

STUDENT INFORMATION SYSTEM SOFTWARE AND WEB-BASED PROGRAMS

Including “Master Builder,” “Scheduler” programs

Requests: (20641/25246) 81.76%
Complete: (72/1345) 5.35%

Term T1

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Industrial Technology
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Zachar, Mark

Language Arts
Davis, Mary J.
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This resource includes:

- Discussion of Student Information System Software and Some Criteria for Choosing SIS Software/Programs
- Student Information System Software/Web-Based Programs Matrix
- A Sampling of Student Information System Software/Web-Based Programs

Though creating the Master Schedule requires substantial planning and implementation work, it is often difficult with scheduling software that is one of the biggest challenges for administrators and master schedule development teams. Even today, many of the software scheduling are primarily built for traditional schools where there are no Linked Learning pathways or college and career academies, and where it doesn't matter which section of English II or World History a student takes. Pathways add complexity and, despite the promises made in software marketing,

many student information systems are challenged by a wall-to-wall teaming approach and by the concept of common planning time for an interdisciplinary team of teachers. Thus, a crucial step in the scheduling process is researching and choosing the appropriate software and ensuring that all parties involved are properly trained. And since personnel at school sites are often mobile, recognizing that there is on-going need to train new administrators, counselors, registrars, and master schedule teams.

This resource discusses important characteristics to look for when choosing software, and the accompanying charts that follow provide examples of student information software systems that meet the scheduling needs of most pathways, academies, and smaller learning communities. A caveat is that student information software systems are constantly changing as are the companies that provide such software products. We are not recommending specific student information software systems, but are providing a list of some of the commonly used student information software systems available in 2014 -2015. This list will be updated from time to time.

In researching some of the most commonly used student information system software programs across the nation, we identified five key components necessary for scheduling pathways/academies. The student information software systems used must be able to:

- Link pathway/academy classes,
- Group pathway/academy cohorts of students,
- Schedule multiple academies/pathways,
- Allow for “blocked” scheduling of pathway classes, and
- Provide common planning time for academy/pathway teachers.

In addition, some administrators find it useful for the software to automatically build the Master Schedule, but this has both pros and cons, which we will discuss later. Others care about the ability to include student advisories or to build in a flex period. The availability of product support and continual training is an important consideration. In this vein, it is important to hire (or train) people who are proficient in navigating information technology and the student information software system particular to the District.

Key Components

Most student information system software programs are able to satisfy the five criteria, though some do so with more ease and require less esoteric knowledge than others. For example, most software will allow the scheduler to

link classes together (e.g., if a student takes American Literature, he is automatically assigned to U.S. History, which means that every American Literature class must be connected to a U.S. History course). However, if a school wants another grouping such as having the Visual Arts Academy link a drawing course with a specific math class (e.g., Algebra II), while the Biotechnology Academy would prefer to link the same math course to a chemistry class, difficulties arise. This is the point at which software programs diverge from one another.

Most student information software systems require the scheduler or master schedule team to assign unique course ID numbers to academy/pathway courses or to otherwise “tag,” “flag,” “indicate” pathway courses and pathway students. In the case of a unique course identifier, the “schedule builder” software would recognize Algebra II in the Arts Academy as a course distinct from Algebra II in the Biotechnology Academy. Other student information system software require that the master schedule team assign individual sections of Algebra II to each pathway/academy; then the software “schedule builder” software will only link those courses as assigned. Both approaches ensure that courses are linked and students are enrolled in each linked course. The ability to be able to “tag” pathway courses and pathway students is important.

Grouping students and creating cohorts is another primary concern for pathways/academies. All software programs that group students will allow them to be manually assigned to individual pathway. However, some programs will also make random assignments, which is a helpful tool for schools that have SLCs without themes and/or don't allow students to make a choice. This is most common with freshmen participating on ninth grade teams or learning communities. Once students are in a pathway cohort, many software programs will recognize that those students should then only be scheduled into certain linked courses within the pathway

In large comprehensive high schools with several pathways or wall-to-wall academies, the ability of the software to schedule multiple cohorts of students becomes increasingly important. If a program is capable of linking classes and cohorts of students, and recognizing that different cohorts should be assigned to particular sets of courses, scheduling multiple pathways is relatively simple and sometimes may be done automatically.

Block scheduling or hybrid scheduling or flex scheduling often are elements that clearly distinguish software programs from one another. Schools have developed numerous bell schedule formats, many of which use block scheduling to organize the students' school day. Most student information system software scheduling programs will allow for several combinations of scheduling, such as a 4 x 4 or a 6-period A/B. But many have limitations on the types of combinations available or require manual modifications. Thus a district that has a range of bell schedules or some sites with innovative scheduling should discuss its scheduling needs with a sales representative before

purchasing anything. In addition, schools that have more than 10 periods in a day (0-9) should look for those programs that do not place a character maximum in the period field.

Collaboration time for pathway teachers (ideally a common planning period) is one of the most difficult aspects of a pathway to schedule automatically. Most programs do not recognize that a teacher assigned to a particular academy should have the same free period as other teachers within her/his academy. Instead, programs are designed to schedule the teacher to teach, and planning time falls during whichever period is left over. Thus, the administrator must manually block off an assigned period when inputting data to build the Master Schedule. Those programs that have a Master Schedule Builder will not override a free period if it is “locked” into the schedule.

The Master Schedule Builder

Increasingly, companies offer a Master Schedule Builder or Scheduler or Scheduler Assistant either as part of or in conjunction with their normal scheduling software. Often these embedded builders involve virtual schedule boards or virtual whiteboards that resemble a spreadsheet. In order to use the Master Schedule Builder, you need to enter all of the room constraints, teacher/staff constraints, and course constraints. You also need to set terms, periods, types of day, capacity in valid courses (minimum and maximum enrollment capacities), course and teacher combinations, and more. And you need to add student requests and scheduling rules. The jury is still out on the capacity of current master schedule builders to effectively schedule interdisciplinary pathways/academies and common planning time for pathway teachers well. Indeed, in one large urban school District for which CCASN provided master schedule training, we did not find a single school that actually used the schedule builder; a few had tried, but with unsatisfactory results.

