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|  | Report to the Legislature:  Commonwealth Virtual Schools – Fiscal Year 2019 |
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| This report provides information on the implementation and impact of virtual schools pursuant to G.L. c. 71 §94(p).  October 2020 |
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** ***Massachusetts Department of***

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| Jeffrey C. Riley  *Commissioner* |  |

October 15, 2020

Dear Members of the General Court:

I am pleased to submit this Report to the Legislature: Commonwealth Virtual Schools, pursuant to G.L. c. 71, § 94(p).

A Commonwealth Virtual School (CMVS) is a public school operated by a board of trustees whose teachers primarily teach from a remote location using the Internet or other computer-based methods and whose students are not required to be located at the physical premises of the school. Like a charter school, a virtual school is an autonomous, single-school district that operates independently of any existing school district.

The Board of Elementary and Secondary Education (Board) grants a certificate to the board of trustees of a virtual school for not less than 3 years and not more than 5 years, as determined by the Board. The school and its board then become a state entity, directly accountable to the Board and the Department of Elementary and Secondary Education (Department). A virtual school may not discriminate in the enrollment of students based on race, color, national origin, creed, sex, gender identity, ethnicity, sexual orientation, mental or physical disability, age, ancestry, athletic performance, special need, English language proficiency, or academic achievement.

The Board has granted two virtual school certificates, one to the Greenfield Commonwealth Virtual School (GCVS) and one to the TEC Connections Academy Commonwealth Virtual School (TECCA). Both schools enroll students statewide. These schools enrolled a total of 2,806 students as of October 1, 2018 (FY 2019 is the period addressed in this report).

If you have any questions about this report, please contact Director Alison Bagg at 781-338-3218.

Sincerely,

Jeffrey C. Riley

Commissioner of Elementary and Secondary Education

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# Introduction

The Department of Elementary and Secondary Education respectfully submits this Report to the Legislature: Commonwealth Virtual Schools pursuant to G.L. c. 71 § 94(p):

*“On or before September 1, the commissioner shall prepare a report on the implementation and impact of this section, including, but not limited to:(1) the fiscal impact on sending districts; (2) any necessary adjustments to tuition rates, including whether the amount should vary based on grade or type of school and the appropriate mechanism for funding virtual schools; (3) information on course completion and student attendance and participation rates; (4) the academic achievement of students attending commonwealth virtual schools; (5) the level of supervision or support needed for students in elementary and middle school; (6) the support necessary or helpful to ensure that students successfully complete online courses; (7) the professional development virtual school teachers require; (8) the appropriate enrollment limit for a virtual school, if any, including information about wait lists; and (9) the need for any changes to the commonwealth virtual school program.”*

A Commonwealth Virtual School (CMVS) is a public school operated by a board of trustees where Massachusetts-licensed teachers primarily teach from a remote location using the Internet or other computer-based methods, and where students are not required to be located at the physical premises of the school. The statute permits up to ten virtual schools to operate in the Commonwealth at any time: three virtual schools were allowed to operate during the 2013-2016 school years; three additional certificates were available from 2016-2019; and four additional certificates were available starting in 2020.

As of this writing, the Board of Elementary and Secondary Education (Board) has granted two virtual school certificates, one to the Greenfield Commonwealth Virtual School (GCVS) and one to the TEC Connections Academy Commonwealth Virtual School (TECCA). [[1]](#footnote-1) Both schools enroll students statewide. As of October 1, 2018, these schools enrolled a total of 2,806 students (FY19, the period addressed in this report).

# Greenfield Commonwealth Virtual School

The Greenfield Commonwealth Virtual School (GCVS), formerly known as Massachusetts Virtual Academy of Greenfield (MAVA), opened in 2010 under the innovation school law (G.L. c. 71, § 92) as a Greenfield Public School. On June 25, 2013, the Board granted a three-year certificate to operate the re-named Massachusetts Virtual Academy at Greenfield Commonwealth Virtual School to a Board of Trustees (GCVS Board) formed to assume governance of MAVA from the Greenfield Public Schools. Educational courses and teaching services, including management software, learning materials, and technical support services were provided by K12, Inc. (K12) – a virtual school provider based in Herndon, Virginia.

On June 5, 2014, the Department conducted an accountability review of GCVS in accordance with CMR 52.08. The report documented concerns about the school’s faithfulness to its certificate, the quality of the academic program, the quality and amount of supports for diverse learners, and the school's lack of compliance with regulatory requirements and the Department’s guidance. Due to these concerns, on October 20, 2014, pursuant to the virtual school regulations with 603 CMR 52.12(2) and on the recommendation of the Commissioner, the Board placed GCVS on probation for the remainder of its certificate term, which expired on June 30, 2016.

The Department conducted a second review of GCVS on March 2, 2015. The report indicated that GCVS made progress toward meeting the terms of its probation and noted that the GCVS Board and school leadership took affirmative steps to improve instruction and professional learning. However, the review identified a dependency on teacher-developed materials to ensure curriculum alignment, the lack of a formal curriculum for English learner (EL) students, the lack of a formal inclusion model for students with disabilities, variation in the execution of the school’s expectations for teaching higher order thinking skills, and uneven instruction. In a June 29, 2015 response to the review, GCVS described the additional steps it planned to take to address these concerns, including researching EL curricula for the fall of 2015 and how, in the estimation of school leadership, online interventions presented a clear picture of the performance of students who were experiencing academic difficulties.

Pursuant to CMR 52.11, and in accordance with the Department’s guidelines, on June 28, 2015, GCVS applied to renew its certificate. The Department conducted a renewal inspection in November 2015; the report from this inspection was issued to the school on December 14, 2015. As previously noted, at its February 23, 2016 meeting, in accordance with G.L. c. 71, §94, and 603 CMR 52.00, the Board renewed the certificate of GCVS for an additional three-year period from July 1, 2016 through June 30, 2019 with a maximum enrollment of 750 students. Further, pursuant to 603 CMR 52.12(2), the Board extended the school’s probationary status and directed it to meet specified terms of probation, as recommended by former Commissioner Mitchell Chester in his memorandum to the Board dated February 12, 2016.

Since it opened, the school’s educational courses and teaching services, including management software, learning materials, and technical support services, were provided by K12. At its May 22, 2017 meeting, the GCVS Board of Trustees voted to formally terminate the school’s contract with K12, effective June 30, 2017. The reasons given for the change were concerns about the affordability of K12’s products and services, and the opportunity for GCVS to provide more flexible learning options for students through new software and curriculum. In addition, the cost savings would enable the school to hire additional teachers.

GCVS submitted a formal request to amend its certificate on June 8, 2017. After careful review by Department staff, the Commissioner approved these amendments on October 19, 2017. The request included the following key changes to the school’s education program and operations:

* A new learning management system (Canvas by Instructure, Inc.) that enabled teachers, parents/guardians, and students to access the curriculum from any computer, tablet, or mobile device.
* EngageNY as the core curriculum for grades K-5 English Language Arts (ELA) and mathematics. The school’s social studies and science curriculum will be curated from EngageNY, National Geographic, PBS, and other sources.
* Florida Virtual School Global (FLVS) as the core curriculum for all subjects in grades 6-12.
* The hiring of approximately 10 additional staff members, including classroom teachers, special educators, and visual arts, music, health/wellness, and world language teachers.
* Technical support for students, parents/guardians, and staff will be provided by an in-house technology support team.

In March 2018, the Board extended the school’s probationary status, maintained the prior probationary conditions, and added a new condition related to the provision of services for English learners. The Acting Commissioner recommended this action in his [memorandum to the Board dated March 16, 2018,](http://www.doe.mass.edu/bese/docs/fy2018/2018-03/item7.html) based on evidence collected during accountability reviews in February and December 2017.

Pursuant to CMR 52.11, and in accordance with the Department’s guidelines, on June 27, 2018, GCVS applied to renew its certificate. The Department conducted a renewal inspection in October 2018; the report from this inspection was issued to the school in December 2018.The Department evaluated the performance of GCVS against the Commonwealth Virtual School Performance Criteria[[2]](#footnote-2) using quantitative and qualitative evidence reported by the school and collected by the Department throughout the school’s second certificate term, 2016-2017 through 2018-2019. The evaluation was presented to the Commissioner and Board in the February 2019 Summary of Review.

Pursuant to the regulations for Commonwealth of Massachusetts Virtual Schools at 603 CMR 52.12(2), the Board renewed the certificate for GCVS for an additional three-year period from July 1, 2019, through June 30, 2022, with a maximum enrollment of 750 students in grades K through 12. Further, pursuant to 603 CMR 52.12, the Board removed probation from the school’s certificate, but imposed conditions that the school is required to meet, as recommended by the Commissioner of Elementary and Secondary Education, Jeffrey C. Riley, in his memorandum to the Board dated March 15, 2019.

