

## 2019 North America West HPVC Results

School Vehicle	School																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
<b>Vehicle Count = 20</b>	<b>No</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>Design Event</b>	<b>5</b>	4.80	4.80	5.00	4.60	4.25	2.75	4.75	5.00	0.00	4.05	4.70	4.80	3.40	0.00	4.70	3.00	0.00	0.00	4.00	5.00
<b>General</b>	<b>15</b>	8.62	9.42	8.00	9.07	6.27	4.27	9.75	7.97	0.00	6.08	6.45	6.72	6.65	0.00	10.23	4.12	0.00	0.00	6.57	9.73
<b>Design</b>	<b>25</b>	13.20	13.70	11.53	10.37	5.48	6.63	7.67	7.52	0.00	2.70	5.20	1.53	3.45	0.00	14.25	4.08	0.00	0.00	4.48	7.78
<b>Analysis</b>	<b>25</b>	10.43	10.95	1.17	1.78	3.63	1.28	2.15	7.82	0.73	2.92	2.25	1.65	0.30	0.00	8.95	0.50	0.00	0.00	1.50	5.57
<b>Testing</b>	<b>20</b>	18.00	17.00	13.90	13.00	13.00	11.25	17.30	16.00	13.35	11.65	14.45	14.90	13.95	0.00	17.50	9.70	0.00	0.00	16.25	15.20
<b>Safety</b>	<b>10</b>	7.00	7.50	7.80	8.30	3.25	7.20	7.15	5.95	4.20	6.10	9.00	6.25	4.50	0.00	8.75	4.00	0.00	0.00	8.90	5.70
<b>Aesthetics</b>	<b>100</b>	62.05	62.73	47.40	44.76	9.87	30.71	43.89	50.25	16.46	29.82	42.05	33.16	26.93	0.00	63.10	18.54	0.00	0.00	40.66	48.98
<b>Design Event - Raw Score</b>	<b>50</b>	31.03	31.37	23.70	22.38	4.93	15.36	21.95	25.13	8.23	14.91	21.03	16.58	13.46	0.00	31.55	9.27	0.00	0.00	20.33	24.49
Report content largely non-original	100%																				
Late Report Submission (per day)	2.5%					62.5%						10.0%		2.5%			20.0%			2.5%	
Late for Static Judging or Safety Check	10%					10%					10%				10%						
Over Page Limit (per page)	3%																				
Report Does Not Conform to Outline	10%						6%	5%			1%		5%	1%							
Performance testing video	0.5%/day		1.0%		5.0%		2.0%	5.0%						5.5%	5.0%	2.0%	7.0%	5.0%	5.0%		
<b>Design - Rank</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>7</b>	<b>17</b>	<b>12</b>	<b>8</b>	<b>4</b>	<b>16</b>	<b>13</b>	<b>9</b>	<b>11</b>	<b>14</b>	<b>18</b>	<b>1</b>	<b>15</b>	<b>18</b>	<b>18</b>	<b>10</b>	<b>5</b>	
<b>Women's Speed Event - Total</b>	<b>12.5</b>	<b>12.50</b>	<b>11.60</b>	<b>6.50</b>	<b>8.20</b>	<b>6.50</b>	<b>6.50</b>	<b>10.80</b>	<b>9.90</b>	<b>6.00</b>	<b>9.10</b>	<b>7.40</b>	<b>9.10</b>	<b>7.40</b>	<b>0.00</b>	<b>7.40</b>	<b>7.40</b>	<b>0.00</b>	<b>0.00</b>	<b>8.20</b>	<b>6.50</b>
Fastest Non Qualifying Time (s)																					
<b>Women's Speed - Rank</b>	<b>1</b>	<b>2</b>	<b>13</b>	<b>7</b>	<b>13</b>	<b>13</b>	<b>3</b>	<b>4</b>	<b>17</b>	<b>5</b>	<b>9</b>	<b>5</b>	<b>9</b>	<b>18</b>	<b>9</b>	<b>9</b>	<b>18</b>	<b>18</b>	<b>7</b>	<b>13</b>	
<b>Men's Speed Event - Total</b>	<b>12.5</b>	<b>12.50</b>	<b>9.90</b>	<b>8.20</b>	<b>9.10</b>	<b>6.50</b>	<b>7.40</b>	<b>11.60</b>	<b>9.10</b>	<b>6.00</b>	<b>6.50</b>	<b>7.40</b>	<b>7.40</b>	<b>6.50</b>	<b>0.00</b>	<b>10.80</b>	<b>8.20</b>	<b>0.00</b>	<b>0.00</b>	<b>7.40</b>	<b>6.50</b>