Using the builder may also mean that only one or two people are involved in the actual building process as opposed to using a large schedule board so that the entire master schedule team can readily view the Master Schedule as it evolves and provide input as needed. Depending on its flexibility and requirements, a Master Schedule Builder can also limit the master schedule team’s choices, or lead to as much or more work because it requires inputting a large amount of information.

There are solutions. Master Schedule Teams can collaboratively provide input in advance on the data to be entered into the builder. Teams can experiment with the builder, but still use the larger master schedule board as a visual representation of the schedule and as a place to make carefully considered choices and changes. There is the perfect algorithm out there for a master schedule builder that schedules pathways extraordinarily well; perhaps a pathway student will be the one to develop the perfect scheduling solution. Until then, computer savvy data managers using a

builder can save time and companies that offer a schedule builder option also provide training and manuals.

Product Support

When considering the appropriate student information system software or web-based student information system platform for your school or district, it is important to determine the type of support and training provided by the company, and whether or not the company serves your region on a regular basis. Most companies provide initial on-site support in the form of district workshops or training for individual staff. These are often the most expensive forms of training, so many districts only receive on-site support occasionally, if at all, after the initial purchase. Larger companies that serve multiple states also offer regional and national conferences several times per year. These tend to be more general, and may fail to cover issues specific to individual schools. While they can be more cost effective than asking the company to provide on-site training, they may require travel outside the local area. Another option most companies offer is technical over-the-phone or on-the-web support, which tends to be less expensive and more tailored to individual needs.

Many companies also offer regular updates of their software, which can be downloaded from their websites. Sales representatives often have information about such changes. Companies that operate in multiple states will often have regional user groups that allow sharing of information among practitioners. These groups may determine the dates and locations of upcoming trainings and can be valuable resources for learning new information regarding the software or making contacts with other schools.

Continuing Training

In the past a single person from each site was trained on the use of the scheduling software and when he or she transferred or retired, the institutional master schedule skills and memory were lost. The new scheduler learned his or her job by trial and error. And while most companies will provide workshops as needed, particularly as their software changes, in many districts new master schedule teams learn their jobs together and are assisted by master schedule mentors. As a result of a team approach to master scheduling, each site is building the knowledge, skill, and capacity of multiple educational-leaders. Several members of the master schedule team should become facile with the master schedule software or platform.

For those individuals who find themselves with no predecessors, manuals or money to attend trainings, there are still options. Many manuals can be found through a simple search on line. Regional user groups often collaborate to provide

local trainings. In addition, many information systems companies, particularly the larger ones that serve multiple states, are able to direct their clients to online user groups. These groups connect schedulers across the country, allowing them to post questions and receive informal, free training from more experienced users. Ideally, your district or consortium, too, will help to build a community of learners around master scheduling and encourage the sharing of best practices and solutions. In the immortal words of Bob the Builder, “Can we fix it? Yes, we can.”

A SAMPLING OF SOFTWARE OR WEB-BASED STUDENT INFORMATION SYSTEM PRODUCTS

ADM2000 Student System (designed for K-12 School Districts in Ohio.	Ace Software Harris School Solutions http:// www.harris-schoolsolutions.com/en/solutions/family_products/	From the Website: “Ace Software The ADM2000 Student System is Harris' Student Information System offering specifically designed for K12 School Districts in Ohio. In addition to including core functionality for tracking attendance, grades and history, the system also delivers a robust Master Schedule Builder, Report Writer, and comprehensive state reporting which is configurable to your school district's needs.” Harris' ADM2000 Finance System is also designed for K12 School Districts in Ohio. It includes all the tools you need to successfully run your business office, including: Accounting, Payroll, Personnel, Employee Kiosk, Fixed Assets, Warehouse, and the Textbook module. We have also built in all the retirement, state and federal requirements to ensure reporting compliance.”
Aeries Student	http://www.aeries.com includes Aeries online demo	Scheduling part of Aeries Integrated Student Information System includes:

Information Software System (Eagle Software)	<p>Eagle Software 10 65 N. Pacificenter Drive, Suite 400 Anaheim, CA 92806</p> <p>Technical Support 888.324.5363</p> <p>Business/Sales/Training 888.487.7555</p>	<ul style="list-style-type: none"> • <i>Interactive Schedule Builder</i> • <i>Walk-in Scheduler</i> • <i>Mass Scheduling</i> • <i>4-Year Plan</i> • <i>Master Schedule Board</i> • <i>Block Scheduling</i> • <i>Scheduling Priorities</i> • <i>Course Request Packets</i> • <i>Bell Schedule Calendar</i> • <i>Scheduling in the Current Year for Next Year</i> • <i>Saves/Restores Unlimited Schedules</i> • <i>Elementary Scheduling</i> • <i>Course Requests</i> • <i>Team Teaching</i> • <i>Teacher Recommendations</i> • <i>Highly Qualified Teacher Processing</i> • <i>Staff Credentials</i> • <i>Locator Cards</i>
Aspen SIS	<p>http://www.follettsoftware.com/student-information-system</p> <p>Headquarters: Follett School Solutions 1391 Corporate Drive McHenry, Illinois 60050-7041</p> <p>800.323.3397</p>	<p>From the Web site: "Aspen Student Information System Aspen offers much more than the standard SIS. Combining multiple databases into one powerful and cost effective learning solution, Aspen tracks class schedules, school events, overall student performance, athletic eligibility, student health records and puts unique and impressive learning tools in the hands of educators."</p> <p>Key Features:</p> <ul style="list-style-type: none"> • SIS fully integrated with LMS, Special Education, Health, • The State Reporting feature collects all

