

Approved Online Course Provider

2Sigma School

Website: <https://2sigma.school/>

Email: info@2SigmaSchool.org

Phone: 646-547-1361

Student information privacy policy: <https://2sigma.school/t/a/privacy>

OSPI Approval

Approved as an Online Course Provider since 2024-25.

Student Performance

Data for school year: N/A

Course completion rate: N/A

Course pass rate: N/A

Overview

2Sigma School offers students the opportunity to engage in computer science courses with a live, remote, highly qualified instructor with the intention of generating a spark within the students to consider computer science as a future career. As not all online instruction is equal, we believe that building relationships with students, providing one-to-one support, and providing students with opportunities to redo/resubmit assignments are the keys to a successful computer science program. Over the past 2 ½ years, we have proven that our model works as evidenced by the increased demand for our computer science courses at our partner schools and additional schools seeking our services based on the recommendations from our initial schools. 2Sigma School is a small, responsive, nimble, innovative company with a state of the art tech stack allowing for flexibility to meet the needs of instructors, students, and schools.

2Sigma School curriculum aligns to Washington state computer science standards, has NCAA approval, and provides opportunities for all learners to engage with the content regardless of EL, SPED, Gifted & Talented, or other special population. The content is device agnostic and works on Chromebooks as well as iPads, although a device with a larger screen is preferred. The content does not require the installation of any software on the device. Internet access is required. Our content is designed to be mastery based with a focus on demonstrating mastery through the completion of projects. Grading and curriculum are customizable to meet individual school requirements. Students will practice their writing, presentation, and communication skills during our courses. Our instructors will spend time supporting all students individually throughout each week allowing for personalized instruction tailored to each student.

Assignment and assessments include projects, multiple choice, short answer, presentations, and



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group projects providing students the opportunity to practice skills necessary for success on state exams, AP exam, and future computer science courses.

Along with learning how to code, students will also gain teamwork experience, presentation skills and have the chance to participate in computer science competitions. Advanced computer science and data science courses offered by 2Sigma School will include students receiving feedback from industry experts on specific projects.

Data drives instruction at 2Sigma School. We gather, analyze, and provide live data reports to our instructors and schools. This data can be sorted and filtered as needed to track progress of special populations. As applicable to the contract, data will be transferred according to both state and local protocols based on provided timeframes or upon request. Data may vary based on permission level.

We have developed tools to allow our instructors access to live student engagement data allowing them to quickly identify students who may need additional support in a breakout room. This allows them to see if students are all struggling at the same point in a project so they can then provide immediate group support. With self-paced assignments, students are able to work at their own pace without feeling pressured by peers allowing them to be successful. For students who complete work quickly, extension and challenge activities are available to add depth to their content knowledge.

For classroom implementations, the School-based support person in the classroom serves a critical role in the success of the class as they are the eyes and ears for the 2Sigma School instructor. Therefore, the 2Sigma instructor has frequent contact with the School-based support person and the School-based support person has access to all the same systems as the students so they can provide the onsite support. While the role of the School-based support person is not instruction, they do support classroom management and ensuring students are on task. Unless specified, 2Sigma instructors typically do not contact parents as the school has the connections with the parents so instructors will provide communication to the School-based support person or designated school personnel. During monthly check-in meetings, the 2Sigma leadership team, the instructor, school administrators or designated personnel, and the School-based support person all meet for a debrief which includes the instructor highlighting student work, sharing data, and providing a preview of upcoming content. The school has the opportunity to provide feedback regarding concerns, things that are going well, and any changes that may be required. Our relationship with the school's administration is just as critical as the instructor's relationship with the students for the program's overall success.

For individual student enrollment, the 2Sigma instructors will schedule regular meetings with the student. The School-based support person will be copied on communication with the student and parent. Additionally, the School-based support person will have access to the instructional platform to monitor student progress, transfer grades, etc. As directed by the School-based support person, the instructor will either communicate directly with the parents or provide

information to the School-based support person regarding student progress and desired communication for the parents.

Course Offerings

Subjects:

- Mathematics
- Science
- Technology

Levels:

- Advanced Placement
- Honors
- Standard

Student-Teacher Contact Requirements

At the beginning of the semester, students are provided with the course syllabus, grading details, and a pacing guide. Moreover, instructors will send an introductory email to students, sharing their background and contact information. Throughout the semester, instructors will hold scheduled weekly meetings, make weekly announcements and maintain active communication with students through email. They are committed to responding to student inquiries within 24 hours.

Courses at 2Sigma School are conducted using a mix of live class sessions and asynchronous learning. However, instructors maintain consistent daily hours on all school days, typically available from 8 am to 4 pm PST.