GCVS submitted a formal request to amend its certificate on July 23, 2019. After careful review by Department staff, the Commissioner approved these amendments on September 8, 2019. The request included the following key changes to the school’s education program by adding an in-person support center for students, adopting two new curricula (Accelerate Education for K-5; Edgenuity for 9-12), and offering students dual enrollment at Greenfield Community College (GCC).

# TEC Connections Academy Commonwealth Virtual School

The Education Cooperative (TEC) as “founder entity” submitted an application for a virtual certificate to the Department in the spring of 2013; on February 25, 2014, the Board approved a 3-year operating certificate for TEC Connections Academy Commonwealth Virtual School (TECCA) under the state's virtual school legislation ([Chapter 379 of the Acts of 2012](https://malegislature.gov/Laws/SessionLaws/Acts/2012/Chapter379)). TECCA opened in 2014 as a virtual public school serving students in grades K-12.

The school has made various amendments since its founding. On June 25, 2014, two new board members were approved. On August 27, 2014, one new board member was approved. In November 2015, the school amended its financial and operational arrangement between TECCA and Connections Education. On April 18, 2016, the school amended its bylaws. On September 28, 2016, the school amended its contract with Connections Education in regard to human resources management.

The Department conducted an accountability review of TECCA on February 24, 2016 and a renewal inspection review on November 3, 2016. While both reports found that TECCA delivered an instructional program consistent with its certificate, the renewal inspection noted that TECCA had been classified into Level 3 of the state's accountability and assistance system for very low Massachusetts Comprehensive Assessment System (MCAS) participation (less than 90 percent) in the aggregate and for multiple subgroups. The review also found that TECCA lacked an English language education curriculum to support its growing EL population.

On February 17, 2017, the Board voted to renew the certificate for TECCA for an additional five years and place conditions on the school’s certificate to address the concerns related to student participation in MCAS tests and supports for ELs. In recommending that the Board renew the certificate for TECCA for an additional five years, rather than the minimum of three years, then Commissioner Chester gave the school the opportunity to build on its early gains and demonstrate a solid track record of performance. TECCA’s current certificate expires on June 30, 2022.

During the 2017-2018 school year, the district leadership was comprised of the superintendent (formerly known as the lead school administrator, in his fourth year in the role); K12 principal; director of pupil services; director and assistant directors of special education; ELL coordinator; and chief administrative officer. The school leadership was comprised of the principal; four core subject department heads; dean of students; assistant principal (grades K-5); K12 curriculum director; and K12 Response-to-Intervention (RT) Director.

TECCA submitted a formal request to amend its certificate on April 5, 2018, as well as additional evidence and materials submitted by the school on July 30, 2018. After careful review by Department staff, the Commissioner, approved the following: an increase in the school’s maximum enrollment of 300 seats (from 2,000 to 2,300); a change to the school’s education program by adding "accelerated" and "extended " program options for students

On November 27, 2018, the Department conducted an accountability review of TECCA in accordance with CMR 52.08. The report was issued in January 2019 and documented concerns about the school’s faithfulness to its certificate, the quality of the academic program, and specifically, the quality and amount of supports for diverse learners. The school will submit an application to renew its certificate by June 30, 2020.

# Fiscal Impact on Sending Districts

The virtual school statute, at G.L. c. 71, § 94(k), funds a CMVS based upon the funding for school choice under G.L. c. 76, § 12B: the school district of residence of each student enrolled in the CMVS is charged a set tuition, and the Department transfers the funds from the district to the CMVS. Tuition is based on full year enrollment and is prorated if a student is enrolled in the CMVS for only a portion of the school year.

The default tuition rate for a student enrolled in a CVMS is the school choice tuition rate of $5,000.[[3]](#footnote-3) The Board, in consultation with the Operational Services Division (OSD), may approve a rate higher than $5,000 in CMVS certificates provided the rate does not exceed the state average per pupil foundation budget for students of the same classification and grade level. G.L. c. 71, § 94(k); 603 CMR 52.07(1). At its December 7, 2017 meeting, the Board voted to amend the certificates of GCVS and TECCA to specify a tuition rate[[4]](#footnote-4) of $8,265 per pupil, effective for FY19, with $75 per pupil retained by the Department for program administration. Additionally, the Board voted to delegate to the Commissioner authority to adjust this rate annually for inflation for the remainder of the schools' current certificates and amend their certificates accordingly. The Board-approved CMVS tuition rate does not change over the course of a fiscal year.

In FY2019, the state average per pupil foundation budget was $11,448 As stated above, in FF2019 GCVS and TECCA received a per pupil tuition amount of $8,265, less $75 per pupil retained by the Department for program administration, as permitted by statute ($8,190).

In FY2019, the virtual schools received $24,092,092 in tuition payments from 249 districts of residence. While enrollment varies from district to district, the following six districts accounted for approximately 23 percent of virtual school tuition and enrollment: Springfield (6 percent), Boston (6 percent), Worcester (4 percent), New Bedford (3 percent), Fall River (2 percent), and Lowell (2 percent). A summary of FY19 tuition payments is provided in Appendix B.

# Course Completion and Student Attendance and Participation Rates

GCVS and TECCA provide 425 instructional hours in kindergarten, 900 hours in grades 1-8, and 990 hours in grades 9-12 in accordance with state regulations.

Both schools offer flexibility in terms of the time of day when students participate. Teachers and “learning coaches” (students’ parents/guardians) take daily attendance and monitor the hours of schoolwork completed. In FY2019, GCVS reported an attendance rate of 90.1 percent and TECCA reported an attendance rate of 89.3 percent.

While each school’s calendar provides for holidays and vacations during which teachers are not available, students may continue to do schoolwork and access the online learning management system at any time during the school year. Attendance is based on courses completion and not “seat time” – while each school expects all students to complete their coursework by the end of a typical semester or school year, students may proceed through the curriculum at their own pace.

Course completion data for GCVS and TECCA are provided in Tables 1 and 2. Because many students arrive in school after the beginning of the school year or transferred out of the school prior to the end of the school year, course completion data are only reported for students enrolled in the schools for a full academic year, as defined in Table 1 on next page.

**Table 1: FY19 Course Completion Data, GCVS**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Table 1: FY19 Course Completion Data, GCVS*** | | | | | | | | | |
| **Grade** | | **A.** | **B.** | | **C.** | **D.** | **E.** | **F.** | **G.** |
| **Enrollment** | **Courses Attempted** | | **Courses Incomplete** | **Courses Completed** | **Courses Completed (%)** | **Courses Passed** | **Courses Passed (%)** |
| **K** | | 11 | 44 | | 16 | 28 | 64% | 28 | 100% |
| **1** | | 24 | 96 | | 0 | 96 | 100% | 96 | 100% |
| **2** | | 26 | 104 | | 0 | 104 | 100% | 104 | 100% |
| **3** | | 28 | 112 | | 0 | 112 | 100% | 112 | 100% |
| **4** | | 33 | 132 | | 0 | 132 | 100% | 132 | 100% |
| **5** | | 50 | 200 | | 0 | 200 | 100% | 200 | 100% |
| **6** | | 44 | 168 | | 8 | 160 | 95% | 160 | 100% |
| **7** | | 50 | 192 | | 8 | 184 | 96% | 184 | 100% |
| **8** | | 73 | 284 | | 8 | 276 | 97% | 276 | 100% |
| **9** | | 88 | 352 | | 58 | 294 | 84% | 294 | 100% |
| **10** | | 73 | 292 | | 54 | 238 | 82% | 238 | 100% |
| **11** | | 51 | 204 | | 22 | 182 | 89% | 182 | 100% |
| **12** | | 45 | 180 | | 8 | 172 | 96% | 172 | 100% |
| **Totals** | | **596** | **2360** | | **182** | **2178** | **92%** | **2178** | **100%** |
| **Legend** | | | | | | | | | |
| **A** | *Enrollment* | | | Students enrolled in the CMVS as of October 1 of the prior school year, excluding transfers out and transfers in after October 1. | | | | | |
| **B** | *Courses Attempted* | | | Courses in which the students in Column A were enrolled during the school year (full-year and semester-based courses). | | | | | |
| **C** | *Courses Incomplete* | | | Courses from which students withdrew, regardless of the grade they earned in the course at the time of course wit­­­­­hdrawal. | | | | | |
| **D** | *Courses Completed* | | | Courses completed by students, regardless of the grade they earned in the course. | | | | | |
| **E** | *Courses Completed (%)* | | | Column D (Courses Completed) ÷ Column B (Courses Attempted) | | | | | |
| **F** | *Courses Passed* | | | Courses completed by students in which they earned a passing grade. | | | | | |
| **G** | *Courses Passed (%)* | | | Column F (Courses passed) ÷ Column D (Courses Completed) | | | | | |