		<p>Curriculum and digital learning tools</p> <ul style="list-style-type: none"> • With Master Scheduling administrators and teachers can arrange class and event schedules that best fits the needs of the students • The health database puts student medical information in the hands of nurses and tracks individual health needs • The eligibility Report for coaches tracks player eligibility by district specific guidelines • Easy to use and navigate, giving quick access to data • Each user has a single login for the whole system 	<p>information required by state specific guidelines and prepares this information to be sent to officials.</p> <ul style="list-style-type: none"> • Equally effective in districts of all sizes • Can meet the scalability requirements of any size district • Provides access to timely, actionable data 24/7 • Generates consistent, accurate data
(Chancery SMS)	(Acquired by Pearson in 2006 Now called: PowerSchool SMS)	<p>“Pearson’s Chancery SMS is an SIF-certified Web-based student information system. Utilizing the power of the .NET framework, Pearson works with each Chancery SMS customer to seamlessly</p>	

		<p>integrate the system with other applications to meet unique customer needs. The open architecture of the Chancery SMS database provides customers with full access to the database, allowing them to tailor it to their needs without the typical constraints associated with an embedded database.</p> <p>The Chancery SMS solution includes the Chancery SMS student information system, the PowerTeacher Gradebook, the ParentCONNECTxp School-To-Home Portal and the Advanced Reporting Toolkit ETL tool.</p> <p>In addition to core capabilities provided by SIS solutions, some highlights of this solution are:</p> <ul style="list-style-type: none"> • A grading system that provides an unlimited number of grade items and flexible calculation options, which may be aligned to standards • A customization toolset that provides a simple method for robust extension of system functionality • A highly configurable portal that allows parents and students to keep up-to-date on student information • A powerful gradebook that simplifies and streamlines daily teacher tasks <p>Over the next five years, Pearson will continue to develop its products to respond to changing requirements and customer needs. Current focus areas include ensuring accuracy and timeliness of data for core administrative processes; leveraging the power of collaboration; aligning learning outcomes with academic standards, and improving the quality and efficacy of instructional content.”</p> <p>There are various topic specific Chancery manuals available on line. This is one example: Chancery SMS</p>
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		<p>Master Scheduler Builder Scheduling Structures http://idsasdoe.files.wordpress.com/2013/09/10d-master-scheduler-structures-appendix.pdf</p>
<p>CIMS Student Systems Application</p>	<p>http://hammer.net/template.asp?nav_id=96 Wiedenhammer 866-920-2467 (Hotline CIMS Support) Corporate: 935 Berkshire Boulevard Reading, PA 19610 (610) 378.1149</p> <p>Other locations: Bethlehem, PA; Lancaster, PA; Philadelphia, PA; Kalamazoo, MI, Denver, CO; and Mesa, AZ</p> <p>The Mesa, Arizona location provides the primary CIMS Support 1.866.920.2467 (hotline –CIMS Support) Phone: 1.480.558.2030</p>	<p>From the website: “A centralized, comprehensive student management system, CIMS Student offers districts an accurate, flexible and secure platform to manage their student data. A modular application that runs on IBM's iSeries, the system's modules include student information, grading, attendance and scheduling. To ensure that CIMS Student meets your changing needs, the system allows you to define, track and report virtually unlimited amounts of additional information for individual and groups of students via its TAGs functions. In addition, reporting is exceptionally easy, as districts may extract information utilizing flexible report writers.”</p> <p>Student Management System™ (SMS) Module SMS allows districts to maintain all types of demographic data, including home information, discipline records, emergency data, immunizations, course requests and more. Districts may also transfer and promote students online instantly.</p> <p>Student Grading System™ (SGS) Module SGS automates comprehensive student and academic information. Student grades, teacher comments, course credit histories, G.P.A.s and class rankings can be tracked and provided to parents, students and other educational institutions. Grades can be alpha, numeric, plus/minus, short word or percents, and can be printed on report cards or transcripts. The module also allows grades to be entered quickly via scanners or the Web, and generates various reports with the Grading Report Writer.</p>

		<p>Student Scheduling System™ (SCH) Module</p> <p>SCH allows you to automatically schedule student groups or individuals online and lets you print student schedules and class rosters. Schools may define their own course codes, linked courses, balancing factors, electives and alternate course parameters. Requests can be scanned, entered via the Web, or entered by keyboard, and the automatic Resource Allocator helps build a master schedule. A variety of reports, including the Potential Conflict Report, help determine schedule validity.</p> <p>Student Attendance System™ (SAS) Module</p> <p>SAS enables each school to define its own terms, periods, entry and withdrawal codes, absence reasons and membership calculations. Attendance can be managed on a period-by-period, half-day, full-day or select-period basis. Absences can be recorded by period, teacher, homeroom, course, range of periods, range of dates or via custom-defined parameters. For enhanced ease and efficiency, absences may be entered via keyboard, the Web, or scanner, and information may be retrieved with the flexible Student Report Writer.</p> <p>Weidenhammer is also used by many districts for finance, payroll, and human resources software solutions.</p>
ESchoolPlus	<p>SunGard https://support.sungardps.com/K12 866.905.8989</p> <p>SunGard K-12 Education Office Locations: ○ 3 West Broad Street, Bethlehem,</p>	<p>From the Website: “K-12 student information system for school districts that are looking for:</p> <ul style="list-style-type: none"> • 100% Web-Based Technology • Highly-Configurable Functionality • Efficient Process Notifications • Comprehensive Regulatory Reporting

