Blended Learning

“In general terms, blended learning combines online delivery of educational content with the best features of classroom interaction and live instruction to personalize learning, allow thoughtful reflection, and differentiate instruction from student to student across a diverse group of learners (Watson).”

In the blended classroom the teacher spends much less time talking in front of the class and instead acts as a facilitator and coach. This leaves time for teachers to identify struggling students and create small groups for direct instruction or provide one-on-one tutoring when the students need it.

Blended Learning Basics

- Combine or mix modes of web-based technology (e.g., live virtual classroom, self-paced instruction, collaborative learning, streaming video, audio, and text) to accomplish an educational goal.
- Leverages technologies of the online learning environment to deliver content and measure outcomes
- Greater emphasis on student engagement with other students, instructors, content, and educational material and resources, both in and out of the classroom
- Classroom time is used to engage students in collaborative or interactive experiences like group projects, role playing, and presentations instead of purely direct instruction
- Embedded formative and summative assessments throughout the course, some of which may be integrated into the online platform or during face time while in the physical classroom
- There is no single formula for blended learning; it should be approached as a pedagogical shift in your educational model

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SAUSD Blended Learning Resources

Blended Learning Rotation Models

Below you will find a program which within a given course or subject (e.g., math), students rotate on a fixed schedule or at the teacher’s direction between learning modalities, at least one of which is online learning (Staker and Horn).

Station Rotation

In a Station Rotation model, students rotate on a fixed schedule or at the teacher’s direction among classroom-based learning modalities. The rotation includes at least one station for online learning. Other stations might include activities such as small-group or full-class instruction, group projects, individual tutoring, and pencil-and-paper assignments. Some implementations involve whole class rotation, whereas others divide the class into small-group or one-by-one rotations (Staker and Horn).

SAUSD Example of Station Rotation Model

Read 180 program, which incorporates three centers in the classroom: guided teacher reading instruction, independent student reading, and a pod of computers for online learning. Read 180 is a site subscription currently used by Lathrop, Willard, Century, Cesar Chavez, and SAHS.

Lab Rotation

In a Lab Rotation model, students rotate into a computer lab on a fixed schedule or at the teacher’s direction. The Lab Rotation model differs from the Station Rotation model because students rotate into a computer lab instead of staying in one classroom (Staker and Horn).

SAUSD Example of Lab Rotation Model

ST Math is a web-delivered system designed to enhance math content according to individual student needs. ST Math is used at most elementary and some intermediate schools. At the elementary level students rotate between traditional teacher directed math instruction and a learning lab, at least once a week, to use the ST Math.

SAUSD Digital Resources for Teachers can be found on the district’s Staff Portal Web page by selecting Education Technology under the Curriculum Tab and then locating Digital Resources for Teachers on the index.
**SAUSD Blended Learning Resources**

**Blended Learning Models**

1. **Rotation Model – Continued**

**Flipped Classroom**

In a Flipped Classroom model, students rotate on a fixed schedule between face-to-face teacher-guided practice (or projects) in the classroom during the school day and online delivery of content and instruction of the same subject from a remote location (often home) after school (Staker and Horn).

The flipped classroom reverses teaching so instruction is delivered outside the classroom through multimedia content. Students access class content before or after school in a lab, at home, or anywhere internet access is available. Moving lectures outside of the classroom allows teachers to spend more 1:1 time with each student. Students have the opportunity to ask questions and work through problems with the guidance of their teachers and peers thus creating a collaborative learning environment.

*For more Flipped Classroom Model information view the SAUSD Flipped Classroom Resources.*

**SAUSD Example of Flipped Classroom Model**

Crystal Kirch a SAUSD High School teacher is using a “Flipped Classroom” model for Algebra 1 9th and 10th grade and Math Analysis Honors for 11th and 12 grade.

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**Individual Rotation**

In an Individual Rotation model, students rotate on an individually customized, fixed schedule among learning modalities, at least one of which is online learning. The teacher establishes the student schedule. The Individual Rotation model differs from the other Rotation models because students do not necessarily (Staker and Horn).

**SAUSD Example of Individual Rotation Model**

Spurgeon Intermediate computer lab has a customized, fixed schedule supplemental learning program where the teacher establishes the student schedule.
SAUSD Blended Learning Resources

Online Sources for Multimedia Content Including Videos, Images, and Lesson Material

There are many online resources available to find multimedia material for student use in the blended classroom. Much of this has been created by other teachers and is searchable in a variety of ways such as by subject area, Common Core State Standards, and grade level. See Resources below.

Free Resources

The Khan Academy has a library of over 3,600 videos covering everything from arithmetic to physics, finance, and history and nearly 400 practice exercises.

Sophia® offers over 25,000 tutorials on a variety of topics. Create a playlist to order the tutorials the way you want to teach, or create a private group for each one of your classes. Search by subject or topic and narrow by grade level or media type.