**Table 2: FY19 Course Completion Data, TECCA**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Table 2: FY19 Course Completion Data, TECCA*** | | | | | | | | |
| **Grade** | | **A.** | **B.** | **C.** | **D.** | **E.** | **F.** | **G.** |
| **Enrollment** | **Courses Attempted** | **Courses Incomplete** | **Courses Completed** | **Courses Completed (%)** | **Courses Passed** | **Courses Passed (%)** |
| **K** | | 45 | 453 | 7 | 446 | 98% | 430 | 96% |
| **1** | | 45 | 453 | 10 | 443 | 98% | 441 | 100% |
| **2** | | 47 | 490 | 22 | 468 | 96% | 465 | 99% |
| **3** | | 49 | 491 | 19 | 472 | 96% | 458 | 97% |
| **4** | | 54 | 553 | 28 | 525 | 95% | 485 | 92% |
| **5** | | 73 | 737 | 15 | 722 | 98% | 676 | 94% |
| **6** | | 93 | 1019 | 45 | 974 | 96% | 883 | 91% |
| **7** | | 136 | 1489 | 96 | 1393 | 94% | 1245 | 89% |
| **8** | | 198 | 2184 | 147 | 2037 | 93% | 1897 | 93% |
| **9** | | 273 | 3356 | 375 | 2981 | 89% | 2533 | 85% |
| **10** | | 248 | 3044 | 258 | 2786 | 92% | 2521 | 90% |
| **11** | | 191 | 2293 | 131 | 2162 | 94% | 1964 | 91% |
| **12** | | 218 | 2488 | 105 | 2383 | 96% | 2287 | 96% |
| **Totals** | | **1670** | **19050** | **1258** | **17792** | **93%** | **16285** | **92%** |
| **Legend** | | | | | | | | |
| **A** | Enrollment | | Students enrolled in the CMVS as of October 1 of the prior school year, excluding transfers out and transfers in after October 1. | | | | | |
| **B** | Courses Attempted | | Courses in which the students in Column A were enrolled during the school year (full-year and semester-based courses). | | | | | |
| **C** | Courses Incomplete | | Courses from which students withdrew, regardless of the grade they earned in the course at the time of course wit­­­­­hdrawal. | | | | | |
| **D** | Courses Completed | | Courses completed by students, regardless of the grade they earned in the course. | | | | | |
| **E** | Courses Completed (%) | | Column D (Courses Completed) ÷ Column B (Courses Attempted) | | | | | |
| **F** | Courses Passed | | Courses completed by students in which they earned a passing grade. | | | | | |
| **G** | Courses Passed (%) | | Column F (Courses passed) ÷ Column D (Courses Completed) | | | | | |

# Enrollment Trends, Limits and Waitlists

The statute caps the total number of full-time students attending virtual schools at two percent of the total number of students attending all public schools in the Commonwealth. In FY2019, 941,411 students attended public schools in the Commonwealth, of which .30 percent, or 2,806 students, were enrolled in a CMVS.

|  |  |  |  |
| --- | --- | --- | --- |
| **School Year** | **Statewide Enrollment** | **CMVS Enrollment[[5]](#footnote-5)** | |
| **#** | **%** |
| 2013-14 | 955,739 | 454 | 0.05 |
| 2014-15 | 955,844 | 1,087 | 0.11 |
| 2015-16 | 953,429 | 1,429 | 0.15 |
| 2016-17 | 953,748 | 1,786 | 0.19 |
| 2017-18 | 954,034 | 2,123 | 0.22 |
| 2018-19 | 941,411 | 2,806 | 0.30 |

As shown in the graph below, GCVS and TECCA enroll higher percentages of economically disadvantaged students, high need students, and students with disabilities, and lower percentages of ELs and non-native English speakers.[[6]](#footnote-6)

According to the enrollment policies of both schools, eligibility for enrollment in a specific grade requires a student to have successfully completed the preceding grade. Each school reviews academic documentation to ensure accurate grade level assignments and course placements.

Neither GCVS nor TECCA reported a waitlist as of November 2018.

# Academic Achievement

GCVS and TECCA administered “next generation” MCAS tests in spring 2019 in grades 3-8 and 10 in ELA and mathematics, and in grades 5 and 8 in Science and Technology/Engineering (STE). The schools administered legacy MCAS tests in STE test in grade 10. A summary of student performance data for both schools is provided in Appendix C.

# Supervision and Support for Students in Elementary and Middle School

Much of the responsibility for student learning is placed on the “learning coach,” typically the student’s parent/guardian, particularly in the early grades. Learning coaches facilitate their student’s progress through daily lessons and help manage the student’s schedule and pacing through the online program. Both schools have systems in place for closely monitoring student progress on a course-by-course basis.

At GCVS and TECCA, guidance counselors and family engagement coordinators help learning coaches and students adjust to the virtual environment, support students’ nonacademic needs, and create a sense of community through face-to-face and virtual activities.

# Support for Online Course Completion

As indicated above, both GCVS and TECCA, a “learning coach,” typically the student’s parent/guardian, facilitates student progress through daily lessons, with flexibility in terms of pace and scheduling. The schools expect learning coaches to spend three to five hours daily supporting students and students to spend five to six hours daily on schoolwork and homework. Teachers are expected to manage all facets of the student’s instructional experience and engage in regular communication with learning coaches and students via e-mail, telephone, and online meetings. Further, both schools arrange face-to-face activities, such as field trips, throughout the school year.

At GCVS, all live sessions take place in a synchronous virtual classroom. All class sessions are recorded so that students can access them at any time. Teachers also schedule small group and individual intervention sessions as needed throughout the week. These sessions may also be recorded. Throughout the class, teachers constantly monitor a chat area, virtual whiteboard area where both students and teachers can post items, and verbal interaction via microphones or headsets. Break-out rooms can be created for individual or small groups of students during the live session to allow for differentiated instruction/assignments as needed.

GCVS employs two full-time Title I teachers, one for reading and one for mathematics. These teachers provided supports to students who are performing below grade level. Students whose discrepancies are significant enough to warrant services through an Individualized Education Program (IEP) plan are supported by Special Education Teachers, who are GCVS employees. Two ELL teachers, employed by GCVS, provided supports to students whose first language is not English. All general and special education teachers are either Sheltered English Immersion endorsed or in the process of obtaining it, which enables them to support ELL students in the general education classroom. Students whose disabilities fall under Section 504 are accommodated in the regular classroom by their teachers who modify curriculum and assignments, as necessary. Students are identified for interventions and/or services through a schoolwide Student Intervention Team (SIT), that meets bi-weekly to determine what interventions have taken place, help identify further interventions, assess the impact of those interventions, and, if need be, suggest that students be evaluated for more intensive services and support.

In addition to the learning coaches, TECCA also created a role called the Student Success Coach. Student Success Coaches are TECCA employees that work directly with a homeroom student. These coaches complete an academic check in over the phone or in LiveLesson classrooms with students in their homerooms once every other week. These check in calls/meetings are meant to ensure students are engaging with their coursework and meeting their own individual academic potential and goals.

At TECCA, all courses have both synchronous and asynchronous components. For the asynchronous component TECCA uses a software program called Adobe Connect, LiveLesson. All lessons are recorded so students can review the content of the course multiple times if needed. During LiveLesson classes, teachers monitor a chat pod, Q & A pod, utilize poll pods, as well as other educational tools, and have the ability to differentiate instruction, and can use break-out rooms during LiveLesson for individual or small group instruction and/or project work. Students can access their teachers in multiple ways (phone call, webmail, or a meeting scheduling app).

In addition to the general education teachers, TECCA also provides guidance counselors, social workers, special education teachers, virtual counselors, interventionists, and educational aids, who also add an additional layer of supports and services.

# Professional Development

GCVS’ school calendar includes regular meetings of faculty by face-to-face and live virtual connections. Full faculty meetings and/or team meetings by grade cluster happen weekly where data are shared as well as instructional strategies in the online platform. Professional development work for evaluators and teachers has included monitoring for staff consistency. Evaluators observe synchronous live class sessions and provide feedback via the educator evaluation system. Professional development work for evaluators and teachers has included sessions on high-impact instructional strategies and calibration of observations.

Additionally, GCVS sent team leaders and the Director of Curriculum to the International Association for K-12 Online Learning (iNACOL) National Conference in October of 2018. GCVS has a relationship with the Vermont Virtual Learning Cooperative, which uses Canvas as its Learning Management System (LMS) and Florida Virtual School curricula. In the spring of 2019, GCVS’ entire faculty attended the Vermont Virtual Conference.