	<p>PA 18018</p> <ul style="list-style-type: none"> ○ 15 Eaton Road, Chino, CA 95973 ○ 5010 Ritter Road, Mechanicsburg, PA ○ 3555 Veterans Memorial Highway, Suite F, Ronkonkoma, NY 11779 	<ul style="list-style-type: none"> • A Proven K-12 Student Information System <p>School and district administrators, staff and board members can now easily access and manage student information.”</p> <p>“Tools for Managing Student Information</p> <ul style="list-style-type: none"> • Student Administration – Easily manage day-to-day student administration and information such as demographics, scheduling, attendance, discipline, standardized tests, report cards, and transcripts. • Teacher Gradebook – Provides teachers with an integrated gradebook, assignment and attendance management system as well as the ability to easily communicate with parents. • Home Access – Provides parents the ability to be more informed as to their child’s grades, attendance, assignments and discipline information. • Enrollment Online – Provides parents with the ability to register their children online and provides administrators with data validation that eliminates data entry errors and streamlines the enrollment process. <p>Mobile Access – Access and manage student information via your iOS or Android device.”</p>
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<p>Infinite Campus</p>	<p>http://www.infinitecampus.com</p> <p>Corporate Headquarters Infinite Campus, Inc. 4321 109th Avenue NE Blaine, MN 55449</p> <p>Email sales@infinitecampus General Inquiries Info@infinitecampus.com</p> <p>*00.850.2335</p>	<p>From the website: “Managing 6.5 Million Students in 43 States.” “We’re a different kind of student information system.”</p> <p>Our core beliefs and vision drive our mission of Transforming K12 Education[®]. We're working hard to deliver the best student information system on the market while keeping true to our mission. We take pride in our products and services because they satisfy the current needs of K12 education while allowing our customers to take that crucial, inevitable next step towards the future of education.”</p> <p>“Scheduler is designed to be an integral component of Infinite Campus SIS. Directly interact with the wealth of information in the Campus database from within the new Course Planner and Staff Planner, eliminating the need to flip back and forth between the Schedule Wizard and the regular SIS GUI.”</p> <p>Key Functionality: “Course Planner allows set up of course rules and course-to-teacher, course-to-room, and course placement constraints for individual or multiple courses via a single color-coded interface that lets the user see and avoid conflicts in real time.</p> <p>Specify teacher-to-course, teacher-to-room and teacher placement constraints, for one or for many, from a single interface:</p> <p>Block out part-time teachers from contract-off or prep periods</p> <p>Organize display by alphabetical order, department, or both</p> <p>Mass Edit Course Info allows the user to mass set course values like terms, schedules, periods, and other information from a single interface. The user can set values based on existing information or new requirements and update all Course tab scheduling data without leaving the Schedule Wizard.</p> <p>Mass Edit Course Placements allows the user to mass block course</p>
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		<p>placements and keep them from occurring at the wrong times.</p> <p>Replace/Append/Delete existing constraints allow the user to start fresh or keep what was working by course or in mass.</p> <p>Establish course priorities including type, grade-level and singletons (the scheduler defaults to loading by grade)."</p>
<p>Modular Management Systems for Schools (Any State) Also International: Canada, Mexico</p>	<p>Modular Approach: Software can grow with school; do not need to purchase all components at once. Software can be purchased; perpetual licensing; online subscription</p> <p>888-685-4046 guy@cri-mms.com</p>	<p>From the Website:</p> <p>Office Portal: Fully-Integrated Student Information System: MMS is your efficient and reliable source for up-to-the-minute student information for your staff. MMS's powerful integrated database lets you handle all daily operations of your school: entering new enrollments, monitoring average daily attendance and sending daily bulletins, tracking student progress, printing detention lists, keeping lunch lines moving, processing adds/drops, conveying school-to-home communication, district-wide ad-hoc data querying, and using data to direct your decisions. MMS makes it easy for you to update, share, and use student information to help increase achievement.</p> <p>Customizable Every school has unique requirements, and operates differently.</p>

		<p>MMS provides a highly customizable and flexible platform, where you can tailor everything from data-entry screens to reports and more. Our easy-to-use custom report writer creates reports, labels, graphs, and spreadsheets.</p> <p>Create Your Master Schedule Create master schedules using our automatic, interactive and walk-in schedule builders. Produce standard schedules or team, block, rotating, term, quarter schedules, as well as many other alternative term configurations. Create schedules for students, teachers, and rooms. Track course adds, drops, replacements, and notify your staff of changes.</p> <p>Grades, GPA, and More MMS helps you to maintain your course-based or standards-based grades, produce progress reports, analyze your grades, print report cards to track progress towards graduation, and generate permanent transcripts. MMS streamlines the process of analyzing assessment results for the entire student population and viewing each student's entire K-12 history.</p> <p>Progress Tracking Through MMS reporting, you can track academic progress within district, school, and population subgroups. Generate interim tracking reports, test achievement reports, average daily attendance and membership, disciplinary incidents, and other issues that may affect achievement. Identify learning patterns for individual students, classes, schools, and entire districts.</p> <p>State Reporting MMS helps to ensure that your state department of education</p>
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		reporting requirements are met. MMS provides you with state-specific editors, reports, and export procedures that are pre-loaded with the required formatting as specified by your DOE. We offer solutions for: AK OASIS, CT PSIS, IL ISBE SIS, IN ISTEP+, MA (SIMS, EPIMS & i-Transport) , ME MEDMS, MI MSDS, NH I.4.SEE , NJ SMART & ASSA , PA PIMS , RI , and VT.”
PowerSchool, Power School SMS	http://www.pearsonschoolsystems.com Pearson School Systems Sales 877.873.1550 Master Schedule Building Workshop (MSBW) 877.873.1550	<p>From the web site: “PowerSchool is the fastest-growing, most widely used web-based student information system, supporting 12 million students in all 50 states and over 65 countries. PowerSchool enables today's educators to make timely decisions that impact student performance while creating a collaborative environment for parents, teachers and students to work together in preparing 21st century learners for the future.”</p> <p>“PowerScheduler Consider for a moment a large high school with three thousand students. How do we create an efficient school schedule that not only fulfills the most student course requests, but also takes into account a multitude of constraints such as multi-day rotation, room capacities, resource management, teacher prep-periods, student scheduling priority, etc. At Pearson, we recognize that today's high schools are increasingly dynamic and accommodating such that no single person could be expected to manually create a school schedule that meets everyone's needs. With PowerScheduler, our time-tested algorithm does all of the heavy lifting. Once you've entered all the characteristics of your school, you simply click submit and PowerScheduler will process, optimize, load, and reload the permutations of schedules until the most efficient schedule possible is produced.”</p>

