

SONORAN SCIENCE ACADEMY-

DAVIS MONTHAN



REPLICATION APPLICATION

Applicant Name Sonoran Science Academy-Davis Monthan

Proposed School Name Sonoran Science Academy-Davis Monthan

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I certify all information contained in this application is complete and accurate, realizing that any misrepresentation could result in disqualification from the pilot application replication process or revocation after award. I understand that incomplete applications will not be considered.

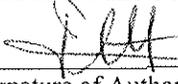
The pilot application replication applicant acknowledges that he/she has read all Arizona statutes regarding charter schools and that, if approved, he/she is subject to and will ensure compliance with all relevant federal, state and local laws and requirements.

The pilot application replication applicant acknowledges that if approved to operate a charter school, he/she must execute a charter contract with the Arizona State Board for Charter Schools within twelve months of the date of approval of the charter by the Arizona State Board for Charter Schools. A charter that is not timely signed expires.

The charter holder must begin providing educational services within twelve months of execution of the contract or within twenty-four months of approval of the charter, whichever date occurs later. Failure to do so may result in termination of the contract and revocation of the charter.

The pilot application replication applicant acknowledges that if approved to operate a charter school, the applicant must provide the minimum number of days of instruction as defined in A.R.S.15-341.01 within the State’s fiscal year that begins July 1st and ends June 30th. Failure to do so may result in revocation of the charter.

Ercan Aydogdu
 Authorized Representative
 (please print)


 Signature of Authorized Representative

04/08/2009
 Date

All information presented in this application becomes part of the charter contract and may be used for accountability purposes throughout the term of the charter contract.

Replication Application

Entity Information Sheet

Daisy Education Corporation dba Sonoran Science Academy (SSA)

Name of Current Charter Holder

(This may be a public body, private person or private organization A.R.S. 15-183.B.3)

Sonoran Science Academy-Davis Monthan

Name of Proposed Charter School _____

New School

Converted School

Authorized Representative for Applicant Ercan Aydogdu

(This may be the individual applicant or an individual authorized by the corporate board)

Authorized Representative Mailing Address 6880 E Broadway Blvd

City Tucson State AZ Zip 85710

County Pima E-mail: eaydogdu@sonoranacademy.org

Day Time Phone: (520) 342-9896 Fax: (520) 751-2451

Form of Organization

When listing the names of corporate principals and members of the organization, provide the charter name and sponsor if the individual has ever applied for a charter before:

- Non-Profit Corporation
- For-Profit Corporation
- Sole Proprietorship
- Tribal Entity
- Other _____

Member Name(s)	Charter Name(s)	Sponsor
Abdullah Yilmaz	SSA	ASBCS
Metin Yildirim	SSA	ASBCS

The governing body of a charter school is responsible for the policy decisions of the school. Please indicate the make-up of this body below.

Governing Body (Body responsible for the policy decisions of the school.) (A.R.S. 15-183.E.8)				
Member Type	Number	Name	Name	Name
Corporate	4	Abdullah Yilmaz	Metin Yildirim	Ismail Araci
School Staff				
Parents				
Community				
Other (con't of corporate)		Mehmet Baysal		

Population/Facility Sheet

Mission Statement: (use only this space)

The mission of Sonoran Science Academy-Davis Monthan (SSA-DM) is college preparation for students to achieve success in the high-tech community of the new millennium through a science and math instructional program that includes high educational standards, a liberal arts foundation and meets individual student needs to compete successfully in a global technological society upon graduation.

Year 1= 2009-10 Year 2= 2010-11 Year 3= 2011-12	Grades Served Please circle all grades being taught	Total Number Served Enrollment cap at all campuses and in all grades combined	Sites Number Operating
Year 08-09 1	K 1 2 3 4 5 <u>6</u> <u>7</u> <u>8</u> 9 10 11 12	250	1
Year 09-10 2	K 1 2 3 4 5 <u>6</u> <u>7</u> <u>8</u> 9 10 11 12	350	1
Year 10-11 3	K 1 2 3 4 5 <u>6</u> <u>7</u> <u>8</u> 9 10 11 12	400	1

*The addition of grades would require an amendment request after the approval and signing of the contract

School Calendar

- Standard Extended School Year Instructional Days 180 days
 Alternative (please describe in 5 words or less) Target Start Date August 17, 2009

Complete the following information for each site indicated above. If planning more than one site, attach an additional page with the following information.

