing an Egg Processing and Packaging Plant
199. Researching Sustainable Processing Methods for Animal Products
200. Developing a Business Plan for a Livestock Product Processing Facility

These ideas span a wide range of animal-related projects, offering students opportunities to explore various aspects of animal science, management, and industry.