

| | Class AAA | Total Enrollment |
|----|---|-------------------------|
| 1 | American Leadership Academy High School | 934 |
| 2 | Georgetown High School | 933 |
| 3 | Chapman High School | 929 |
| 4 | Palmetto High School | 929 |
| 5 | Walhalla High School | 888 |
| 6 | Hanahan High School | 874 |
| 7 | Marlboro County High School | 874 |
| 8 | North Charleston High School | 873 |
| 9 | Powdersville High School | 869 |
| 10 | W. J. Keenan High School | 866 |
| 11 | Union County High School | 857 |
| 12 | Belton-Honea Path High School | 851 |
| 13 | Carolina Academy High School | 851 |
| 14 | Orangeburg-Wilkinson High School | 849 |
| 15 | Brashier Middle College Charter High School | 840 |
| 16 | Aynor High School | 828 |
| 17 | Oceanside Collegiate Academy High School | 814 |
| 18 | High Point Academy High School | 808 |
| 19 | Swansea High School | 801 |
| 20 | Loris High School | 777 |
| 21 | Landrum High School | 776 |
| 22 | GREEN Upstate High School | 770 |
| 23 | Waccamaw High School | 770 |
| 24 | Battery Creek High School | 769 |
| 25 | Mountain View Preparatory Charter High School | 768 |
| 26 | Pendleton High School | 764 |
| 27 | Broome High School | 753 |
| 28 | Horse Creek Academy High School | 751 |
| 29 | St. Joseph's Catholic High School | 748 |
| 30 | Crescent High School | 724 |
| 31 | Woodruff High School | 724 |
| 32 | Bridges Preparatory High School | 689 |
| 33 | Silver Bluff High School | 686 |
| 34 | West-Oak High School | 686 |
| 35 | Dillon High School | 683 |
| 36 | Southside Christian High School | 676 |
| 37 | Newberry High School | 673 |
| 38 | Charleston Charter Math & Science High School | 672 |