At TECCA, teachers receive professional development one day per week. The content is coordinated by school leadership and implemented by various staff with particular expertise (school based, as well as Connections Education School Support). In 2019, topics included implementation of students’ Section 504 plans and IEPs, online lesson training, development of specific Connexus-related skills and tasks; the time to analyze student data; to collaborate with like-content and grade-specific teachers; to view schoolwide achievement data (including student and teacher); and to meet in school-specific teams. TECCA has also implemented a series of professional develop opportunities targeting first and second year teachers.

TECCA uses the National Standards for Quality Online Teaching published by the iNACOL and Connections’ Core Standards for Facilitating Student Learning, as guides for pinpointing necessary teacher skills and professional development requirements. TECCA provides staff with teacher training and professional development on: Curriculum knowledge and alignment with state standards; best practices for virtual learning; navigation of the learning platform; personalized student learning plans; understanding of formative and summative assessments; creating a strong school culture; special education referral processes; and supporting child welfare.

# Recommended Changes to the Commonwealth Virtual School Program

Given the mixed performance of virtual schools in Massachusetts as well as nationally, the Department has encouraged GCVS and TECCA to refine their programs to increase the effectiveness of their virtual educational programs.

# Appendix A: CMVS (G.L. c. 71 §94)

Section 94. (a) As used in this section the following words shall, unless the context clearly requires otherwise, have the following meanings:—

“Board,” the board of elementary and secondary education.

“Commissioner”, the commissioner of elementary and secondary education.

“Commonwealth virtual school”, a public school operated by a board of trustees whose teachers primarily teach from a remote location using the internet or other computer-based methods and whose students are not required to be located at the physical premises of the school.

“Certificate”, a certificate of organization issued by the board to a commonwealth virtual school’s board of trustees which governs the operations of the commonwealth virtual school.

“Department”, the department of elementary and secondary education.

“District” or “school district”, the school department of a city, town, regional school district or county agricultural school.

“Education collaborative,” an association of 2 or more school committees or boards of trustees of charter schools established pursuant to section 4E of chapter 40.

(b) On or before October 1, the board shall issue a request for proposals to establish 1 or more commonwealth virtual schools; provided, however, that the board shall not be required to issue a request for proposals for any school year for which a certificate is not available to be awarded. The request for proposals shall be published on the department’s website. Persons or entities eligible to submit a proposal to establish a commonwealth virtual school shall include, but not be limited to: (i) a school district; (ii) 2 or more school districts; (iii) an education collaborative; (iv) an institution of higher education; (v) a non-profit entity; (vi) 2 or more certified teachers; or (vii) parents. Private and parochial schools and for-profit entities shall not be eligible to submit a proposal. A proposal shall be selected from the responses to the request for proposals and an applicant awarded a certificate under the procedures adopted by the board. The request for proposals shall include, but not be limited to, the following terms and conditions that shall be addressed in each response to the request for proposals and, upon selection by the board, shall be incorporated into the certificate to operate a commonwealth virtual school:

(1) the mission, purpose and specialized focus, if any, of the proposed commonwealth virtual school;

(2) the educational program, instructional methodology and services to be offered to students;

(3) the organization of the school by ages of students or grades to be taught and an estimate of the total enrollment of the commonwealth virtual school;

(4) the method for and timetable of admission to the commonwealth virtual school;

(5) the commonwealth virtual school governance and by-laws;

(6) the proposed school year;

(7) how the commonwealth virtual school shall administer state required assessment tests;

(8) a statement of equal educational opportunity which shall state that the commonwealth virtual school shall be open to all students, on a space available basis, and shall not discriminate on the basis of race, color, national origin, religion, sex, gender identity or sexual orientation;

(9) a description of any preferences the school shall give for enrollment and how the school shall conduct a lottery for admission if applications exceed enrollment capacity;

(10) the identity of any third party software or curriculum vendors that the school intends to use;

(11) a proposed arrangement or contract with an organization that shall manage or operate the school, including any proposed or agreed upon payments to such organization;

(12) a demonstration of the applicant’s capacity to support and store all critical student, program and staff data for expedient retrieval and analysis in compliance with federal and state laws;

(13) provisions for cyber safety;

(14) how the school shall notify each school district in writing of the number and grade levels of students who shall be attending the commonwealth virtual school from that district within 10 days of the student registering for enrollment in the commonwealth virtual school;

(15) whether the commonwealth virtual school will offer online courses to students attending other schools;

(16) the financial plan for the operation of the school;

(17) the number and qualifications of teachers and administrators to be employed;

(18) the procedures for evaluation and professional development for teachers and administrators, including what training, if any, shall be provided to teachers who have not previously taught online;

(19) the school’s capacity to address the particular needs of English language learners to learn English and learn content matter;

(20) the school’s plan to conduct outreach to prospective students;

(21) what supports shall be provided to students to help them complete courses, including the school’s strategies for ensuring that an enrolled student shall complete the program and goals regarding course completion and student achievement;

(22) how the school will monitor student progress in order to identify areas of difficulty and assist students who need additional attention;

(23) where relevant, what supports will be provided to help students prepare for college and careers;

(24) the school’s capacity to support students’ social and emotional growth;

(25) how the school shall create a community for students who are enrolled in the commonwealth virtual school;

(26) how the commonwealth virtual school applicant shall include activities to engage students;

(27) what, if any, in person activities, learning or interaction will be provided or offered, including extra-curricular activities;

(28) expectations for age appropriate supervision of students under the age of 14, if applicable;

(29) a description of where students will access the school’s courses, including whether it is in the home or in a location provided and overseen by the commonwealth virtual school applicant;

(30) methods to assure that all students shall have access to necessary technology and materials;

(31) what technical support shall be available to students, including whether the commonwealth virtual school applicant shall offer an orientation for taking an online course before starting the coursework;

(32) how the school shall define and monitor student attendance, including how it shall verify that each student is participating in classes, how truancy shall be addressed and goals regarding student attendance;

(33) expectations and goals for communication between teachers and students and how such interaction shall be documented;

(34) how the school shall involve parents and guardians as partners in the education of the children and goals for parental and family engagement;

(35) the school’s capacity to implement the proposal and provide high quality instructional services;

(36) the school’s capacity to instruct students in the following categories, if the school intends to serve any such students: (i) students with physical or other challenges that make it difficult for them to physically attend a school; (ii) students with medical needs requiring a home or hospital setting; (iii) students with unusual needs requiring a flexible schedule; (iv) students who are over-age for their grade; (v) students who have been expelled; (vi) students who have dropped out or are at risk of dropping out; (vii) students who are pregnant or have a child; (viii) students with social and emotional challenges that make it difficult for them to physically attend a school; (ix) students who feel bullied or cannot attend school because their safety is at risk; (x) gifted and talented students; (xi) students who seek academic work not available in their school; (xii) students in rural communities; and (xiii) students in institutionalized settings;

(37) whether the school proposes a mechanism to provide meals to students eligible for free and reduced price lunch;

(38) the student to teacher ratio; and

(39) whether the school will establish a personalized learning plan for each student, in conjunction with the student’s school district of residence.

(c) The board shall make the final determination on selecting proposals; provided, however, that the board shall only grant a certificate to a qualified applicant as determined by the board; provided further, that the board shall hold a public hearing on the proposals which shall be attended by at least 1 member of the board. Not more than 10 commonwealth virtual schools shall be allowed to operate in the commonwealth at any time; provided, however, that a commonwealth virtual school operated by a single school district, under an agreement entered into by more than 1 school district or by an education collaborative shall not be counted towards this limit if the commonwealth virtual school only enrolls students who reside in the school district, in the school districts that signed the agreement or in the school districts that are members of an education collaborative. The board may authorize a single board of trustees to manage more than 1 commonwealth virtual school; provided, however, that each school is issued its own certificate. Under no circumstances shall the total number of full-time students attending commonwealth virtual schools exceed 2 per cent of the total number of students attending public schools in the commonwealth. In the case of a commonwealth virtual school that is established by a school district, not less than 5 per cent of the students enrolled in the commonwealth virtual school shall be from the school district that established the school. In the case of a commonwealth virtual school that is established by more than 1 school district or by an education collaborative, not less than 5 per cent of the students enrolled in the school shall be from the combined enrollment of the districts that established the school or the districts that are members of the education collaborative.

