

CATA Curricular Code Change Proposal

Contest:	Veterinary Science CDE	
Proposed By: (Name, School, Email)	Martin Castro, Reedley Middle College HS, castro-m@kcusd.com	
Issue: (Describe the reason/rationale for the proposed change.)		
Proposition: Open the Vet Science Contest out of Rotation.		
Reason: Fine tune what the definition and expectations of a Qualifier Contest are. In addition develop a committee consisting of the Top 5 Coaches to do a walk through of state finals contest in order to counter any errors prior to contestants entering.		
Rationale: Curricular code clearly dictates how contest should be run and what it must be provided to contestants. However there has been an inconsistency with larger contest sites that have been given state qualifier contest status. Ex: math resource sheet is required to be provided to all contestants regardless of knowledge test rigor. Lastly establish a committee that reviews a contest state qualifier status. Committee would consist of State staff Contest advisor and Top 5 coaches.		
Please answer yes or no to ALL the questions below.		
This proposal will require a contest to open out of rotation.		Yes
The change will affect General Rules.		No
The change will affect the awards needed.		No
The proposed change will affect tabulations/scorecards.		No
The proposed change will affect contest forms.		No
The proposed change will affect contest hosting site. (e.g. additional facilities, new sections, additional scoring, etc.)		No
If you answered yes to any of the above questions, you need to include the following signatures:		
CATA Approved Contest Advisor's Signature		
CDE Host Site Contest Coordinator's Signature		
If you answered yes to any of the above questions, please explain.		
As stated above. The intent for opening the Vet Science out of rotation, is to define the expectations of what makes a contest site a state qualifier. Ensuring that all contest sites follow curricular code in order to make all contest in synch with the CC. Establishing a committee consisting of State Advisor/staff contest advisor, top 5 coaches and recommendation from current CDE season coaches. This committee would determine if contest host will maintain State Qualifier status for the upcoming year.		
*It is recommended that you, or a representative, attend the pre-conference governing board meeting to answer any questions regarding proposed curricular code changes to contests that are requested to be opened out of rotation.		

Description: (Describe what is changing.)

Only major change is the expectations of contest sites to follow curricular code in order to maintain state qualifer status.

Proposed CATA Code Change: (Only include the section that the proposed change pertains to – do not include the entire contest. Reference numbered section. If editing text show new text with old text in parenthesis. For large changes set track changes in the Word document and attach the file, with edits, to this document when submitting.)

State qualifer compontents of the proposal do not apply to the curricular code for Vet science. However the following code change as it realtes to the math resource sheet does.

As currently written on the curricular code:

E. National FFA Medical Math Resource Sheet will be provided on exam (Source – National FFA)
FFA.org/SiteCollectionDocuments/Math%20Resource.pdf

Proposal code change:

E. (Contest Host are required to provide all contestants with a National FFA Medical Math Resource Sheet during the exam portion of the contest.)
(Source – National FFA) FFA.org/SiteCollectionDocuments/Math%20Resource.pdf

Proposed CATA Code Change: (continued)

Items to be discussed:

State Qualifier Status Contest Host Expectations and creating a committee to determine contest host SQ status.

Establishing a committee comprised of top 5 coaches to referee judge state finals.

Making Math Resources sheets a requirement.

****If unable to use the template, your proposed changes need to be submitted in the same format.***

CATA Curricular Code Change Proposal

Contest:	Veterinary Science	
Proposed By: (Name, School, Email)	Matt Patton California Agricultural Teachers Association mpatton@calagteachers.org	
Issue: (Describe the reason/rationale for the proposed change.)		
Please answer yes or no to ALL the questions below.		
This proposal will require a contest to open out of rotation.	Yes	
The change will affect General Rules.	No	
The change will affect the awards needed.	No	
The proposed change will affect tabulations/scorecards.	Yes that is the reason for opening the contest	
The proposed change will affect contest forms.	No	
The proposed change will affect contest hosting site. (e.g. additional facilities, new sections, additional scoring, etc.)	NO	
If you answered yes to any of the above questions, you need to include the following signatures:		
CATA Approved Contest Advisor's Signature		
CDE Host Site Contest Coordinator's Signature		
If you answered yes to any of the above questions, please explain.		
*It is recommended that you, or a representative, attend the pre-conference governing board meeting to answer any questions regarding proposed curricular code changes to contests that are requested to be opened out of rotation.		