Please provide specific boundary information (e.g. targeted 10 mile radius) on the planned location for your school:

Davis Monthan Air Force Base
 5741 Ironwood Building 623
 Tucson, AZ 85708

Number of classrooms, offices, etc. necessary, along with total square footage to implement your program as described:

18 classroom, 4 offices, 1 activity room, 1 Multi-purpose room, and about 35618 square feet

If facility arrangements have been made, provide the information below:

Site Name: Sonoran Science Academy-Davis Monthan

Site Address: 5741 Ironwood, Buiding 623

City: Tucson Zip Code: 85708 County: Pima

Program of Instruction and Curricular Emphasis

The mission of Sonoran Science Academy (SSA) is college preparation for students to achieve success in the high-tech community of the new millennium through a science and math instructional program that includes high educational standards, a liberal arts foundation and meets individual student needs to compete successfully in a global technological society upon graduation.

Sonoran Science Academy- Tucson believes every child can be successful in the classroom. Many students come to our school because they are unable to move ahead to a more challenging curriculum in their attendance area schools. Therefore, the child has often become bored and doesn't enjoy school. We are able to provide a challenging curriculum for these students and at the same time offer intervention courses other students might need to become successful. Sonoran Science Academy- Tucson (K-12) curriculum emphasizes Math, Science, Technology, and Liberal Arts. By offering advanced courses in elementary and middle school and honor and AP level courses in high school, students, upon graduation, are able to compete successfully with their international peers in these areas. In addition, students train to compete in Math, Science and Technology Olympiads and competitions. We have also implemented Technology Integrated Education (TIE). This program places students in a core curriculum class in the traditional classroom setting 4 days a week. On the 5th day, students are in a computer lab to learn how to practice core curriculum skills learned throughout the week and apply the tasks to computer applications. Student data retention has increased and students are seeing the benefit to their everyday life.

Another unique component of our program contains skill level placement in math classes. Within a grade level, math is offered at grade level, advanced level, and accelerated paces. Examples include 2nd grade students working at a 3rd and 4th grade

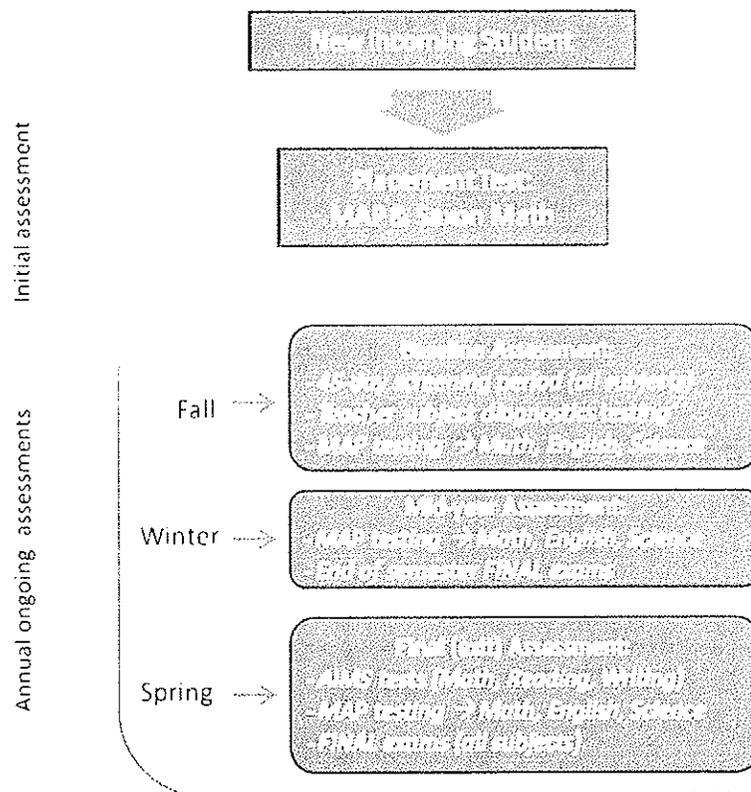
level in Math, middle school students taking high school level math courses, and high school students are taking AP level classes during their entire 4 year school career. This is also true in other core subject and elective courses. Students receive a well-rounded education in all areas. Students are able to take higher level classes in Language Arts and Social Sciences and all students are offered PE, Art, Music, Drama, and Foreign Languages and in the Elementary, Library skills are also added.