The board shall give preference to proposals that include an educational program or specialized focus that appropriately addresses 1 or more of the following: students with physical or other challenges that make it difficult for them to physically attend a school; students with medical needs requiring a home or hospital setting; students with unusual needs requiring a flexible schedule; students who are over-age for their grade; students who have been expelled; students who have dropped out; students at risk of dropping out; students who are pregnant or have a child; students with social and emotional challenges that make it difficult for them to physically attend a school; students who feel bullied or cannot attend school because the students’ safety is at risk; gifted and talented students; students who seek academic work not available in their school; students in rural communities; and students in institutionalized settings. The board shall also consider whether proposed schools will create or enhance the opportunity for students to attend virtual schools in all grades from kindergarten through grade 12.

(d) A commonwealth virtual school shall operate under a certificate issued by the board and be governed by a board of trustees. If a district or education collaborative operates the commonwealth virtual school, then the board of trustees shall be appointed by the member school committees of the district or the collaborative board. The board of trustees of a commonwealth virtual school, upon being granted a certificate, shall be deemed to be a public agent authorized by the commonwealth to supervise and control the commonwealth virtual school. A commonwealth virtual school shall be deemed to be a state agency under chapter 268A and members of the board of trustees shall be deemed to be public employees under chapter 268B.

(e) The board of trustees of a commonwealth virtual school shall have all powers necessary or desirable for carrying out its virtual program, including, but not limited to, the power to:

(1) adopt a name and corporate seal; provided, that any name selected shall include the words “commonwealth virtual school”;

(2) acquire real property, from public or private sources, by lease, lease with an option to purchase or by gift, for use as a school facility;

(3) receive and disburse funds for school purposes;

(4) incur temporary debt in anticipation of receipt of funds; provided that, notwithstanding any general or special law to the contrary, the terms of repayment of any commonwealth virtual school’s debt shall not exceed the duration of the school’s certificate without the approval of the board;

(5) solicit and accept grants or gifts for school purposes; and

(6) determine the school’s curriculum and develop the school’s annual budget.

(f) A commonwealth virtual school may provide access to its courses in an existing public school building or any other suitable location; provided, however, that a commonwealth virtual school shall comply with all applicable state and federal health and safety laws and regulations.

(g) The board may waive requirements that students who attend a commonwealth virtual school, attend school for a minimum number of hours or days each school year and may permit students to earn credits by demonstrating competency in a grade or subject matter. Students in commonwealth virtual schools shall be required to meet the same academic standards, testing and portfolio requirements set by the board for students in other public schools.

To ensure that students are learning and demonstrating their knowledge, each commonwealth virtual school shall ensure that students are provided, in each credit-bearing course, multiple synchronous learning opportunities with their teachers in which students are required to participate and share their knowledge.

(h) Commonwealth virtual schools shall comply with chapter 71B; provided, however, that the fiscal responsibility for a student with a disability enrolled in or determined to require a private day or residential school shall remain with the school district where the student resides. If a commonwealth virtual school expects that a student with a disability enrolled in the commonwealth virtual school may be in need of the services of a private day or residential school, it shall convene an individualized education program team meeting for the student. Notice of the team meeting shall be provided to the special education department of the school district in which the child resides at least 5 days in advance. Personnel from the school district in which the child resides shall participate in the team meeting concerning future placement of and services for the child and shall agree on the needed services for the child.

(i) No teacher shall be hired by a commonwealth virtual school who is not certified pursuant to section 38G. Nothing herein shall preclude such teacher from using digital content which may include, but not be limited to, guest lecturers.

(j) A certificate to operate a commonwealth virtual school granted by the board shall be for not less than 3 years and not more than 5 years, as determined by the board. The board shall develop procedures and guidelines for amending, revoking and renewing a virtual school’s certificate. When deciding on certificate renewal, the board shall consider progress made in student academic achievement and whether the school has met its obligations and commitments under the certificate.

(k) The amount of tuition per pupil a school district shall pay for a student residing in the district who is enrolled in a commonwealth virtual school shall be the school choice tuition amount, which shall be paid through the school choice mechanism; provided, that the department may, in consultation with the operational services division, approve alternative tuition amounts proposed by applicants that shall not exceed the state average per pupil foundation budget for students of the same classification and grade level; provided, further, that the department may authorize additional tuition assessments for services required by an individualized education program established pursuant to chapter 71B. If a commonwealth virtual school offers online courses to students attending other schools, the commonwealth virtual school shall work with the student’s district or school to determine whether the online courses meet said district’s or school’s standards and requirements and what the commonwealth virtual school will charge the student’s district or school for such online courses.

The department may retain not more than $75 per pupil for the administration of the commonwealth virtual school program.

The department, in consultation with the department of youth services, shall determine the appropriate tuition responsibility for students who are in the custody of the department of corrections, a sheriff or the department of youth services.

Students enrolled in a commonwealth virtual school shall be counted in the foundation enrollment of the school district where the student resides.

(l) The department shall promulgate rules and regulations creating a reporting requirement for a commonwealth virtual school’s net asset balance at the end of each fiscal year; provided, however, that the report shall include, but not be limited to: (1) the revenue and expenditures for the prior fiscal year with a specific accounting of the uses of public and private dollars; (2) compensation and benefits for teachers, staff, administrators, executives and members of the board of trustees; (3) the amount of funds paid to a management company; (4) the sources of surplus funds, specifically whether the funds are private or public; (5) how surplus funds were used in the previous fiscal year; and (6) the planned use of surplus funds in the upcoming fiscal year and in future fiscal years. The board may establish limits for excess funds that may be retained by commonwealth virtual schools and may require commonwealth virtual schools to return excess funds to school districts.

(m) Each commonwealth virtual school shall submit an annual report, on or before January 1, to the board. The school shall make its report available to the public on its website. The annual report shall be in such form as may be prescribed by the board and shall include, but not be limited to: (1) a discussion of progress made toward the achievement of the goals set forth in the certificate; (2) a list of the programs and courses offered; (3) a description and number of the students enrolled in the commonwealth virtual school by grade level, the number of students eligible for free and reduced price lunch and the number of students who applied and were not admitted; (4) a financial statement describing by appropriate categories the revenue and expenditures for the prior fiscal year and a balance sheet describing the commonwealth virtual school’s assets, liabilities and fund balances or equities; (5) information regarding and a discussion of student attendance and participation; (6) information regarding and a discussion of student-teacher interaction; (7) information regarding and a discussion of student performance in the commonwealth virtual school, including data from state assessments and a comparison of students’ achievement against the achievement of the students in the sending district; (8) a discussion of how many courses were completed and not completed; (9) a discussion of how the school created a community for students; (10) what activities were included to engage students and how students participated in those activities; (11) a discussion of parental involvement; and (12) a discussion of the school’s outreach and recruitment efforts; provided, however, that said report shall include input from teachers and administrators at the virtual school and input from administrators in a district that has established a virtual school or districts that are members of an education collaborative that has established a virtual school.

(n) Each commonwealth virtual school shall maintain an accurate account of all its activities and all its receipts and expenditures and shall annually conduct an independent audit of its accounts. Such audit shall be filed annually, on or before January 1 with the department and the state auditor and shall be in a form prescribed by the state auditor. The state auditor may investigate the budget and finances of commonwealth virtual schools and their financial dealings, transactions and relationships and shall have the power to examine the records of commonwealth virtual schools and to prescribe methods of accounting and the rendering of periodic reports.

(o) On or before September 1, the commissioner shall furnish a supplemental report on the Massachusetts comprehensive assessment system performance results of students served by each commonwealth virtual school and on the racial, ethnic and socio-economic make-up of the students served by each commonwealth virtual school. The commissioner shall also provide information on the number of students enrolled in each commonwealth virtual school who have individualized education programs pursuant to chapter 71B. The department shall make such report available to the public on the department’s website.

(p) On or before September 1, the commissioner shall prepare a report on the implementation and impact of this section, including, but not limited to:

(1) the fiscal impact on sending districts;

(2) any necessary adjustments to tuition rates, including whether the amount should vary based on grade or type of school and the appropriate mechanism for funding virtual schools;

(3) information on course completion and student attendance and participation rates;

(4) the academic achievement of students attending commonwealth virtual schools;

(5) the level of supervision or support needed for students in elementary and middle school;

(6) the support necessary or helpful to ensure that students successfully complete online courses;

(7) the professional development virtual school teachers require;

(8) the appropriate enrollment limit for a virtual school, if any, including information about wait lists; and

(9) the need for any changes to the commonwealth virtual school program.

The report shall be based partially on information in each commonwealth virtual school’s annual report and financial audits. This report shall include input from virtual school teachers and administrators. The commissioner shall consult with the digital learning advisory council to prepare this report. The commissioner shall file the report with the clerks of the house and senate, who shall forward the report to the joint committee on education. The department shall make the report available to the public on the department’s website.

(q) The commissioner shall identify and offer information on online courses which are aligned with state academic standards that districts may use and shall publish that list on the department’s website. At least 1 of the online courses listed shall be available at no cost to school districts, provided that such no cost online course is aligned with state academic standards. The list shall be reviewed and updated annually. Nothing in this subsection shall preclude school districts from using other courses not identified by the commissioner.

