

# SAE Project Ideas For FFA

## Animal Science Projects

1. Raise chickens and gather eggs to sell at farmers markets.
2. Teach a dog to help people who need it.
3. Start a rabbit breeding project for shows and meat.
4. Keep honeybees and sell sweet honey to neighbors.
5. Grow earthworms to make rich garden soil.
6. Hatch baby chicks and sell them to farmers nearby.
7. Offer pet sitting for neighbors when they are away.
8. Raise dairy goats and make tasty cheese to share.
9. Train horses to give riding lessons to kids.
10. Raise sheep for wool and learn to spin yarn.
11. Breed fancy goldfish to sell to pet stores.
12. Keep quail for small eggs you can sell.
13. Breed guinea pigs for families to have as pets.
14. Raise show pigs and take them to county fairs.
15. Learn to groom dogs and start a small shop.
16. Hatch ducks and raise them for eggs and meat.
17. Rescue pets and help them find new homes.
18. Raise cows and sell beef to local families.
19. Start a backyard fish farm in tanks.
20. Raise turkeys to sell for Thanksgiving.
21. Teach therapy animals to visit sick children.

22. Hatch pheasants and release them into the wild.
23. Open a wildlife rehab center for hurt animals.
24. Raise rabbits for meat and sell to restaurants.
25. Keep exotic birds like parakeets and teach tricks.
26. Breed show cats for stores and families.
27. Raise tiny horses for petting zoos and events.
28. Start an alpaca farm and sell soft wool.
29. Keep peacocks and sell their pretty feathers.
30. Raise dairy cows and learn to make butter.
31. Open a petting zoo with friendly farm animals.
32. Hatch rare chickens to save old breeds.
33. Raise pygmy goats as pets for families.
34. Offer a dog walking service for busy people.
35. Raise game birds like quail for hunting clubs.
36. Keep llamas and use their wool for blankets.
37. Breed fancy pigeons that do fun flying tricks.
38. Start a turtle breeding program for rare kinds.
39. Try hatching duck eggs under a sitting hen.
40. Raise show cattle and compete at state fairs.

## **Plant Science Projects**

41. Grow pumpkins to sell for Halloween decorations.
42. Plant flowers and sell bouquets to neighbors.
43. Grow herbs in pots to sell to restaurants.

44. Plant apple trees and make fresh cider to sell.
45. Grow strawberries in hanging baskets for easy picking.
46. Start a veggie garden and sell at farmers markets.
47. Grow corn and pop popcorn to sell.
48. Plant sunflowers and sell seeds for bird food.
49. Grow tomatoes and make sauce to sell.
50. Start a Christmas tree farm for holiday sales.
51. Grow microgreens in your kitchen for salads.
52. Plant a butterfly garden with their favorite flowers.
53. Grow potatoes in barrels for easy harvesting.
54. Start a berry patch with raspberries and blackberries.
55. Grow mushrooms in a dark shed or basement.
56. Plant watermelons to sell at summer stands.
57. Grow gourds and make birdhouses to sell.
58. Start a lavender farm and make scented sachets.
59. Grow peanuts and learn to make peanut butter.
60. Plant squash to sell in the fall.
61. Grow flowers from seeds and sell starter plants.
62. Start a succulent garden and sell baby plants.
63. Grow beans and learn how they add nitrogen to soil.
64. Plant maple trees and collect sap for syrup.
65. Grow cucumbers and make pickles to sell.
66. Build a hydroponic system to grow lettuce year-round.
67. Grow peppers and make hot sauce to sell.

- 68. Plant cherry tomatoes in baskets for snacks.
- 69. Grow mint and make refreshing tea.
- 70. Start a vertical garden on a wall for more space.
- 71. Grow blueberries in pots for sweet summer treats.
- 72. Plant wildflowers to help bees.
- 73. Grow carrots in deep pots for straight roots.
- 74. Start composting to make rich soil.
- 75. Grow garlic and braid it for storage.
- 76. Plant heirloom veggies to save rare seeds.
- 77. Grow sweet potatoes in mounds for bigger harvests.
- 78. Start a bamboo farm for stakes and crafts.
- 79. Grow popcorn and package it for movie snacks.
- 80. Plant fruit trees and sell fresh fruit locally.