Description: (Describe what is changing.)

As currently constructed the Curricular Code for Veterinary Science does not work well with the Judging Card Tabulations system. There are items in the code that make using the tabulation system challenging and increase the chance of error.

Opening Vet Science allows changes to the contests specifically to align with the Judging Card Tabulations System. This proposal only allows changes to areas of the curricular code that does not allow the use of current Judging Card score cards.

This proposal is not a request or mandate for change, only an opportunity to make changes if that is the desire of the majority of ag teachers.

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See the attached document.

VETERINARY SCIENCE

Revised 6/2021

Purpose and Standards

The Veterinary Science event seeks to effectively prepare the students for the expectations of the animal health care and services (Veterinary Hospitals/Clinics, Grooming Facilities, Pet Stores, Kennels/Boarding Facilities, and Feed Stores) workplace. Workers seeking careers in the animal health care field must develop a high degree of knowledge, skill and ability to solve difficult problems. This event blends the testing of skills and knowledge required for careers in the animal science career pathway. California Career Technical Education Model Curriculum Standards addressed by this event include:

Foundation Standards: Listening and Speaking 1.1, 2.2c, 2.2f, 1.8, Technology 4.2, 4.6, Health and Safety 6.2, 6.5, Ethics and Legal Responsibilities 8.3, Leadership and Teamwork 9.1, 9.2, 9.3.

Animal Science Pathways: D1.3, D1.4, D3.1, D3.2, D4.1, D5.1, D6.1-D6.5, D9.1, D9.4, D10.1, D10.2, D11.1-D11.3.

Contestants

Teams consist of four members, with all four individual scores counting as the team score. All team members are eligible for individual awards.

To be eligible to compete at the state finals contest, a team must compete in a minimum of three of the following field days: CSU Chico, Arbuckle, UC Davis, Modesto JC, Reedley CC, CSU Fresno, Lassen CC, Hemet Field Day, San Diego Section Field Day, Dinuba, Clovis, Norte Vista FFA, Arroyo Grande, Gridley, or Animal Care Clinic/SLO HS Contest. Only the top 24 teams, determined mathematically by a tabulations coordinator, will be eligible to compete at the state finals contest. The formula to calculate the 24 qualifying teams will be:

$$\text{Weighted Score} = (51 - \text{Ranking}) + (\# \text{ of teams} - \text{Rank})/2$$

Weighted score will be based on number of teams that complete in any portion of a contest.

Classes

The contest will include:

	Class	Individual Points	Team Points
A.	Identification Tests		
	1. Equipment and Materials	150	600
	2. Parasites	50	200
	3. Breed identification	100	400
B.	Practicum #1	50	200
	Practicum #2	50	200
	Practicum #3	50	200
C.	General Knowledge Test (50 questions)	100	400
	TOTAL POINTS	550	2,200

Tie Breaker

1. Individual or team ties will be broken with highest General Knowledge test score.
2. If there still is a tie, it will be broken with highest Breed I.D. test score.
3. If there still is a tie, Individual or team ties will be broken with highest practicum score.

Sub-contest Awards

Sub-contest awards will be given for high teams and individuals in the following areas: Identification, Practicums, and Medical Math / Knowledge Test.