Teacher selection shall be based on strong academic preparation, professional competence, intellectual rigor, emotional maturity, enthusiastic professional attitude, knowledge of instructional practices, and ability to contribute to the furtherance of the school's educational goals. All teachers employed by SSA-DM shall have at least a Bachelor's or higher degree in the area in which they are teaching and be Highly Qualified per NCLB. In addition, all faculty and staff hired shall possess a Class 1 Fingerprint card as outlined in Arizona State statues.

In keeping with our mission, SSA's curriculum is set up to be challenging and demanding. Students in each grade level have the opportunity to work at a higher level if they have mastered the current grade level subject materials. Mastery of these areas is shown in a comprehensive assessment program. Students upon enrolling in SSA-Tucson, take placement tests to determine the proper placement in subjects. If a student shows mastery in one or more areas, then the student is placed in a more challenging course. Throughout the year in house assessments are an integral part of determining student mastery in the classroom and in general their academic knowledge throughout the grade level. In house assessments are done a variety of ways including substantive assessment, final exams, and general chapter tests and quizzes. Each year it is essential to determine an academic starting level for each student. For substantive assessments, Sonoran Science Academy employs a non-profit organization, The Northwest Evaluation Association (NWEA), which offers computer-adaptive tests to schools and school districts to evaluate the student learning and make necessary suggestions to teachers for individual students. These campus-wide tests are administered 3 times per year (beginning, middle for those in intervention courses, and

end of the year) and are used to measure individual levels of student performance growth reflected in the individual State Content Standards. The questions also measure various skills, such as analytic ability, critical thinking, and synthesis. While the Measures of Academic Progress (MAP) testing are not used as a basis of yearly promotion, it provides a valuable resource to identify students who have mastered material or who are in need of remediation and intervention. The school uses this data for implementing individual student remediation, intervention courses, tutoring, and mentoring program schedules.

SSA Model Academic Progress Monitoring



Students needing intervention and remedial course work are placed into Literacy classes, Math Wizard and tutoring programs depending on their specific needs. Student needs are determined based on standardized testing from the previous year, placement tests, MAP assessments and teacher observations. The intervention and remediation courses are started early in the year (generally within 2 weeks of school starting) to maximize success. To determine if students are progressing in these classes the

students enrolled in an intervention course will be evaluated with the MAP assessment to be sure they are progressing or to see if any change to their intervention strategies need to be done.

SSA has consistently received the "EXCELLING" status from the Arizona Department of Education – the highest possible label - per the AZLEARNNS evaluation system five years in a row (and ever since Arizona Department of Education began labeling schools in 2004). In addition, SSA has successfully met Adequate Yearly Progress (AYP) per NCLB each year. AIMS (Arizona's Instrument to Measure Standards) testing data of SSA indicates that the proficiency levels in all subjects (mathematics, reading, writing) have been systematically and steadily increasing substantially exceeding Arizona standards.

SSA's official report card and achievement profile for the last three years from AZLEARNNS - by Arizona Department of Education is enclosed below followed by graphical illustrations of SSA AIMS success rates and trends. When compared to Arizona State averages, SSA has significantly outperformed on all levels and subjects. As of 2008, average AIMS proficiency success rate is at or above 90%.



Tom O'Neil - Superintendent, Public Instruction
 Research and Evaluation Section
 502 974-6757 - tooneil@doe.az.gov

Sonoran Science Academy - Tucson

Daisy Education Corporation dba Sonoran Sci

Principa: Faith KARATAS
 karatas@ssai.edu
 Address: 2225 N. Sunset Rd
 Tucson, AZ 85717
 520-885-9111 office
 520-885-9100 extension 101
 Grades Served: KG - 12
 Students Enrolled: 513
 Office Hours: 8:00 AM to 4:00 PM
 Number of Instruction Days: 153