(r) The board may promulgate regulations for implementation and enforcement of this section, provided that the regulations may include, but shall not be limited to, a provision indicating the appropriate percentage of online academic instruction provided for a school to be considered a commonwealth virtual school pursuant to this section. Upon release of the proposed regulations, the board shall file a copy of the regulations with the clerks of the house of representatives and the senate, who shall forward the regulations to the joint committee on education. Within 30 days of the filing, the committee may hold a public hearing and issue a report on the regulations and file the report with the board. The board, pursuant to applicable law, may adopt final regulations making revisions to the proposed regulations as it deems appropriate after consideration of the report and shall file a copy of the regulations with the chairpersons of the joint committee on education and, not earlier than 30 days after the filing, the board shall file the final regulations with the state secretary.

(s) Nothing in this section shall preclude a student from taking some or all of the student’s classes online when such classes are offered or approved by the school the student attends or by an education collaborative in which the student’s school district participates.

This section shall not apply to a virtual school operated by a single school district if the school enrolls only students residing in the school district; provided, however, that such district shall submit a summary description of the proposed virtual school to the commissioner for review and comment at least 4 months in advance of the opening of the virtual school. The commissioner shall then provide written comments on the proposal to each district’s school committee.

(t) A school committee may, by vote, restrict enrollment of its students in commonwealth virtual schools if the total enrollment of its students in commonwealth virtual schools exceeds 1 per cent of the total enrollment in its district; provided, however, that no student enrolled in a commonwealth virtual school shall be compelled to withdraw as a result of that vote.

# Appendix B: CMVS Tuition by Sending District, FY19[[7]](#footnote-7)

*Sorted on FY19 FTE CMVS enrollment.*

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| --- | --- | --- |
| **Sending District** | **FY19 Full Time Equivalent Students** | **FY19 Tuition** |
| Springfield | 176.94 | $1,536,444 |
| Boston | 160.58 | $1,369,426 |
| Worcester | 106.57 | $912,880 |
| New Bedford | 73.40 | $635,913 |
| Fall River | 65.74 | $574,143 |
| Lowell | 49.67 | $428,357 |
| Chicopee | 43.36 | $373,310 |
| Pittsfield | 39.91 | $347,630 |
| Barnstable | 38.94 | $325,612 |
| Framingham | 36.16 | $303,601 |
| Lynn | 32.21 | $284,882 |
| Lawrence | 31.65 | $262,661 |
| Westfield | 31.36 | $278,739 |
| Brockton | 29.31 | $246,019 |
| Haverhill | 27.49 | $228,067 |
| Taunton | 27.46 | $226,619 |
| Wachusett | 26.84 | $230,985 |
| Attleboro | 26.83 | $223,256 |
| Quabbin | 25.68 | $229,946 |
| Revere | 23.98 | $198,866 |
| Northbridge | 23.43 | $205,436 |
| Franklin | 23.28 | $193,957 |
| Plymouth | 23.02 | $209,076 |
| Waltham | 23.00 | $190,100 |
| Fitchburg | 22.94 | $194,877 |
| Wareham | 22.40 | $189,568 |
| Leominster | 21.92 | $187,495 |
| Weymouth | 21.43 | $184,971 |
| Agawam | 21.39 | $183,739 |
| Gardner | 21.18 | $186,728 |
| Holyoke | 21.02 | $182,239 |
| West Springfield | 20.41 | $167,706 |
| Methuen | 20.40 | $172,115 |
| Athol-Royalston | 20.17 | $179,017 |
| Saugus | 20.16 | $165,110 |
| Ludlow | 19.96 | $168,176 |
| Marlborough | 19.81 | $166,275 |
| Belchertown | 18.66 | $156,813 |
| Bridgewater-Raynham | 18.17 | $152,165 |
| Greenfield | 17.23 | $170,000 |
| Rockland | 16.96 | $143,716 |
| Winchendon | 16.93 | $145,533 |
| Hampden-Wilbraham | 15.85 | $131,281 |
| Malden | 14.72 | $123,694 |
| Watertown | 14.71 | $128,512 |
| Middleborough | 14.66 | $124,523 |
| Randolph | 14.62 | $120,690 |
| Billerica | 14.46 | $124,034 |
| Uxbridge | 14.43 | $136,544 |
| Shrewsbury | 14.37 | $142,415 |
| Chelsea | 14.04 | $118,883 |
| Danvers | 14.01 | $115,566 |
| Dracut | 13.68 | $120,245 |
| Spencer-E Brookfield | 13.48 | $111,220 |
| Sandwich | 13.35 | $115,751 |
| Chelmsford | 13.30 | $112,613 |
| Beverly | 13.27 | $109,816 |
| King Philip | 13.22 | $112,525 |
| Cambridge | 13.07 | $109,547 |
| Dudley-Charlton Reg | 12.99 | $110,518 |
| Bellingham | 12.70 | $105,664 |
| Milford | 12.65 | $109,398 |
| Palmer | 12.65 | $106,206 |
| Oxford | 12.62 | $109,870 |
| Tantasqua | 12.36 | $104,006 |
| Quaboag Regional | 11.88 | $97,632 |
| Southbridge | 11.77 | $102,267 |
| Andover | 11.68 | $97,081 |
| Newton | 11.60 | $100,095 |
| Grafton | 11.52 | $98,809 |
| Swampscott | 11.41 | $96,278 |
| Natick | 10.99 | $93,273 |
| Ashburnham-Westminster | 10.97 | $91,524 |
| Medford | 10.91 | $90,809 |
| Monomoy Regional | 10.91 | $90,751 |
| North Attleborough | 10.75 | $90,962 |
| Ralph C Mahar | 10.73 | $88,384 |
| Mansfield | 10.69 | $91,559 |
| Triton | 10.65 | $93,916 |
| Blackstone-Millville | 10.63 | $93,891 |
| Northboro-Southboro | 10.60 | $87,089 |
| Hudson | 10.49 | $88,843 |
| Peabody | 10.29 | $85,452 |
| Freetown-Lakeville | 10.11 | $85,928 |
| Norton | 10.06 | $82,392 |
| East Bridgewater | 9.94 | $83,565 |
| Auburn | 9.92 | $81,360 |
| Dighton-Rehoboth | 9.74 | $80,143 |
| Dartmouth | 9.70 | $81,517 |
| Tewksbury | 9.65 | $82,998 |
| Winthrop | 9.17 | $76,752 |
| Stoughton | 9.17 | $76,755 |
| North Middlesex | 9.14 | $77,647 |
| Everett | 9.11 | $78,034 |
| North Andover | 9.08 | $77,931 |
| Hadley | 9.03 | $83,220 |
| Mendon-Upton | 8.99 | $74,641 |
| Seekonk | 8.81 | $78,493 |
| Melrose | 8.79 | $71,990 |
| Norwood | 8.67 | $76,623 |
| Douglas | 8.58 | $72,077 |
| Milton | 8.32 | $69,656 |
| Newburyport | 8.30 | $73,988 |
| Burlington | 8.25 | $67,839 |
| Carver | 8.20 | $69,100 |
| Quincy | 8.15 | $69,106 |
| Pentucket | 8.06 | $69,460 |
| Braintree | 8.06 | $68,135 |
| Wilmington | 8.04 | $70,184 |
| Millbury | 8.02 | $67,933 |
| Salem | 8.02 | $65,684 |
| Lunenburg | 7.94 | $67,545 |
| Ware | 7.88 | $66,803 |
| Holbrook | 7.84 | $65,746 |
| Adams-Cheshire | 7.84 | $72,357 |
| Monson | 7.79 | $63,801 |
| Webster | 7.76 | $74,717 |
| West Boylston | 7.74 | $67,394 |
| Lee | 7.72 | $69,794 |
| Dennis-Yarmouth | 7.43 | $60,977 |
| Bedford | 7.05 | $59,787 |
| Holliston | 6.99 | $59,547 |
| Westford | 6.94 | $57,301 |
| South Hadley | 6.92 | $62,676 |
| Nantucket | 6.90 | $63,916 |
| Silver Lake | 6.90 | $57,208 |
| Somerset Berkley Regional | 6.87 | $57,721 |
| Abington | 6.83 | $56,556 |
| Central Berkshire | 6.79 | $86,133 |
| Lexington | 6.74 | $66,061 |
| Walpole | 6.63 | $56,433 |
| Brookline | 6.54 | $55,566 |
| Tyngsborough | 6.54 | $53,753 |
| Easthampton | 6.52 | $62,149 |
| Medway | 6.51 | $56,880 |
| Marshfield | 6.43 | $56,226 |
| Canton | 6.41 | $52,497 |
| Narragansett | 6.35 | $52,007 |
| North Brookfield | 6.34 | $57,524 |
| Groton-Dunstable | 6.34 | $52,888 |
| Mashpee | 6.31 | $53,564 |
| Somerville | 6.29 | $51,732 |
| Westport | 6.25 | $53,431 |
| Ayer Shirley | 6.23 | $51,024 |
| Falmouth | 6.12 | $51,808 |
| Woburn | 5.95 | $50,416 |
| Easton | 5.89 | $55,968 |
| Belmont | 5.84 | $48,695 |
| Bourne | 5.84 | $51,104 |
| Whitman-Hanson | 5.62 | $47,133 |
| Old Rochester | 5.61 | $46,281 |
| Hopedale | 5.57 | $47,638 |
| Wakefield | 5.55 | $46,244 |
| Swansea | 5.54 | $45,373 |
| North Adams | 5.52 | $46,034 |
| Reading | 5.45 | $46,385 |
| North Reading | 5.29 | $45,650 |
| Marblehead | 5.10 | $44,878 |
| Needham | 5.00 | $40,950 |
| Hingham | 4.86 | $40,353 |
| Pembroke | 4.86 | $39,803 |
| Maynard | 4.61 | $38,978 |
| Hampshire | 4.60 | $41,329 |
| Northampton | 4.54 | $40,357 |
| Ipswich | 4.40 | $37,751 |
| Nauset | 4.37 | $41,643 |
| Gill-Montague | 4.33 | $35,807 |
| Arlington | 4.17 | $34,956 |
| Stoneham | 4.06 | $33,778 |
| Pioneer Valley | 4.06 | $33,252 |
| Erving | 4.00 | $32,760 |
| Fairhaven | 4.00 | $32,760 |
| Nashoba | 3.97 | $32,514 |
| Leicester | 3.95 | $33,203 |
| Amesbury | 3.89 | $33,510 |
| Gateway | 3.75 | $31,511 |
| Gloucester | 3.72 | $30,467 |
| Southern Berkshire | 3.64 | $32,684 |
| Littleton | 3.60 | $31,135 |
| Cohasset | 3.47 | $29,235 |
| Masconomet | 3.47 | $29,513 |
| Wales | 3.32 | $27,192 |
| Hull | 3.31 | $27,516 |
| East Longmeadow | 3.17 | $26,794 |
| Southwick-Tolland-Granville Regional | 3.02 | $25,868 |
| Weston | 3.00 | $26,771 |
| Acton-Boxborough | 3.00 | $25,336 |
| Longmeadow | 2.95 | $25,812 |
| West Bridgewater | 2.88 | $23,587 |
| Dedham | 2.82 | $24,578 |
| Norwell | 2.80 | $25,599 |
| Foxborough | 2.78 | $24,419 |
| Granby | 2.74 | $22,441 |
| Scituate | 2.58 | $21,130 |
| Amherst | 2.49 | $20,869 |
| Concord | 2.47 | $20,229 |
| Sharon | 2.47 | $22,583 |
| Winchester | 2.44 | $20,804 |
| Lenox | 2.38 | $19,764 |
| Somerset | 2.35 | $23,764 |
| Mohawk Trail | 2.34 | $21,572 |
| Clinton | 2.31 | $20,213 |
| Millis | 2.12 | $17,571 |
| Amherst-Pelham | 2.11 | $17,281 |
| Ashland | 2.00 | $16,380 |
| Georgetown | 2.00 | $16,380 |
| Halifax | 2.00 | $18,737 |
| Lynnfield | 2.00 | $16,380 |
| Norfolk | 2.00 | $16,380 |
| Hamilton-Wenham | 1.97 | $16,397 |
| Orange | 1.95 | $15,971 |
| Harvard | 1.88 | $15,930 |
| Acushnet | 1.82 | $14,906 |
| Avon | 1.80 | $15,256 |
| Westborough | 1.63 | $13,787 |
| Hopkinton | 1.54 | $12,613 |
| Berkshire Hills | 1.54 | $13,961 |
| Plainville | 1.47 | $12,583 |
| Lincoln-Sudbury | 1.46 | $12,356 |
| Westwood | 1.38 | $11,523 |
| Rockport | 1.35 | $11,253 |
| Wayland | 1.35 | $11,167 |
| Frontier | 1.25 | $10,238 |
| Conway | 1.00 | $8,190 |
| Duxbury | 1.00 | $8,190 |
| Florida | 1.00 | $8,190 |
| Kingston | 1.00 | $8,190 |
| Middleton | 1.00 | $8,190 |
| Southborough | 1.00 | $8,190 |
| Sturbridge | 1.00 | $49,869 |
| Sutton | 1.00 | $8,190 |
| Hawlemont | 1.00 | $11,254 |
| Manchester Essex Regional | 0.97 | $7,944 |
| Nahant | 0.95 | $8,535 |
| Berkley | 0.94 | $7,699 |
| Wellesley | 0.92 | $7,535 |
| Rochester | 0.82 | $6,716 |
| Martha's Vineyard | 0.75 | $6,143 |
| Farmington River Reg | 0.73 | $5,979 |
| Northborough | 0.56 | $4,586 |
| Lincoln | 0.48 | $3,931 |
| Brookfield | 0.47 | $3,849 |
| Provincetown | 0.47 | $3,849 |
| Concord-Carlisle | 0.46 | $3,767 |
| Monroe | 0.35 | $2,867 |
| Holland | 0.22 | $1,802 |
| Brimfield | 0.19 | $1,556 |
| Hanover | 0.17 | $1,392 |
| Dover-Sherborn | 0.07 | $573 |
| **Total** | **2806** | **$24,092,092** |