Rules

- I. Contestants in this contest will be divided into groups. Only one group will be allowed at one site at one time. Only one member of a team shall be allowed in a group.
- II. All participants must wear either official FFA dress or team scrubs (solid color tops and bottoms) to compete at all qualifying contests. All members must wear official FFA dress at the state finals registration and awards ceremonies (changing into scrubs can happen after uniform check and before the regular start time of the contest).
- III. All equipment and practicum materials needed by the contestants will be available at the judging sites.
- IV. All contestants must fill out the official score sheets and will be graded according to the points shown on the score card.
- V. The contestants will be allowed 45 minutes at each test site to complete that section. Equipment/Materials, Parasites/Breed Identification, General Knowledge Test – three rotations.
- VI. Three Practicums will be allowed 90 minutes for completion.
- VII. Identification Test (Time: Equipment/Materials = 45 minutes, Breed/Parasites = 45 minutes)
PowerPoint slides will be set at 15 seconds per picture, the PowerPoint will be ran through twice and the slides will be numbered.
 - A. Equipment and Materials can be picked at random from the approved National Curricular Code list. ~~Up to~~ Seventy-five items will be chosen for this contest. ~~Two points for each correct answer.~~
 - B. Parasites are to be picked from the National Curricular Code list provided. The specie and location on the animal will be given. ~~Up to~~ twenty-five items will be used in the contest. ~~Two points for each correct answer.~~
 - C. Students will identify ~~up to~~ 50 animals from the approved National Curricular Code list. ~~Each correct answer will be worth two points.~~
- VIII. Practicums (Time: 90 minutes)
Practicums will consist of three from the list of current year practicums: Students will go in order from one practicum to the other until all contestants are finished in each group. The list of practicums will come from the list provided by the California FFA contest for Veterinary Science. There will be a three minute maximum time limit for each of the individual practicums.

2020-2021 Practicum

Administering a Subcutaneous Injection- *Clinical*

Applying a Nylon Dog Muzzle- *Handling*

Placing a Tail Tie- *Handling*

Preparing a Surgical Pack for Sterilization-*Clinical*

Removal of Sutures- *Clinical*

Restraint of a Dog for Jugular Venipuncture- *Handling*

Restraint of the Cat for Cephalic IV Catheter Placement- *Handling*

2021-2022 PracticumAdministering Aural Medication- *Clinical*Bandage Removal- *Clinical*Filling a Syringe for Injection- *Clinical*Haltering Ruminants- *Handling*Restraint of a Rabbit- *Handling*Restraint of a Dog for Cephalic Venipuncture- *Handling*Restraint of the Cat in Lateral Recumbency for Femoral Venipuncture- *Handling*Surgical Site Preparation- *Clinical*2022-2023 PracticumAdministering Ophthalmic Medication- *Clinical*Applying a Gauze Dog Muzzle-*Handling*Prescription Filling- *Clinical*Fecal Flotation with Fecalizers- *Clinical*Haltering a Horse- *Handling*Removing a cat from a cage and placing it in a cat bag- *Handling*Restraint of the cat for Jugular Venipuncture- *Handling*2023-2024 PracticumAdministering an Intramuscular Injection- *Clinical*Administration Oral Tablet/Capsule- *Clinical*Applying a Cat Muzzle- *Handling*Opening a Surgery Pack- *Clinical*Applying Elizabethan Collar- *Handling*Removing a Dog from a Floor Level Cage to Restrain for Lateral Saphenous Venipuncture-
*Handling*Snare Restraint of the Pig- *Handling*

IX. General Knowledge and Medical Math Test (Time: 45 minutes)

- A. The written exam will consist of 50 multiple choice questions. Ten of the 50 questions will be medical math questions. Questions will come from a set of approved texts, of no more than five, that will be selected by a committee made up of the top five coaches at State Finals of the revision year to be decided by the end of CATA Summer Conference.
Veterinary Assisting: Fundamental and Applications. Vanhorn, Clark. ISBN:978-1-4354-5387-6
- B. National FFA Medical Math Resource Sheet will be provided on exam (Source – National FFA) FFA.org/SiteCollectionDocuments/Math%20Resource.pdf
- C. Contest sites will use provided medical math question bank to create representative, but not identical, problems for each approved contest.
*Note: Bank of questions will be provided by September 1, 2018. Last year's top 5 coaches will make the math test bank. This will give contest host sites ample time to create the 10 questions.
- D. Test will be generated in scantron form including multiple choice, true/false and/or matching.
- E. The test will be 50 questions in length with each question being worth 2 points each.

- F. Students are allowed to have basic (non-programming) calculators for the test to the General Knowledge Test section.