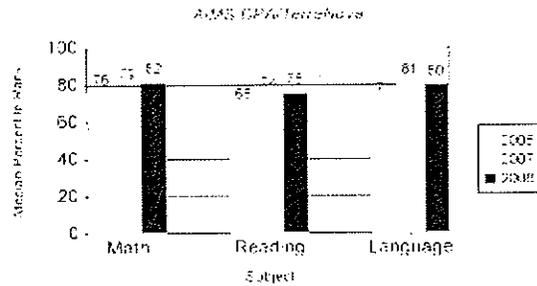
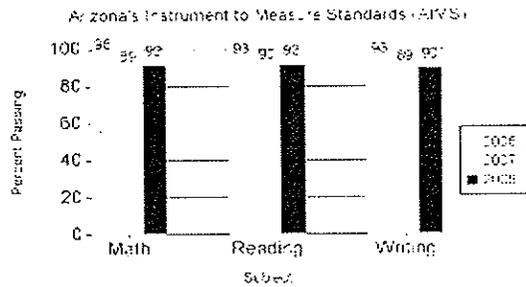
School Mission and Goals

The mission of Sonoran Science Academy (SSA) is college preparation for students to achieve success in the high-tech community of the new millennium through a science and mathematics instructional program that includes high educational standards, a rigorous foundation and well-rounded academic excellence.

School Year Start and End: 05/11/2005 - 05/22/2006

AZ LEARNS Profile: Exceeding
 Federal School Improvement Status: NA
 AYP Status: Met

Test Results for Spring 2008



Measure of Academic Progress (MAP)

Subject	Number in Analysis	Avg Growth Index For School	Avg Growth Index for State
MATH	242	5	13
READ	244	3	11

On Campus Incidents: 2

Arizona English Language Learners Assessment (AZELLA)

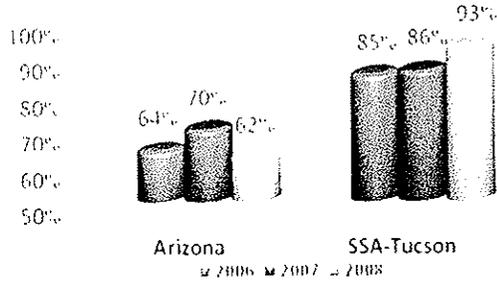
Number of English Language Learners: 21
 Percent Reclassified as Proficient: 38%

School Performance Measures

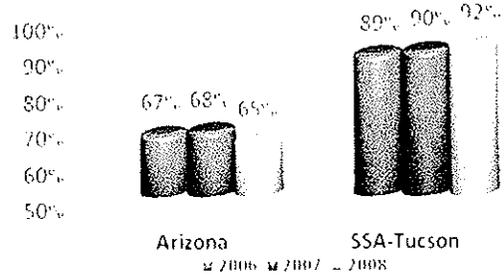
Attendance Rate: 95%
 Promotion Rate: 95%

AIMS ACHIEVEMENT RATES: 2006-2008

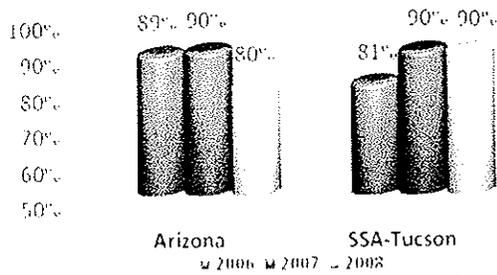
Grade 6: AIMS Mathematics Achievement Rate, 2006-2008



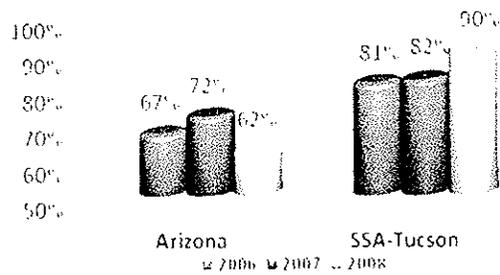
Grade 6: AIMS Reading Achievement Rate, 2006-2008



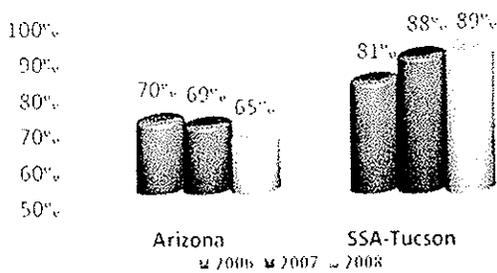
Grade 6: AIMS Writing Achievement Rate, 2006-2008