# Appendix C: CMVS Academic Achievement Data

**Next Generation MCAS Tests of Spring 2019 - Percent of Students at Each Achievement Level for GCVS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade and Subject** | **Meeting or Exceeding Expectations** | | **Exceeding Expectations** | | **Meeting Expectations** | | **Partially Meeting Expectations** | | **Not Meeting Expectations** | | **No. of Students Included** | **Avg. Scaled Score** | **Avg.SGP** | **Included in Avg.SGP** | **Ach.Pctl** |
| **GCVS** | **State** | **GCVS** | **State** | **GCVS** | **State** | **GCVS** | **State** | **GCVS** | **State** |
| **GRADE 03 - ENGLISH LANGUAGE ARTS** | 38 | 56 | 0 | 10 | 38 | 46 | 52 | 36 | 10 | 8 | 21 | 491.8 | N/A | N/A | 9 |
| **GRADE 03 - MATHEMATICS** | 10 | 49 | 0 | 9 | 10 | 40 | 67 | 38 | 24 | 13 | 21 | 480 | N/A | N/A | 4 |
| **GRADE 04 - ENGLISH LANGUAGE ARTS** | 19 | 52 | 0 | 9 | 19 | 43 | 59 | 39 | 22 | 9 | 27 | 486.7 | 29.1 | 25 | 4 |
| **GRADE 04 - MATHEMATICS** | 14 | 50 | 0 | 8 | 14 | 41 | 57 | 39 | 29 | 12 | 28 | 479.3 | 32.4 | 25 | 5 |
| **GRADE 05 - ENGLISH LANGUAGE ARTS** | 35 | 52 | 0 | 7 | 35 | 45 | 54 | 39 | 12 | 9 | 52 | 492 | 34.9 | 41 | 14 |
| **GRADE 05 - MATHEMATICS** | 17 | 48 | 0 | 6 | 17 | 43 | 56 | 42 | 27 | 10 | 52 | 482.9 | 32 | 40 | 5 |
| **GRADE 05 - SCIENCE** | 32 | 49 | 6 | 8 | 26 | 40 | 45 | 39 | 23 | 12 | 47 | 488.5 | N/A | N/A | 19 |
| **GRADE 06 - ENGLISH LANGUAGE ARTS** | 33 | 53 | 2 | 13 | 31 | 41 | 44 | 33 | 23 | 13 | 48 | 487.9 | 40 | 35 | 14 |
| **GRADE 06 - MATHEMATICS** | 21 | 52 | 0 | 10 | 21 | 41 | 53 | 38 | 26 | 10 | 47 | 480.8 | 32.8 | 33 | 5 |
| **GRADE 07 - ENGLISH LANGUAGE ARTS** | 19 | 48 | 0 | 8 | 19 | 40 | 57 | 38 | 24 | 13 | 63 | 484.4 | 42.2 | 33 | 10 |
| **GRADE 07 - MATHEMATICS** | 17 | 48 | 0 | 11 | 17 | 37 | 52 | 39 | 32 | 13 | 60 | 480.2 | 34.1 | 32 | 7 |
| **GRADE 08 - ENGLISH LANGUAGE ARTS** | 30 | 52 | 3 | 11 | 26 | 40 | 48 | 35 | 23 | 14 | 61 | 487.7 | 46.7 | 48 | 20 |
| **GRADE 08 - MATHEMATICS** | 10 | 46 | 3 | 10 | 7 | 37 | 61 | 41 | 30 | 12 | 61 | 480.6 | 33.2 | 47 | 10 |
| **GRADE 08 - SCIENCE** | 21 | 46 | 0 | 8 | 21 | 38 | 66 | 41 | 13 | 13 | 56 | 488.5 | N/A | N/A | 26 |
| **GRADE 10 - ENGLISH LANGUAGE ARTS** | 65 | 61 | 6 | 13 | 59 | 48 | 29 | 31 | 6 | 8 | 66 | 506.4 | 56.9 | 26 | 59 |
| **GRADE 10 - MATHEMATICS** | 42 | 59 | 3 | 13 | 39 | 45 | 50 | 33 | 8 | 9 | 64 | 495.6 | 40 | 26 | 27 |
| **GRADES 03 - 08 - ENGLISH LANGUAGE ARTS** | 28 | 52 | 1 | 10 | 27 | 42 | 52 | 37 | 20 | 11 | 272 | 488.1 | 39.5 | 182 | 8 |
| **GRADES 03 - 08 - MATHEMATICS** | 15 | 49 | 1 | 9 | 14 | 40 | 57 | 39 | 28 | 12 | 269 | 480.8 | 32.9 | 177 | 5 |
| **GRADES 05 & 08 - SCIENCE** | 26 | 48 | 3 | 8 | 23 | 39 | 56 | 40 | 17 | 12 | 103 | 488.5 | N/A | N/A | 19 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade and Subject** | **Proficient or Higher** | | **Advanced** | | **Proficient** | | **Needs Improvement** | | **Warning/ Failing** | | **No. of Students Included** | **CPI** | **Avg.SGP** | **Included in Avg.SGP** |
| **School** | **State** | **School** | **State** | **School** | **State** | **School** | **State** | **School** | **State** |  |  |  |  |
| **GRADE 10 - SCIENCE AND TECH/ENG** | 53 | 74 | 11 | 30 | 42 | 44 | 39 | 20 | 8 | 5 | 38 | 78.9 | N/A | N/A |