Equipment and Materials Identification List

- | | |
|--|--|
| 100. Ambubag | |
| 101. Anesthetic machines | |
| 102. Autoclave | |
| 103. Autoclave tape indicator | |
| 104. Backhaus towel clamps | |
| 105. Balling gun | |
| 106. Bandaging material- Elasticon | |
| 107. Bandaging material– roll gauze | |
| 108. Bandaging material– vet wrap | |
| 109. Bands (castration or docking) | |
| 110. Cat bag | |
| 111. Catch pole (dog snare) | |
| 112. Catheter - butterfly | |
| 113. Catheter - IV | |
| 114. Catheter – Tomcat urinary | |
| 115. Centrifuge | |
| 116. Chemical indicator strips | |
| 117. Cold sterile tray | |
| 118. Dehorner - Barnes | |
| 119. Dehorner - electric | |
| 120. Dental floats | |
| 121. Dental scaler | |
| 122. Drench gun – small ruminant | |
| 123. Ear notcher | |
| 124. Elastrator | |
| 125. Elizabethan collar | |
| 126. Emasculators | |
| 127. Endoscope | |
| 128. Endotracheal tubes | |
| 129. Fecal loop | |
| 130. Fecalyzers | |
| 131. Feeding tube for small animals | |
| 132. Fetal extractor - calf | |
| 133. Forceps - Alligator | |
| 134. Forceps – Allis tissue | |
| 135. Forceps – Babcock tissue | |
| 136. Forceps – Brown-Adson thumb | |
| 137. Forceps – Crile | |
| 138. Forceps - Kelly | |
| 139. Forceps – Halstead mosquito hemostatic | |
| 140. Forceps – Rat tooth thumb | |
| 141. Gravity feeder/J tube | |
| 142. Head gate | |
| 143. Hog snare | |
| 144. Hoof knife | |
| 145. Hoof rasp | |
| 146. IV administration set | |
| 147. Laparoscope | |
| 148. Laryngoscopes | |
| 149. Muzzle - basket | |
| 150. Muzzle - nylon | |
| 151. Needle holder – Mayo-Hegar | |
| 152. Needle holder – Olsen-Hegar | |
| 153. Obstetrical chain and handle | |
| 154. Ophthalmoscope | |
| 155. Otoscope | |
| 156. Pig tooth nippers | |
| 157. Radiology personal protective equipment | |
| 158. Rectal prolapse ring -swine | |
| 159. Rumen magnet | |
| 160. Scalpel blade | |
| 161. Scalpel handle | |
| 162. Scissors – Suture wire cutting | |
| 163. Scissors - Bandage | |
| 164. Scissors – Lister bandage | |
| 165. Scissors – Littauer suture removal | |
| 166. Scissors – Mayo dissecting | |
| 167. Scissors - Metzenbaum dissecting | |
| 168. Silver nitrate sticks | |
| 169. Small animal oxygen cage | |
| 170. Snook ovariohysterectomy hook | |
| 171. Speculum – large animal oral | |
| 172. Speculum – small animal oral | |
| 173. Speculum – vaginal | |
| 174. Squeeze chute | |
| 175. Staple remover | |
| 176. Stethoscope | |
| 177. Surgical drapes | |
| 178. Suture needle – cutting | |
| 179. Suture needle – taper | |
| 180. Syringe – automatic, multidose | |
| 181. Tattooing instruments – small and large | |
| 182. Tonometer | |
| 183. Tourniquet | |
| 184. Trocar and cannula | |
| 185. Twitch chain | |
| 186. Twitch - humane | |