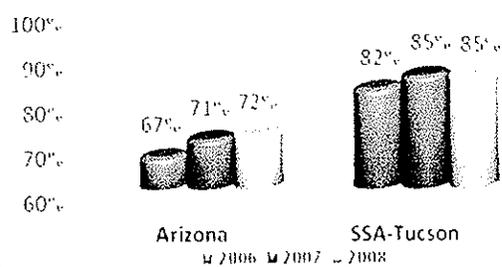
Grade 7: AIMS Mathematics Achievement Rate, 2006-2008



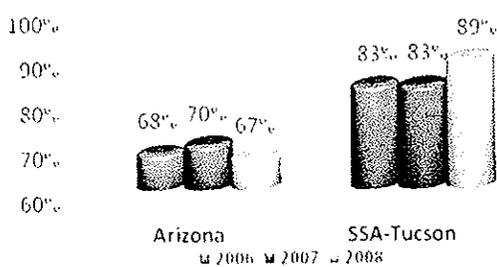
Grade 7: AIMS Reading Achievement Rate, 2006-2008



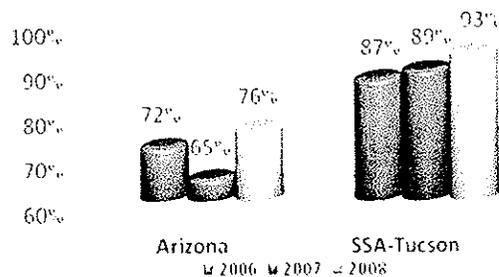
Grade 8: AIMS Mathematics Achievement Rate, 2006-2008



Grade 8: AIMS Reading Achievement Rate, 2006-2008



Grade 8: AIMS Writing Achievement Rate, 2006-2008



Low class size also plays an important part. The SSA Model has no more than 25 students to a classroom and students are divided based on academic placement thus allowing teachers to individualize instruction based on the needs of the students.

The Elementary Student Promotion from one grade to the next is determined by averaging all 4 quarter grades. Students with a D or better in Math and Language Arts/ Reading are promoted to the next grade level. Any student with a failing grade in Math or Language Arts/ Reading is retained in their current grade level. Middle School Student Promotion from one grade to the next is determined by the students' final grade in each subject area. Students with a failing grade in one class may take a proficiency test in the summer. If the student passes the Proficiency test with a 70% or better they are promoted to the next grade level. Students with a failing grade in 2 or more classes are retained in their current grade level.

The curriculum at SSA- Tucson is designed to give students a foundation of learning and thought processes needed to achieve a higher level of understanding and the basis for independent thought processes. SSA – Tucson achieves this by using a variety of learning styles in the classroom to accommodate each student's individual style and using what they learn in real world applications. Self paced programs benefit students who need an advanced and more challenging curriculum and intervention courses benefit those students needing remedial help.

ENROLLMENT/ RETENTION HISTORY

Sonoran Science Academy- Tucson is an Excelling School and has been labeled as such by the Arizona Department of Education for the past 5 years. A rigorous academic program that challenges students and offers advanced courses at all grade levels makes SSA- Tucson an excellent academic choice for parents and students alike. SSA-Tucson has had a steady increase in enrollment over the past 4 years. As you can see by the chart below, enrollment has increased each year and the withdrawal rate has decreased each year. Enrollment each year has reached the cap for the facilities and teaching staff that are available.

Year	Student Withdrawn	Enrollment	% withdrawn
06-07	112	519	21.57
07-08	56	662	8.6
08-09	53	712	7.44

The 2008-2009 school year has seen an increase in the number of students enrolled and a decrease in the percentage of students withdrawn. Kindergarten-7th grade showed waiting list with an average of ten (10) students per grade level. In the 2007-2008 school year waiting lists were evident in each grade level with an average of eleven (11) students on the list per grade level. The 2006-2007 school year had waiting list in the elementary with an average of four (4) students

per grade level. This next school year, SSA- Tucson grades Kindergarten-8th grade already has waiting lists in all classes.

Students enrolling at Sonoran Science Academy must submit and complete the following information:

- Enrollment Application
- Birth Certificate
- Immunizations
- Refundable book deposit
- Take a placement assessment
- Interview with an administrator

The open enrollment period is announced publicly during the 1st semester for the upcoming school year. The school receives pre-enrollment applications from prospective students through the predetermined open enrollment deadline. Based on the number of open spaces, students are enrolled in the requested grade level. If more applications are received than the number of spaces available in any grade level and exceed the cap, the open public lottery process will be implemented. The lottery structure consists of determining the number of spaces available and randomly pulling the corresponding number of student names to be accepted for the following school year. The grade level lottery process will determine the final enrollment and the waiting list for the grade level.