## **Agricultural Mechanics Projects**

- 81. Build chicken coops for people who raise poultry.
- 82. Fix old tractors and sell them for profit.
- 83. Make garden benches from old wood pallets.
- 84. Build raised beds for easier veggie growing.
- 85. Create simple watering systems for home gardens.
- 86. Fix small engines like lawnmowers for neighbors.
- 87. Build birdhouses from scrap wood and sell them.
- 88. Make toolboxes to sell at craft fairs.
- 89. Weld farm parts into metal garden art.

90. Build rabbit hutches for pet bunnies.
91. Make wooden signs for farms and gardens.
92. Build beehives for local beekeepers.
93. Restore old farm tools to sell to collectors.
94. Build small greenhouses for early seed starts.
95. Make insulated dog houses for cold winters.
96. Build hay feeders for horses and livestock.
97. Build compost bins to turn scraps into soil.
98. Create rain barrels to save water for gardens.
99. Weld metal fire pits for backyard cookouts.
100. Build wheelbarrows for easy garden work.
101. Make flower boxes for porches and windows.
102. Build simple wind turbines for power.
103. Create solar dryers for fruits and herbs.
104. Make bat houses to control mosquitoes.
105. Build cold frames to grow veggies in cool weather.
106. Create garden carts to move tools and plants.
107. Make planters shaped like animals for kids.
108. Build gravity-fed chicken feeders.
109. Make weather vanes to show wind direction.
110. Build mason bee houses for pollinators.
111. Build picnic tables for parks and schools.
112. Make soil sifters to remove rocks.
113. Make hanging plant holders from metal rods.

- 114. Build goat milking stands for dairy goats.
- 115. Create maple syrup evaporators for syrup.
- 116. Build vertical frames for small-space gardens.
- 117. Make saddle racks to store riding gear.
- 118. Build seed trays from recycled materials.
- 119. Create archways for climbing plants like beans.
- 120. Make butterfly houses to protect them from rain.

## **Agricultural Business Projects**

- 121. Start a lawn mowing service for neighbors.
- 122. Run a stand at farmers markets selling veggies.
- 123. Make berry jam to sell locally.
- 124. Start a seed-saving business with rare seeds.
- 125. Sell eggs in colorful cartons with fun labels.
- 126. Make healthy dog treats to sell at pet stores.
- 127. Open a pumpkin patch with hayrides in fall.
- 128. Sell painted birdhouses to decorate yards.
- 129. Make beeswax lip balm to sell.
- 130. Start a worm farm selling worm castings.
- 131. Make potpourri from dried flowers and herbs.
- 132. Offer tool sharpening for garden tools.
- 133. Sell goat milk soap at craft fairs.
- 134. Plant gardens for busy people.
- 135. Make birdseed ornaments for winter trees.

136. Offer plant watering while neighbors are away.
137. Sell wreaths made from evergreen branches.
138. Flavor honey with herbs and spices to sell.
139. Open a U-pick berry farm in your yard.
140. Sell starter veggie plants in spring.
141. Make flower seed bombs for easy planting.
142. Start a flower arranging service for events.
143. Sell baskets for picking garden veggies.
144. Share farm tools in your area.
145. Make stepping stones with pretty designs.
146. Offer leaf raking in fall.
147. Sell garden gloves with special grips.
148. Plan gardens for new gardeners.
149. Make dried herb seasoning blends to sell.
150. Offer snow shoveling in winter.
151. Sell scarecrows for garden decoration.
152. Start a seed library for trading seeds.
153. Make sunflower seed butter as a peanut butter alternative.
154. Offer garden pest control advice.
155. Sell beeswax candles you make.
156. Prune fruit trees for homeowners.
157. Make dried fruit snacks from extra fruit.
158. Offer weekly vegetable box subscriptions.
159. Sell garden markers for naming plants.