		<p><u>Parameters:</u> Buildings, Catalogs, Days, Departments, Facilities, Houses, Periods, Section Types, Teams, Years & Terms</p> <p><u>Processing:</u> Auto Scheduler Setup, Scenarios, Load, Automated Study Hall, Commit</p> <p><u>Requesting:</u> Course Groups, Screen Setup</p> <p><u>Resources:</u> Constraints, Courses, Rooms, Students, Teachers</p> <p><u>Schedule:</u> Master Schedule, Sections</p> <p>Tools</p> <p>About PowerSchool SMS</p> <p>“Formerly known as Chancery SMS, PowerSchool SMS is the leading web-based student information system designed to meet the unique needs of large, urban K-12 districts. The award-winning PowerSchool SMS student information system provides districts with the tools and capabilities they need to create a powerful framework for student achievement.</p> <p>A Total Solution</p> <p>For today's large urban district, the prospect of migrating all schools to a new student information system is a daunting challenge that can only be met by a company with the experience and manpower to shoulder such a massive responsibility. PowerSchool SMS is an extremely reliable and flexible solution that is shaped around the unique needs of each and every district. No two implementations look the same. Special care is taken to fully analyze the needs of the district and a solution is engineered that will mitigate risks and guarantee success throughout each project phase.”</p> <p>Features: Online Course Requests</p> <p>“PowerSchool SMS and ParentCONNECTxp provide powerful functionality for school administrators, teachers, counselors,</p>
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		<p>parents and students! School administrators have the flexibility to decide what the workflow will be for managing online course requests. They can give parents the ability to approve their child's course requests online through ParentCONNECTxp. Counselors can make adjustments to student course requests and also approve them in PowerSchool SMS. Teachers and counselors can make course recommendations to their students as they work with them to meet their graduation requirements. School administrators and counselors have access to built-in verification reports to help manage their workflow. All of this functionality is presented through an intuitive user interface, which includes quick searches and drag-and-drop capability.”</p> <p>“Scheduling for the upcoming school year in PowerSchool SMS is facilitated through a system of Planning Calendars in the core system. This means there is no separate database or system to access or maintain: everything is done in the same system and database that users are accustomed to accessing. Students are dynamically promoted to the correct school and grade level for the upcoming year in the Planning Calendar, as students enter or leave the district during the active year, the Planning Calendars are dynamically updated to reflect the accurate student population for the upcoming year. An unlimited number of scheduling scenarios can be maintained within the Planning Calendar, with each scenario able to copy any subset of elements from a previous scenario when necessary.”</p>
Scheduling Plus	Rediker Software, Inc. 2 Wilbraham Road Hampden, MA 01036	<p>Class Scheduling Software</p> <p>From the website: “Software for Fast and Powerful School Scheduling</p> <p>Our Scheduling Plus software for scheduling and master schedule</p>

	<p>Support: 800.882.2994 Sales: 800.213.9860</p>	<p>building offers both simplicity and comprehensive results. Scheduling Plus is the easiest and most reliable scheduling software on the market. Additionally, your school can easily and quickly make schedules available online for parents and students using our school web portal ParentPlus.”</p> <p>“Scheduling Plus Features:</p> <ul style="list-style-type: none"> • Flexible scheduling options let you build virtually any type of schedule. • Powerful Super Deluxe Schedule Builder • Easily view, edit and print student schedules. • View student schedules while accessing their information in other modules at the same time. • Enter course requests online, manually or with a scanner. • Amazing automatic student scheduler. • Step-by-step menu to guide you through the scheduling process. • Creates the most evenly-balanced sections possible. • Reports and tools to easily resolve scheduling conflicts. • Email students their class schedules in grid or line format using our Email module. • Online schedules: Using our ParentPlus school web portal, put class schedules online. • Built-in report writer lets you print sign-up sheets, course request verification forms, manual or scanned course request forms and more. • Design your own documents or save time with our ready-to-use templates. • Create numerous reports to facilitate scheduling, including <i>master schedule of requests, tally reports, course master lists, partial scheduling reports</i> and more.
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		<ul style="list-style-type: none"> • Print schedules in line and grid formats on paper, index stock or Rolodex cards. • The finest Master Schedule Builder software available.” <p>“Super Deluxe Schedule Builder Super Deluxe Schedule Builder is the most powerful schedule builder on the market:</p> <ul style="list-style-type: none"> • Graphical scheduling console with running "scoreboard". • Option to build your schedule automatically or interactively. • Let it run overnight! It will compare combinations to find the best possible schedule. • Build schedules for both semesters at once. • Minimize conflicts. • Include teacher pools, time pools, and room pools in the schedule building process. • Automated optimization process. • Speed schedule to integrate new kids. <p>Automatic section balancing.”</p> <p>See additional information about scheduling resources on the website. https://www.rediker.com/class_scheduling_software.html</p>
Schoolmaster Schedule Builder Solution	<p>Corporate HQ Tyler Technologies 5101 Tennyson Parkway Plano, Texas 75024</p> <p>schoolmaster@tylertech.com 1.800.733.0922</p>	<p>From the website: “At Tyler, we understand how complex and intricate it can be to create schedules. No matter the size of your campus, you can simplify the scheduling process with our Schoolmaster Schedule Builder application.</p> <p>With Schoolmaster it’s as easy as entering the necessary parameters — including teacher and course specifications — and then Schoolmaster will go to work creating your master schedule</p>