DEMOGRAPHIC INFORMATION

Sonoran Science Academy-Davis Monthan Corporation has done a thorough market analysis of the area in which the proposed school will be located in conjunction with the Davis Monthan Air Force Base (DMAFB). The proposed school will be located on the east side of Tucson on the Davis Monthan Air Force Base in the old Lowell Smith Elementary School building. Lowell Smith Elementary, a Tucson Unified School District (TUSD) school, was closed 2 years ago in response to Arizona desegregation laws.

Most students in this area attend Naylor Middle School, in TUSD, which currently has 361 students. This school has not made AYP in the past year and is a Failing school. TUSD middle school total enrollment is 11,825 students. TUSDs overall middle school profiles and Naylor Middle School specifically, prompted Base officials to look for other education possibilities for students in this area. Below are AYP data and AZ LEANS data for all TUSD middle schools.

School	AYP			AZ LEANS		
	2006	2007	2008	2006	2007	2008
Broadway MS	No Rating	Y	No Rating	No Rating	No Rating	No Rating
Carson	N	Y	N	Performing Plus	Performing	Performing
Dodge Magnet	N	Y	Y	Excelling	Excelling	Excelling
Doolen	N	N	N	Performing Plus	Performing	Performing
Drake MS	Y	Y	Y	Performing	Performing	Performing
Fickett Magnet	Y	Y	N	Performing Plus	Performing Plus	Performing

Gridley	N	N	Y	Highly Performing	Highly Performing	Highly Performing
Hohokam	N	N	N	Underperforming	Underperforming	Failing
Magee	Y	Y	N	Highly Performing	Highly Performing	Highly Performing
Mansfeld	Y	Y	Y	Performing Plus	Performing	Performing
Maxwell	N	Y	N	Performing	Underperforming	Underperforming
Naylor	N	N	N	Failing	Failing	Failing
Pistor	N	N	N	Performing	Performing	Performing
Roskruege Middle	Y	Y	N	Performing Plus	Performing	Underperforming
Safford Magnet	N	N	N	Performing	Underperforming	Underperforming
Secrist	Y	N	Y	Performing Plus	Performing Plus	Performing Plus
Southwest Alt.	N	Y	Y	Performing	Performing	Performing
Townsend	N	Y	N	Performing Plus	Performing	Performing
Utterback Magnet	N	N	N	Performing	Underperforming	Underperforming
Vail	N	Y	Y	Highly Performing	Highly Performing	Performing
Valencia	N	N	N	Performing	Underperforming	Underperforming
Wakefield	N	N	N	Performing	Underperforming	Underperforming

As you can see by the above AYP and AZ Learns data, the students in this area would benefit greatly from SSA's Excelling program. With the proposed capacity not to exceed 400 students, SSA-DM will be able to provide individual attention to students' needs. SSA-DM program will offer a unique opportunity for parents and students to focus on math, science and technology while at the

same type incorporating a strong liberal arts foundation. Thus, the success rate of SSA's existing school population is the key parameter in choosing this region in order to implement our math, science and computer focused education. The Davis Monthan Air Force Base asked for proposals from area charter schools specifying a rubric that contained assessment based science, math, and technology oriented college prep middle school program. SSA's original charter and successful practices plus eight years of experience proved that the program will be meeting the needs of the southeast Tucson student population.

The student achievement rates are low in the proposed region, and very few schools are meeting the State of Arizona academic achievement benchmarks. SSA-Tucson has been an Excelling school as labeled by ADE for the past five years and has exceeded state academic achievement benchmarks. In addition, SSA's award winning advanced programs are designed to prepare students for local, national, and international Olympiads and competitions will be a great resource for the area students. We anticipate that many students who are likely to enroll in SSA-DM will be attracted to our academic standards and other features offered that do not exist in the local public schools. We believe our academic model will improve the quality of all students, since SSA's primary objective in this regard is to raise the bar of quality education in this neighborhood.

Since the Air Force Base approached Tucson area charter schools in search of a middle school program that included high academics to move into the existing military owned building we are sure that SSA's program will be a popular

alternative to the existing school choices. The Air Force Base currently has an elementary school with grades Kindergarten -5th grade that will feed into the proposed middle school. Recent surveys indicate that there are 400 prospective active military personnel with middle school age children who live in or around the Air Force Base. Town Hall meetings conducted by DMAFB showed that there is a huge demand from most of the parents for a successful charter school program housed in the DMAFB.

