



## SECME National Engineering Design Student Competition Guidelines

### Reporting Checklist

#### Required for Competition

The SECME competition hosts must report all winners to the SECME National Office and upload their competition documents and videos via electronic registration. Registration opens **Monday, March 13, 2023**, and closes **Monday, April 3, 2023\***. Complete the SECME Registration Information. \*Deadline extension for the Texas Region.

Reports not submitted will result in a zero score for that section. Except for videos, **ALL** work must be converted to a PDF document before submission.

| MIDDLE/HIGH SCHOOL DIVISION   |  |   |
|---|--|---|
| MTC   | WBR  | VEX V5  |
| <ul style="list-style-type: none"> <li>• Technical Report (include MTC materials list and handwritten calculations)</li> <li>• PowerPoint Presentation</li> <li>• Technical Drawing – Hand drawn and AutoCAD (optional)</li> <li>• Photos of car</li> <li>• Video of the car in motion</li> <li>• AOE video presentation</li> <li>• Consent Form</li> <li>• Team Photo</li> </ul> | <ul style="list-style-type: none"> <li>• Technical Report (include calculation exercises)</li> <li>• Patch</li> <li>• PowerPoint Presentation</li> <li>• Technical Drawing – Hand drawn and AutoCAD (optional)</li> <li>• Photos of rocket</li> <li>• Video of the rocket in motion</li> <li>• AOE video presentation</li> <li>• Consent Form</li> <li>• Team Photo</li> </ul> | <ul style="list-style-type: none"> <li>• Technical Report</li> <li>• PowerPoint Presentation</li> <li>• Technical Drawing</li> <li>• Photos of robot</li> <li>• Video of the robot in motion</li> <li>• AOE video presentation</li> <li>• Consent Form</li> <li>• Team Photo</li> </ul> |
| ESSAYS/VISION BOARD   |  |   |
| Grades 6-12   |  |   |
| <ul style="list-style-type: none"> <li>• Essay</li> <li>• Vision Board</li> <li>• Vision Board Explanation (1-paragraph)</li> <li>• Video vision board explanation (optional) 4 min. max</li> <li>• Consent Form</li> <li>• Student Photo</li> </ul>  |  |   |
| ADDITIONAL SUBMISSIONS DUE  |  |   |
| <p><u>SECME Student Surveys</u></p> <p><b>All students participating in SECME must be complete the electronic student survey.</b> The Student Survey is required to advance to the SECME National Engineering Design Competition Finals and must be completed no later than <b>Monday, April 10, 2023</b>. Students <b>will be ineligible to advance</b> to the</p>               |  |   |



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SECME National Engineering Design Competition Finals if they have not completed the SECME Student Survey.

### EXPLANATIONS

#### Vision Board Video Explanations

*Video explanations should be a maximum of four (4) minutes.*

#### MTC and WBR

*Technical and Written reports must have the materials list page included in the report. Reports should also include, where applicable, their handwritten calculations (MTC) and 1 set per team of the calculation exercises (WBR).*

#### Photos of vehicle

*MTC photos should be taken from 5 angles: top and bottom view; left, right, and back views.*

*WBR photos should be taken from 4 angles: top and bottom view; left and right-side views.*

*VEX photos should be from 4 angles: top and bottom view; left and right-side views.*

#### Consent Forms

*Consent forms are required for **each** student and **each** student on the team.*

*AOE Video Presentations should be five to seven minutes maximum.*

*A video demonstrating the movement and functionality of the SECME student team's vehicle, and the demonstration video should not be longer than 2-minutes.*