Parasite / Microscopic Identification List

187. Blowfly (Family Calliphoridae)
 188. Calcium oxalate crystals
 189. Cat Warble (Genus Cuterebra)
 190. Cocci (bacteria)
 191. Coccidia (Genus Isospora or Eimeria)
 192. Demodectic Mite (Genus Demodex)
 193. Ear Mite (Family Psoroptidae; Genus Otodectes)
 194. Eosinophils
 195. Epithelial cells (urine)
 196. Flea Larva (Genus Ctenocephalides)
 197. Flea Tapeworm Egg* (Genus Dipylidium)
 198. Flea Tapeworm Segment* (Genus Dipylidium)
 199. Flea Tapeworm* (Genus Dipylidium)
 200. Fleas* (Genus Ctenocephalides)
 201. Giardia* (Genus Giardia)
 202. Heartworm Adult* (Genus Dirofilaria)
 203. Heartworm Microfilaria* (Genus Dirofilaria)
 204. Hookworm Adult* (Family Ancylostomatidae; Genus Ancylostoma, Uncinaria, Bunostomum or Globocephalus)
 205. Hookworm Egg* (Family Ancylostomatidae; Genus Ancylostoma, Uncinaria, Bunostomum or Globocephalus)
 206. Horse Bots* (Genus Gasterophilus)
 207. Horse Strongyles* (Family Strongylidae; Genus Strongylus)
 208. Lice - Biting (Order Mallophaga; Genus Bovicola or Trichodectes)
 209. Lice - Sucking (Order Anoplura; Genus Linognathus or Hematopinus)
 210. Liver Fluke (Class Trematoda; Genus Fasciola, Fascioloides or Dicrocoelium)
 211. Mosquito Adult (Family Culicidae; Genus Anopheles, Culex or Aedes)
 212. Mosquito Larva (Family Culicidae; Genus Anopheles, Culex or Aedes)
 213. Neutrophils
 214. Platelets
 215. Red Blood cell (erythrocyte)
 216. Rod (bacteria)
 217. Roundworm Adult* (Family Ascarididae or Toxocaridae; Genus Toxocara, Toxascaris, Ascaris, Parascaris or Neoascaris)
 218. Roundworm Egg* (Family Ascarididae or Toxocaridae; Genus Toxocara, Toxascaris, Ascaris, Parascaris or Neoascaris)
 219. Sarcoptic Mite (Family Sarcoptidae; Genus Sarcoptes or Notoedres)
 220. Struvite crystals (triple magnesium phosphate)
 221. Taenia Tapeworm Egg* (Family Taeniidae; Genus Taenia)
 222. Taenia Tapeworm Segment* (Family Taeniidae; Genus Taenia)
 223. Taenia Tapeworm* (Family Taeniidae; Genus Taenia)
 224. Tick – American Dog (Family Dermacentor; Genus variabilis)
 225. Tick – Black Legged Deer (Family ixodes; Genus scapularis)
 226. Tick – Brown Dog (Family Rhipicephalus; Genus Sanguineus)
 227. Tick – Lonestar (Family Amblyomma; Genus americanum)
 228. Whipworm Egg* (Genus Trichuris)
 229. Whipworm* (Genus Trichuris)
 230. Yeast (cytology)
- *Asterisk indicates which parasite life cycles could have questions.

Breed/Species Identification List**DOGS****Herding Group**

- 231. Australian Cattle Dog
- 232. Australian Shepherd
- 233. Border Collie
- 234. Collie
- 235. German Shepherd Dog
- 236. Old English Sheepdog
- 237. Pembroke Welsh Corgi
- 238. Shetland Sheepdog

Hound Group

- 239. Afghan Hound
- 240. Basenji
- 241. Basset Hound
- 242. Beagle
- 243. Black and Tan Coonhound
- 244. Bloodhound
- 245. Dachshund
- 246. Greyhound
- 247. Rhodesian Ridgeback

Non-Sporting Group

- 248. Bichon Frise
- 249. Boston Terrier
- 250. Bulldog
- 251. Chinese Shar-Pei
- 252. Chow Chow
- 253. Dalmatian
- 254. Poodle

Sporting Group

- 255. Brittany Spaniel
- 256. Cocker Spaniel
- 257. English Setter
- 258. German Shorthaired Pointer
- 259. Golden Retriever
- 260. Irish Setter
- 261. Labrador Retriever
- 262. Weimaraner

Terrier Group

- 263. Bull Terrier
- 264. Cairn Terrier
- 265. Parson Russell Terrier
- 266. Scottish Terrier
- 267. West Highland White Terrier