160. Start a local grass-fed beef subscription.

## **Natural Resources Projects**

161. Build rain gardens to stop runoff pollution.
162. Start a recycling program for farm plastics.
163. Plant trees along streams to stop soil loss.
164. Create wildlife areas in unused farm spots.
165. Test stream water quality with simple kits.
166. Build wood duck nesting boxes and install them.
167. Make a nature trail with plant name signs.
168. Start a school compost program for gardens.
169. Build fish homes using old Christmas trees.
170. Map invasive plants nearby for removal.
171. Create a butterfly stop with milkweed plants.
172. Collect used fishing line to keep it out of water.
173. Build bluebird houses and watch them nest.
174. Plant native grasses to stop erosion.
175. Grow food plots for deer and other wildlife.
176. Teach about rain barrels in schools.
177. Build brush piles for rabbits and quail.
178. Plant wildflowers to help bees.
179. Make owl nest boxes to catch mice.
180. Test garden soil health with kits.
181. Build bat houses to cut mosquito numbers.



182. Create a small wetland for frogs.
183. Plant fruit trees for birds to eat.
184. Record frog calls in spring to study them.
185. Build snake boxes for pest control.
186. Make perches for hawks that hunt mice.
187. Plant prairie strips in fields for pollinators.
188. Track monarch butterfly migration in your area.
189. Build turtle nesting areas near ponds.
190. Collect and share native seeds with neighbors.
191. Plant evergreen trees as living snow fences.
192. Organize community days to clean watersheds.
193. Build beaver dam models to control water.
194. Make solar water pumps for wildlife.
195. Plan firewood in woodlots for safety.
196. Build insect hibernation boxes for good bugs.
197. Create corridors for wildlife to move safely.
198. Watch and record bird nesting success.
199. Make brush piles for small mammals.
200. Put up signs to teach about watershed care.

## **Food Science Projects**

201. Make ice cream at home using local milk.
202. Create fruit roll-ups from extra orchard fruit.
203. Make apple chips from local apples for snacks.

- 204. Make maple sugar candy from boiled syrup.
- 205. Make fresh cheese using goat milk.
- 206. Mix jams with fun flavors like strawberry and basil.
- 207. Brew homemade root beer with natural ingredients.
- 208. Mix dried herbs into salt for cooking.
- 209. Make fruit vinegars for salad dressings.
- 210. Make peanut butter from fresh roasted nuts.
- 211. Make fruit leather from summer berries.
- 212. Mix herbs into honey for flavored honey.
- 213. Make beef jerky with your own spice mixes.
- 214. Make sausage from pork you raise.
- 215. Make fruit-infused water for healthy drinks.
- 216. Make pasta at home using chicken eggs.
- 217. Make ketchup from garden tomatoes.
- 218. Make yogurt using milk from your cow.
- 219. Cook applesauce with cinnamon for winter.
- 220. Make fruit preserves to sell at markets.

### **ACONTINUEAgricultural Education Projects**

- 221. Create farm safety videos to teach kids.
- 222. Make picture books that show where food comes from.
- 223. Start a school garden to teach planting.
- 224. Make flash cards about farm animals.
- 225. Teach cooking classes using garden veggies.

226. Design posters about farm jobs for schools.
227. Make soil test kits for science class.
228. Start farm-to-school programs with local farmers.
229. Create charts showing plant growth from seed to harvest.
230. Make trivia games about farm facts.
231. Make plant ID cards for nature walks.
232. Start a school compost program.
233. Make bee kits to show how pollination works.
234. Plan field trips to dairy farms for teachers.
235. Make weather boards for crop planning lessons.
236. Start reading programs with farm books.
237. Make coloring books about farm tool safety.
238. Build watershed models to show water movement.
239. Make seed starting kits for classrooms.
240. Run a student farmers market at school.
241. Make guides on caring for farm animals.
242. Create planting calendars for when to plant seeds.
243. Build worm farm boxes to watch worms.
244. Start pen pal programs between city and farm kids.
245. Show food preservation demos at county fairs.
246. Make videos interviewing farmers about their jobs.
247. Make plant part models to show roots, stems, leaves.
248. Use egg incubators for school chicken projects.
249. Make tool ID games for ag classes.

250. Design farm safety escape room games.
251. Make butterfly life cycle kits for class.
252. Host farm photo contests for young people.
253. Make soil kits to show what healthy dirt has.
254. Teach farm accounting with real examples.
255. Make time-lapse videos of plant growth.
256. Start school greenhouses to grow year-round.
257. Create boxes to teach about animal feed.
258. Make games about saving water on the farm.
259. Make farm board games to teach ag ideas.
260. Set up driving simulators to teach farm equipment safety.