Fastest Non Qualifying Time (s)																					
<b>Men's Speed - Rank</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>5</b>	<b>13</b>	<b>9</b>	<b>2</b>	<b>5</b>	<b>17</b>	<b>13</b>	<b>9</b>	<b>9</b>	<b>13</b>	<b>18</b>	<b>3</b>	<b>7</b>	<b>18</b>	<b>18</b>	<b>9</b>	<b>13</b>	
<b>Endurance Event - Total</b>	<b>25</b>	<b>25.00</b>	<b>23.56</b>	<b>17.77</b>	<b>12.98</b>	<b>12.42</b>	<b>10.29</b>	<b>15.75</b>	<b>19.68</b>	<b>4.15</b>	<b>14.57</b>	<b>15.74</b>	<b>19.68</b>	<b>0.00</b>	<b>0.00</b>	<b>22.44</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12.27</b>	<b>12.87</b>
Laps Completed		34.00	32.00	26.00	19.00	17.00	14.00	21.00	26.00	13.00	22.00	26.00	27.00	7.00	0.00	31.00	0.00	0.00	0.00	21.00	18.00
Finish time (hr)		2.5944	2.6339	2.6500	2.6886	2.6022	2.5558	2.5856	2.5294	2.5453	2.6625	2.6972	2.6492	1.7481	0.0000	2.5931	0.0000	0.0000	0.0000	2.6881	2.5453
Lap Length (km)	1.5																				
Avg Speed [minus penalties & plus bonus] (km/h)		19.3	18.2	13.7	10.0	9.6	8.0	12.2	15.2	3.2	11.3	12.2	15.2	-0.3	0.0	17.4	0.0	0.0	0.0	9.5	10.0
Avg Speed [minus penalties & plus bonus] (mph)		12.0	11.3	8.5	6.2	6.0	4.9	7.6	9.5	2.0	7.0	7.6	9.5	-0.2	0.0	10.8	0.0	0.0	0.0	5.9	6.2
Illegal Start Assistance (m)	500									1500											
Damage or Loss of Parcel (m)	up to 1500	333		83			167			333			167	167							167
Failure to Stop at Stop Sign, Complete Slalom, Hairpin Turn, Speed Bump, Rumble Strip, Quick Turn, or Steep Hill (m)	500 per failure	500		2,500		500	500		500	3,500	3,000	1,500		500		1,500					
Safety Violation [Laps]	1 or more				1																
Parcel Visit Missing [Laps]	1 or more									2					5					4	
Absence Driver Meeting [Laps]	1																				
Min/Max Driver Lap Violation [Laps]	1									2		3		2							1
<b>Endurance - Rank</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>7</b>	<b>5</b>	<b>15</b>	<b>9</b>	<b>8</b>	<b>4</b>	<b>16</b>	<b>16</b>	<b>3</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>13</b>	<b>11</b>
<b>Overall - Total</b>	<b>100</b>	<b>81.03</b>	<b>76.43</b>	<b>56.17</b>	<b>52.66</b>	<b>30.36</b>	<b>39.54</b>	<b>60.10</b>	<b>63.80</b>	<b>24.38</b>	<b>45.08</b>	<b>51.56</b>	<b>52.76</b>	<b>27.36</b>	<b>0.00</b>	<b>72.18</b>	<b>24.87</b>	<b>0.00</b>	<b>0.00</b>	<b>48.19</b>	<b>50.36</b>
<b>Overall - Rank</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>8</b>	<b>14</b>	<b>13</b>	<b>5</b>	<b>4</b>	<b>17</b>	<b>12</b>	<b>9</b>	<b>7</b>	<b>15</b>	<b>18</b>	<b>3</b>	<b>16</b>	<b>18</b>	<b>18</b>	<b>11</b>	<b>10</b>	

Teams penalized for plagiarism  
 Teams which did not submit lap counting sheet