Toy Group

- 268. Cavalier King Charles Spaniel
- 269. Chihuahua
- 270. Miniature Pinscher
- 271. Papillon
- 272. Pekingese
- 273. Pomeranian
- 274. Poodle
- 275. Pug
- 276. Shih Tzu
- 277. Yorkshire Terrier

Working Group

- 278. Bernese Mountain Dog
- 279. Boxer
- 280. Doberman Pinscher
- 281. Great Dane
- 282. Great Pyrenees
- 283. Mastiff
- 284. Newfoundland
- 285. Portuguese Water Dog
- 286. Rottweiler
- 287. Saint Bernard
- 288. Siberian Husky
- 289. Standard Schnauzer

CATS

- 290. Abyssinian
- 291. American Shorthair
- 292. Burmese
- 293. Maine Coon
- 294. Manx
- 295. Persian
- 296. Ragdoll
- 297. Russian Blue
- 298. Siamese
- 299. Sphynx

BIRDS

- 300. African Gray Parrot
- 301. Canary
- 302. Cockatiel
- 303. Cockatoos
- 304. Love Birds
- 305. Macaw
- 306. Parakeet
- 307. Sun Conure
- 308. Zebra Finch

REPTILES

- 309. Bearded Dragon
- 310. Chameleon
- 311. Gecko
- 312. Iguana

POULTRY

- 313. Chicken – Cornish
- 314. Chicken – Leghorns
- 315. Chicken – Plymouth Rock
- 316. Chicken – Rhode Island Red
- 317. Duck
- 318. Geese
- 319. Quail
- 320. Turkey

Breed/Species Identification List - continued**SMALL MAMMALS**

- 321. Chinchilla
- 322. Ferret
- 323. Gerbils
- 324. Guinea Pig
- 325. Hamster
- 326. Hedgehog
- 327. Sugar Glider

RABBITS

- 328 Angora
- 329. Californian
- 330. Dutch
- 331. English Spot
- 332. Holland Lop
- 333. Mini-Rex
- 334. Netherland Dwarf
- 335. New Zealand

DAIRY CATTLE

- 336. Ayrshire
- 337. Brown Swiss
- 338. Guernsey
- 339. Holstein
- 340. Jersey

BEEF CATTLE

- 341. Angus
- 342. Brahman
- 343. Charolais
- 344. Hereford
- 345. Shorthorn
- 346. Simmental

HORSE

- 347. Appaloosa
- 348. Arabian
- 349. Belgian
- 350. Clydesdale
- 351. Morgan
- 352. Paint
- 353. Percheron
- 354. Quarter Horse
- 355. Saddlebred
- 356. Tennessee Walking Horse
- 357. Thoroughbred

GOAT

- 358. Alpine
- 359. Nubian
- 360. Angora
- 361. Boer
- 362. LaMancha
- 363. Saanen
- 364. Toggenburg

SHEEP

- 365. Columbia
- 366. Dorper
- 367. Dorset
- 368. Hampshire
- 369. Merino
- 370. Rambouillet
- 371. Southdown
- 372. Suffolk

SWINE

- 373. American Landrace
- 374. Berkshire
- 375. Chester White
- 376. Duroc
- 377. Hampshire
- 378. Yorkshire

Tie Breaker

1. Individual or team ties will be broken with highest General Knowledge test score.
2. If there still is a tie, it will be broken with highest Breed I.D. test score.
3. If there still is a tie, Individual or team ties will be broken with highest practicum score.

Sub-contest Awards

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Rules

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- VIII. Practicums (Time: 90 minutes)
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2020-2021 Practicum

Administering a Subcutaneous Injection- *Clinical*

Applying a Nylon Dog Muzzle- *Handling*

Placing a Tail Tie- *Handling*

Preparing a Surgical Pack for Sterilization-*Clinical*

Removal of Sutures- *Clinical*

Restraint of a Dog for Jugular Venipuncture- *Handling*

Restraint of the Cat for Cephalic IV Catheter Placement- *Handling*