**Next Generation MCAS Tests of Spring 2019 - Percent of Students at Each Achievement Level for TECCA**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade and Subject** | **Meeting or Exceeding Expectations** | | **Exceeding Expectations** | | **Meeting Expectations** | | **Partially Meeting Expectations** | | **Not Meeting Expectations** | | **No. of Students Included** | **Avg. Scaled Score** | **Avg.SGP** | **Included in Avg.SGP** | **Ach.Pctl** |
| **School** | **State** | **School** | **State** | **School** | **State** | **School** | **State** | **School** | **State** |
| **GRADE 03 - ENGLISH LANGUAGE ARTS** | 52 | 56 | 4 | 10 | 48 | 46 | 36 | 36 | 12 | 8 | 50 | 498.1 | N/A | N/A | 31 |
| **GRADE 03 - MATHEMATICS** | 20 | 49 | 0 | 9 | 20 | 40 | 52 | 38 | 28 | 13 | 50 | 484.8 | N/A | N/A | 15 |
| **GRADE 04 - ENGLISH LANGUAGE ARTS** | 44 | 52 | 8 | 9 | 37 | 43 | 41 | 39 | 14 | 9 | 63 | 496.8 | 42.7 | 39 | 28 |
| **GRADE 04 - MATHEMATICS** | 25 | 50 | 0 | 8 | 25 | 41 | 42 | 39 | 33 | 12 | 64 | 481.4 | 37.7 | 40 | 6 |
| **GRADE 05 - ENGLISH LANGUAGE ARTS** | 35 | 52 | 4 | 7 | 31 | 45 | 53 | 39 | 13 | 9 | 80 | 493.1 | 45.6 | 54 | 18 |
| **GRADE 05 - MATHEMATICS** | 16 | 48 | 0 | 6 | 16 | 43 | 54 | 42 | 30 | 10 | 81 | 481.2 | 26.9 | 53 | 4 |
| **GRADE 05 - SCIENCE** | 34 | 49 | 7 | 8 | 26 | 40 | 43 | 39 | 24 | 12 | 68 | 487.9 | N/A | N/A | 18 |
| **GRADE 06 - ENGLISH LANGUAGE ARTS** | 37 | 53 | 4 | 13 | 32 | 41 | 47 | 33 | 17 | 13 | 115 | 492.2 | 39.9 | 73 | 23 |
| **GRADE 06 - MATHEMATICS** | 18 | 52 | 3 | 10 | 15 | 41 | 66 | 38 | 17 | 10 | 114 | 484.5 | 32.2 | 71 | 10 |
| **GRADE 07 - ENGLISH LANGUAGE ARTS** | 22 | 48 | 2 | 8 | 20 | 40 | 57 | 38 | 20 | 13 | 169 | 488.5 | 42.1 | 89 | 19 |
| **GRADE 07 - MATHEMATICS** | 16 | 48 | 1 | 11 | 15 | 37 | 57 | 39 | 27 | 13 | 168 | 481 | 40.4 | 88 | 11 |
| **GRADE 08 - ENGLISH LANGUAGE ARTS** | 35 | 52 | 3 | 11 | 32 | 40 | 50 | 35 | 15 | 14 | 237 | 491.9 | 44.3 | 151 | 31 |
| **GRADE 08 - MATHEMATICS** | 15 | 46 | 0 | 10 | 15 | 37 | 60 | 41 | 25 | 12 | 234 | 483.2 | 28.4 | 149 | 15 |
| **GRADE 08 - SCIENCE** | 32 | 46 | 2 | 8 | 30 | 38 | 56 | 41 | 12 | 13 | 187 | 492.1 | N/A | N/A | 35 |
| **GRADE 10 - ENGLISH LANGUAGE ARTS** | 57 | 61 | 9 | 13 | 48 | 48 | 37 | 31 | 6 | 8 | 203 | 503 | 43.4 | 113 | 41 |
| **GRADE 10 - MATHEMATICS** | 41 | 59 | 10 | 13 | 31 | 45 | 48 | 33 | 11 | 9 | 203 | 495.5 | 37.4 | 112 | 29 |
| **GRADES 03 - 08 - ENGLISH LANGUAGE ARTS** | 34 | 52 | 4 | 10 | 31 | 42 | 50 | 37 | 16 | 11 | 714 | 492.1 | 43 | 406 | 18 |
| **GRADES 03 - 08 - MATHEMATICS** | 17 | 49 | 1 | 9 | 16 | 40 | 57 | 39 | 26 | 12 | 711 | 482.6 | 32.4 | 401 | 8 |
| **GRADES 05 & 08 - SCIENCE** | 33 | 48 | 3 | 8 | 29 | 39 | 53 | 40 | 15 | 12 | 255 | 491 | N/A | N/A | 24 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade and Subject** | **Proficient or Higher** | | **Advanced** | | **Proficient** | | **Needs Improvement** | | **Warning/ Failing** | | **No. of Students Included** | **CPI** | **Avg.SGP** | **Included in Avg.SGP** |
| **School** | **State** | **School** | **State** | **School** | **State** | **School** | **State** | **School** | **State** |  |  |  |  |
| **GRADE 10 - SCIENCE AND TECH/ENG** | 64 | 74 | 16 | 30 | 48 | 44 | 29 | 20 | 7 | 5 | 58 | 87.5 | N/A | N/A |

1. GCVS has a three-year certificate to operate from July 1, 2019 through June 30, 2022. TECCA has a five-year certificate to operate from July 1, 2017 through June 30, 2022. [↑](#footnote-ref-1)
2. The criteria in their entirety may be found at http://www.doe.mass.edu/odl/cmvs/. [↑](#footnote-ref-2)
3. The tuition for special education students is the cost of providing the special education required by the student. G.L. c. 71, § 94(k). [↑](#footnote-ref-3)
4. Until December 2017, the CMVS tuition rate remained at $6,700, less $75 per pupil retained by the Department (total rate of $6,625 per pupil paid to each CMVS). [↑](#footnote-ref-4)
5. http://www.doe.mass.edu/finance/chapter70/profile.xlsx. [↑](#footnote-ref-5)
6. The “high needs” category includes any student identified as economically disadvantaged, English learners, or students with disabilities. [↑](#footnote-ref-6)
7. <http://www.doe.mass.edu/finance/schoolchoice/> [↑](#footnote-ref-7)