District Resources

Discovery Education™ is available to all SAUSD teachers. Discovery Education offers a broad range of California Common Core State Standards aligned multimedia resources. Media types available include videos, images, clip art, audio (speeches, songs, sound effects), articles, student activities, lesson plans, etc.

Login information can be found on the SAUSD Staff Portal, Educational Services Tab, Education Technology, Digital Resources for Teachers Web page

Licensed Resources

READ 180® is a comprehensive system of curriculum, instruction, assessment, and online learning. Students may access the prescribed coursework online either at home or at school, but the classroom environment consists of a station rotation: a pod of computers for the online component, an independent reading area, and guided reading with the teacher.

Plato is a system that provides online curriculum. Plato is currently being used for credit recovery and for independent student studies.

The MIND Research Institute (ST MATH) provides instructional software to supplement mathematics education.

SAUSD Digital Resources for Teachers can be found on the district’s Staff Portal Web page by selecting Education Technology under the Curriculum Tab and then locating Digital Resources for Teachers on the index.
SAUSD Blended Learning Resources

Where can I Host Blended Learning Content?

SAUSD teacher’s Webpage is an excellent way to reach out to parents and students. Most teachers already have a basic teacher SAUSD website established on Schoolwires. Thus, this is a natural way to extend classroom learning and communication. Schoolwires teacher webpages contain multiple apps that are beneficial to the blended learning classroom. Schoolwires Apps:

- **Article Library**: Allows for the creation of multiple article pages in one location.
- **Assignment**: Generate and post assignments that may contain links to video content and/or downloadable handouts
- **Blog**: Allows the creation of one or more blogs on a page. All comments are approved by the teacher before they appear on the page.
- **File Library**: Delivery of files for download by parents and/or students. File types include PDF, Word, Excel, etc.
- **Link Library**: Provides a single location for links to blended learning videos so students may view and review as often as needed.

Edmodo is a Learning Management System designed to create a virtual classroom environment. SAUSD has the Edmodo domain [http://santaanausd.edmodo.com](http://santaanausd.edmodo.com). Edmodo accounts are free. Account creation can be found at [http://www.sausd.us/Page/21357](http://www.sausd.us/Page/21357). Edmodo interface resembles Facebook, which makes it popular with students. Edmodo Post feature allows teachers and students the ability to collaborate on work, assignments, and ideas to any groups they are a member.

- **Assignments**: Teachers post assignments to students, provide necessary links, downloads, and set due dates. Students post or submit completed assignments for review and grading.
- **Library**: The Edmodo library can be thought of as a virtual library that can be accessed anywhere anytime. The library allows teachers to bookmark webpages, store, organize, and manage documents in the Edmodo account.
- **Posts**: Teachers and students collaborate via posts much like blogging. Students can also post or share documents, links, and other multimedia material with the group. Teachers monitor and approve student posts.

Teacher Tube is an educational website that hosts videos from educators around the world. Uploaded videos go through an approval process before becoming available online, so videos will need to be completed several days in prior to use.

The main difference between Teacher Tube and School Tube is that in School Tube, you can add your videos under the school or district’s name. Again, uploaded videos must be approved before becoming available.
## SAUSD Blended Learning Resources

### Media Type Resource List

#### Blogs & Collaboration

**Blog:** Allows the creation of one or more blogs on a page. All comments are approved by the teacher before they appear on the page.

**edmodo**

**Posts:** Teachers and students collaborate via posts much like blogging. Students can also post or share documents, links, and other multimedia material with the group. Teachers monitor and approve student posts.

**Collaborize Classroom**

A free secure online discussion site designed to engage students in conversations and collaborative groups.

#### Video Hosting

**Teacher Tube**

Teacher Tube is an educational website that hosts videos from educators around the world. Uploaded videos go through an approval process before becoming available.

**School Tube**

School Tube hosts teacher videos. SAUSD has a district site for hosting videos.

#### Video Content

**Britannica**

Britannica gives access to four encyclopedias, content videos, multimedia materials, images, interactive lessons, illustrations, & magazine and journal articles.

**Discovery Education**

Discovery Education media resources include CCSS aligned videos, images, clip art, audio (speeches, songs, sound effects), articles, student activities, lesson plans, etc.

**The Khan Academy**

The Khan Academy has a library of over 3,600 videos covering everything from arithmetic to physics, finance, and history and nearly 400 practice exercises.

**Sophia**

Sophia® offers over 25,000 tutorials on a variety of topics. Search by subject or topic and narrow by grade level or media type.

**Annenberg Learner**

Offers video tutorials searchable by grade and content area. Lessons that can be assigned to students.

An educational website that hosts videos from educators around the world.
Work Cited