		<p>and then schedule your students. And with convenient features, including our powerful Single-student Scheduler, you can even make last-minute changes to resolve conflicts and schedule new students quickly and easily.</p> <p>Harness the Power — and Ease As you know, schedule changes can have a domino affect, as each change affects class counts, grading and even attendance reporting. But Schoolmaster keeps track of all this — making it easy to change schedules by roster or student schedule. You can even display both at the same time.</p> <p>Schoolmaster gives you a highly flexible scheduling system that includes:</p> <ul style="list-style-type: none"> • Current and future schedules • Up to 32 periods / 10 days / 16 terms • Full-year scheduling • General and specific alternates • Instructor and term preferences • Master Schedule Builder • Easy schedule changes • Single Student Scheduler”
SME (formerly SchoolMax)	<p>Harris School Solutions http://www. Harris-schoolsolutions.com/en/ 1.866.450.6696</p> <p>“Harris School Solutions is a division of Harris Computer Systems, which was formed in 1976 and became a fully owned subsidiary of Constellation Software Incorporated in 1996. Constellation Software Inc. (CSI) is an international provider of market leading</p>	<p>“SME is the latest and most comprehensive centralized web-based system on the market today. With a district-wide enterprise approach to accessing and managing student information, SME is truly a revolutionary system for educators. The core features of SME:</p> <ul style="list-style-type: none"> • Student Information • Census • Scheduling • Grade Reporting • Daily and Hourly Attendance • Graduation Standards

	<p>software and services to a select number of industries, both in the public and private sectors. The mission of CSI is to acquire, manage and build market-leading software businesses that develop specialized, mission-critical software solutions to address the specific needs of our particular industries.</p>	<ul style="list-style-type: none"> • Testing • Special Education • Case Management • Discipline • Health • State Reporting • Textbook Management • Fee Administration • Gifted and Talented Education (GATE) • Counseling • Career Technical Education (CTE) • Family Portal • Teacher Portal • Substitute Portal <p>Why SME?</p> <p>You need a usable, flexible and easily managed system. SME delivers this with:</p> <ul style="list-style-type: none"> • • Real-time and online access to your information and reports • Dashboard capabilities to tailor your configuration of content and functionality • A rules engine allowing the system to adjust to your unique business processes • Integration to your existing legacy systems utilizing SIF • Role-based security for your users • Census-based demographics making it easy to track students and families across schools, dwellings and enrollment areas, and • Scalability for your school district from the smallest to the
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		<p>largest, even state-wide</p> <ul style="list-style-type: none"> • User created fields, code tables and entire pages that can be used for in all modules and for all types of reporting. • New Teacher GradeBook • Updated Fees Module • Combination Grading allows Regular Grading and SBG at same school”
Solstar Student Scheduling System	<p>M & J Data Solstar Student Scheduling Software 6633 Morganford Road Charlotte, North Carolina 1-800-752-2236</p> <p>Mjdata.com</p>	<p>From the website: “The heart of Solstar’s Student Scheduling System is its ability to generate a Master Schedule. By combining the known quantities of Course offerings, Teacher abilities, Student requests and Class room availability, we are able to quickly and repeatably generate Master Schedules that can handle up to 1500 courses, 500 teachers and 6000 students.”</p> <p>“The major advantage of Solstar is that Solstar runs on a personal computer. It is easy to convert files of Socrates to import them into Solstar. Once the data from Socrates is imported into Solstar, the user can run the sectioning many times without going back to the mainframe. Solstar also provides the ability to generate a master schedule, which was not normally a part of Socrates. Instead of waiting for the mainframe to generate the sectioning and the reports, Solstar provides the user with almost instantaneous results. A sectioning run for a school with 2500 students takes approximately 3 minutes to run.</p> <p>Once the sectioning run is completed to the satisfaction of the school, the data can be exported from the personal computer back to the mainframe. The mainframe can provide WEB ACCESS to the information so that students, parents, and teachers can view the results.”</p>

		<p><i>There are many other features available in SOLSTAR Student Scheduling System. Some of the features are listed below:</i></p> <ul style="list-style-type: none"> <i>• Using Information about your school, SOLSTAR builds a comprehensive Master Schedule of all your course offerings.</i> <i>• Student schedules are generated by comparing their requests to SOLSTAR Master Schedule.</i> <i>• Schedules can be adjusted or students can be completely scheduled on-line at any time after the normal scheduling has been completed. you can also add new students any time throughout the year.</i> <i>• Reports evaluate the scheduling results: showing student schedule conflicts and rejects with reasons. The reports display Teacher and Room use.</i> <i>• The system is designed for the administrator to select from a number of options in many areas to make the software suit the needs of the school. The many options available within SOLSTAR allow it to be flexible enough to handle most situations within your school system.</i> <i>• Many different scheduling techniques can be practiced with SOLSTAR such as 4 X 4 and Block Scheduling along with Blind Teaming to mention a few.</i> <i>• Students are allowed to make specific requests for classes, rooms and/or teachers. Students can be scheduled to those specific requests if the scheduling options are so defined.</i> <i>• classes may be restricted in a number of areas such as student ability, grade, and sex.</i> <i>• Classes may be balanced by sex, ethnic group or total seat count.</i> <i>• Classes may be link-related so students will be scheduled to all or none of those requested.</i> <i>• The scheduling system supports alternate, required elective</i>
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		<p><i>and optional requests.</i></p> <ul style="list-style-type: none"> • <i>Keeps track of and prints teacher and room schedules just as you would a student's; Mainframe and PC version available.</i> <p><i>The Solstar Scheduling System consists of two parts. The Resource Allocation System and the Student Scheduling System. The Resource Allocation System accepts the various resources:</i></p> <ul style="list-style-type: none"> • <i>Rooms</i> • <i>Teachers</i> • <i>Courses</i> <p><i>Based upon Student Requests generates a Master Schedule. The Student Scheduling System prepares the student schedules by matching course requests for each student to the Master Schedule of class offerings. Options can be defined so the system will attempt thousands of combinations for each student in order to generate the optimum schedule for that student. The scheduling algorithm is the most efficient and accurate available.</i></p> <p><i>The Student Scheduling System is user friendly. All of the screen and report terminology was developed by system users and functions are consistently used to make selections and to move from screen to screen. These and other features have substantially reduced training time for all of SOLSTAR users."</i></p>
Synergy	<p>Edupoint salesinfo@edupoint.com 480.633.7500</p> <p>Online Synergy Product Tour, Success Spotlights, White Papers.</p> <p>Support Phone: 877.899.9111</p>	<p>From the website: "Synergy offers the industry's richest SIS feature set, plus a highly customizable framework, including workflows, to meet your district's individual needs. Streamline processes, automate state reporting and simplify administrative tasks district-wide."</p> <p>School Office Administration "Synergy® enables efficient management of all aspects of student</p>

	<p>California Office: 101 Pacifica, Suite 240, Irvine, CA 92618 Phone: 949.458.0900</p> <p>Offices in Arizona, California, Massachusetts, Michigan, Maryland, Utah, and Virginia</p> <p>Founded in 1998; launched Synergy Special Education in 2003; Launched Synergy SIS in 2005; Launched first mobile app in 2010; launched Synergy LMS in 2011</p> <p>4000 schools served; managing data for many of the country's largest 100 districts user community- 6 million</p>	<p>data. With online registration, address and boundary validation, concurrent enrollments, and intra/inter-district transfers, student enrollment data is always accurate.</p> <p>Flexible administrative features make it easy to track attendance (daily, period, half-day, positive), and built-in tools simplify sharing information with parents. Multi-language support for parent portals, letters, report cards, and custom reports is available through full integration with MSWord.</p> <p>Synergy tracks all health and immunization information, ensuring state compliance. A robust discipline module allows teacher referrals, custom discipline workflow (including bullying prevention), and timesaving features that make reporting and tracking discipline incidents easy with mobile devices.</p> <p>Simplify report card processing, choosing from traditional or standards-based options, ensure accuracy of transcripts, and make it easy for counselors as well as students and parents to track progress toward graduation requirements. Other features manage emergency contacts, free and reduced meal applications, ELL data, GATE, special programs, summer school and afterschool programs, athletic eligibility, lockers, and much more."</p> <p>Robust Visual Scheduling</p>
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Edupoint FILE EDIT VIEW Hope High School - First Try View: Left: 1

2,717 of 2,742 (99.1 %)

COURSE	1	2	3	4	5
Aerospace Science	(0 of 25)	(0 of 0)	(0 of 5)	(0 of 2)	(0 of 0)
Agricultural Science	(30 of 48)	(2 of 32)	(0 of 0)	(0 of 0)	(0 of 0)
Animal Sci	Mendoza, ... 5 of 38				
Expt Agric	Sargent 1 of 10				
Landscape Dsm I		Mendoza, ... 2 of 32			
American History	(31 of 67)	(40 of 123)	(45 of 112)	(22 of 58)	(28 of 85)
Art	(92 of 110)	(89 of 110)	(80 of 100)	(69 of 82)	(95 of 112)
Adv Ceramics					
Adv Drawing					
Adv Jewelry					
Adv Photo					
Beg Ceramics		Blahak P, 23 of 28		Blahak P, 25 of 28	Blahak P, 25 of 28
Beg Drawing	Gunn 27 of 30				Gunn 28 of 30
Beg Jewelry	Sullivan 23 of 26	Sullivan 22 of 26	Sullivan 22 of 26	Sullivan 23 of 26	
Beg Photo	Schubert 19 of 28		Schubert 19 of 28	Schubert 21 of 28	Schubert 19 of 28
Int Ceramics			Blahak P, 15 of 28		
Int Drawing		Gunn 34 of 38			

Synergy's comprehensive scheduling components satisfy even the most unique scheduling requirements, easily supporting teams and blocks, multi-day rotations, and planning periods.

Mass Scheduling optimizes an unlimited number of scheduling runs based on customer-defined parameters and provides an easy way to mass assign or mass edit scheduling data.

ClassBoard provides visual drag-and-drop scheduling for those used to the more traditional whiteboard schedule, highlighting conflicts.

Or use the Master Schedule Builder and have it do the hard work for you – managing course requests, staff, qualifications, room resources, and balancing criteria – to produce the most efficient schedule possible. Manipulate multiple scheduling runs simultaneously, and define scheduling parameters to match the needs of each school.

The Walk-In Scheduler makes mid-year schedule changes a breeze,

		<p>bringing all needed information together on one screen. Schedule changes can be accomplished in three clicks – simply uncheck the class to be dropped, check the selected class to enroll the student, and save and print the schedule. It's that easy.</p> <p>Online course requests with "intelligent validation" against prerequisites and graduation requirements ensure students are on track to graduate.</p> <p>Includes: "School Office Administration, Customizable Dashboards, Common Core Support, Streamlined State Reporting, Robust Visual Scheduling, Student Performance Analysis, Collaboration Tools, Powerful Query and Reporting (325+ Standard Reports; Traditional or Standards-Based Gradebook; ;Online Assessment; Mobile Apps for Every User Type; Flexible and Customizable to Match District Needs."</p>
<p>CIMS Student Applications [Student Scheduling System™ (SCH) Module]-- Nationwide (Primarily</p>	<p>http://hammer.net/template.asp?nav_id=96 Wiedenhammer 866-920-2467 (Hotline CIMS Support) Corporate: 935 Berkshire Boulevard Reading, PA 19610 (610) 378.1149</p> <p>Other locations: Bethlehem, PA; Lancaster, PA; Philadelphia, PA; Kalamazoo, MI, Denver, CO; and Mesa, AZ</p> <p>The Mesa, Arizona location provides the primary CIMS Support 1.866.920.2467 (hotline –CIMS Support) Phone: 1.480.558.2030</p>	<p>From the website: "A centralized, comprehensive student management system, CIMS Student offers districts an accurate, flexible and secure platform to manage their student data. A modular application that runs on IBM's iSeries, the system's modules include student information, grading, attendance and scheduling. To ensure that CIMS Student meets your changing needs, the system allows you to define, track and report virtually unlimited amounts of additional information for individual and groups of students via its TAGs functions. In addition, reporting is exceptionally easy, as districts may extract information utilizing flexible report writers."</p> <p>Student Management System™ (SMS) Module SMS allows districts to maintain all types of demographic data,</p>

CA, IL, MI)		<p>including home information, discipline records, emergency data, immunizations, course requests and more. Districts may also transfer and promote students online instantly.</p> <p>Student Grading System™ (SGS) Module SGS automates comprehensive student and academic information. Student grades, teacher comments, course credit histories, G.P.A.s and class rankings can be tracked and provided to parents, students and other educational institutions. Grades can be alpha, numeric, plus/minus, short word or percents, and can be printed on report cards or transcripts. The module also allows grades to be entered quickly via scanners or the Web, and generates various reports with the Grading Report Writer.</p> <p>Student Scheduling System™ (SCH) Module SCH allows you to automatically schedule student groups or individuals online and lets you print student schedules and class rosters. Schools may define their own course codes, linked courses, balancing factors, electives and alternate course parameters. Requests can be scanned, entered via the Web, or entered by keyboard, and the automatic Resource Allocator helps build a master schedule. A variety of reports, including the Potential Conflict Report, help determine schedule validity.</p> <p>Student Attendance System™ (SAS) Module SAS enables each school to define its own terms, periods, entry and withdrawal codes, absence reasons and membership calculations. Attendance can be managed on a period-by-period, half-day, full-day or select-period basis. Absences can be recorded by period, teacher, homeroom, course, range of periods, range of dates or via custom-defined parameters. For enhanced ease and efficiency,</p>
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		<p>absences may be entered via keyboard, the Web, or scanner, and information may be retrieved with the flexible Student Report Writer.</p> <p>Weidenhammer is also used by many districts for finance, payroll, and human resources software solutions.</p>
Zangle	<p>http://www.zangle.com</p> <p>According to information available on line and interviews with District Information Technology personnel and Linked Learning Directors/ Coordinators, Zangle went out of business in 2010. NOTE: Some Linked Learning districts were still using Zangle in 2013-2014 or using both Zangle and the information system they were transitioning to, but without a company's technical assistance support for Zangle.</p> <p>Aequitas Solutions, Inc. 7365 Carnelian Street, Suite 208, Rancho Cucamonga, CA 91730</p> <p>1.902.946.1800</p>	<p>Zangle Handbook: Initial Master Schedule Construction https://old.sandi.net/zangle/masterschedule/downloads/Master%20Builder%20Handbook%20v1.4.pdf</p> <p>Services include: Infrastructure Consulting, Implementation & Training, Support Services, Custom Development</p> <p>From the website: "Our next generation Enterprise Student Management Solution. Q uses state of the art technology to deliver a fast, interactive and intuitive fully web-based application experience to end-users. Q works to proactively provide information to users not just data."</p> <p>Scheduling</p> <ul style="list-style-type: none"> Request Management and Request Editor Career Plans Classroom Editor Walk In Scheduler Teams Master Schedule Editor Course Catalog (Editor) Schedule Loader Course Linking Supports rotating, mosaic, and block scheduling

**A Sampling of Student Information System Software or Web-Based
Student Information Systems Used in
LINKED LEARNING DISTRICTS, including Linked Learning Pilot Districts**

Antioch Unified School District Antioch, California	ESchoolPlus
Carlsbad Unified School District Carlsbad, California	Aeries
East Side High School District San Jose, California	Infinite Campus
Folsom Cordova Unified School District	PowerSchool
Grossmont Union High School District El Cajon, California (establish in 1920, encompasses 468 square miles; cities of El Cajon, Santee, Lemon Grove, most of La Mesa, small portion of city of San Diego, and unincorporated areas of Alpine, Dulzura, Jamul, Lakeside, and Spring Valley)	Infinite Campus
Houston Independent School District Houston, Texas	Chancery SMS
Mount Diablo Unified School District Concord, California	Aeries

(Encompasses 150 square miles and serves the cities of Concord and Clayton, as well as most of Pleasant Hill and portions of Walnut Creek, Pittsburg, Layette, and Martinez, and unincorporated areas including Pacheco, Clyde, and Bay Point.	
Oakland Unified School District Oakland, California	Aeries
Oceanside Unified School District Oceanside, California	Aeries
Palmdale School District Palmdale, California	Infinite Campus
Pasadena Unified School District Pasadena, California	Aeries
Sacramento City Unified School District Sacramento, California	<p>Infinite Campus</p> <p>February 2014 – “The Sacramento City Unified School District (SCUSD), located in California’s state capital of Sacramento, has selected Infinite Campus as their district-wide student information system (SIS). Serving nearly 48,000 students, SCUSD will now have the capability to ensure proper student record keeping that supports student and academic program needs.</p> <p>“SCUSD went through a very thorough RFP process that included full-day demonstrations from each of the finalists. In an attempt to keep up with the constantly changing world of information technology, SCUSD is shifting from using technology as a tool for student information consumption to using</p>

	<p>technology more creatively, such as demonstrating what students know as a result of their instructional activities. Infinite Campus provides us with the tools to accomplish to this,” says Terry Kritsepis, SCUSD Assistant Superintendent of Information and Education Technology.</p> <p>Infinite Campus is a district-wide single solution that provides monthly product enhancements at no additional charge. This way, SCUSD will keep current of changes in technology, classroom management and reporting requirements.”</p>
<p>San Bernardino City Unified School District San Bernardino, California</p>	Aeries
<p>San Diego Unified School District San Diego, California</p>	PowerSchool
<p>West Contra Costa Unified School District Richmond, California (In addition to Richmond, WCCUSD also includes the cities of El Cerrito, San Pablo, Pinole, and Hercules and the unincorporated areas of Bayview-Montalvin Manor, East Richmond Heights, El Sobrante, Kensington, North Richmond, and Tara Hills.)</p>	PowerSchool