Davis- Monthan Air Force Base, St. Joseph's Hospital, Healthsouth Hospital, Raytheon and the University of Arizona are large employers in this area. Parents working in these fields are looking for schools for their children that support the science and math industries. Our mission, "college preparation for students to achieve success in the high-tech community of the new millennium through a science and math instructional program that includes high educational standards, a liberal arts foundation and meets individual student needs to compete successfully in a global technological society upon graduation", supports these industries and creates a high demand for our program.

This area includes middle income families with the average income near \$41,000 per household. Almost 30% of the families within a 5 mile radius have children that are school-aged. Surveyed families say they are looking for a program that emphasizes high levels of education, small class sizes, and a well rounded education. In response to the Town Hall meeting we had handed out over 100 interest forms and have had 63 returned. In addition, many phone calls and emails are being received daily from interested parents supporting the

opening of SSA-DM. SSA-DM is the first charter school program invited to be opened in any military base in the United States. Therefore, it has taken the attention of the public media in newspapers and TV Broadcasting coverage creating a positive reputation for charter schools in general and specifically for the recruitment of both students and teachers.

Organizational Structure

SCHOOL GOVERNING BOARD

The **School Governing Board** currently consists of four board members. They are mainly responsible for:

- Policy Making
- Evaluation of school fiscal, organization and academic progress
- Scheduling and holding open public board meetings for the organization
- Hiring district office personnel and school leaders
- Oversight of schools' federal and state compliance requirements and revision of the procedures as necessary
- Finalizing and evaluating contractual agreements

The school Governing Board will oversee overall macro-management including corporate financials. The District Office staff is in close communication with the School Governing Board. All school-level micromanagement will be carried out by the Principal, teachers and staff.

DISTRICT OFFICE

The **District Office** is led by the Superintendent. The Superintendent is responsible for overseeing and organizing the district structure and provides direction to the school principals.

The District office consists of 5 main offices:

- Business and Operations
- Human Resources and Public Relations
- IT Management
- Data and Expansion Management
- Curriculum and Instruction

These offices report to the Superintendent and are responsible to complete the field work for the school governing board. They are responsible to complete the following back office work for all schools within the district.

- Contractual Negotiations
- Providing Best Bids from the Contractors to the Governing Board for Final Decisions

- Payroll
- Benefit Planning
- Bookkeeping/ Accounting
- Web and Network Management
- Grant Writing
- New School Applications
- Business Planning
- Purchases
- Cost Reduction
- Contractual Agreements
- State Reporting
- Preparation for State and Independent Audits (Title 1, Special Education, Fiscal Audit, etc)
- Communication with the Chartering Entity

School Principals

The School Governing Board together with the Superintendent hires **School Principals**. The School Principal receives comprehensive training with the District Staff and Superintendent. He/ She is responsible for day to day operations of the school site. Some of the responsibilities are as follows:

- Supervising Daily Operation
- Oversee Faculty & Staff
- Employee Compliance
- Staff Interviews
- Evaluation of Personnel
- Community Representation of School
- Governing Board, Administration, and Parent Association Meetings
- Planning of Master Calender
- Oversight of Curriculum and Instruction
- Teacher Orientation and Staff Development
- Parent/Student Conferences
- Parent Newsletter

VICE PRINCIPALS

The **Vice Principals** assist the Principal in the day to day operations of the school. The Vice Principals mainly focus on either Academics or Discipline.

FACULTY/STAFF

Each **faculty/ staff** member is required to meet their job description which is provided to them upon their contractual employment with the school.

Corporate Board: Key Roles

It is the responsibility of the Corporate Board of Sonoran Science Academy-Davis Monthan to ensure that the Governing Body's decisions and school operations in general are in accordance with the charter agreement. Corporate Principals will make all financial and personnel decisions: including the budget approval, facility and spending expenses, hiring/firing, wages and staffing. They will appoint the members of School Governing Board from the selected members of the community, and monitor the Governing Body's decisions and school operations. Staying true to its responsibilities enacted by the charter agreement between the Arizona State Board for Charter School and Sonoran Science Academy-Davis Monthan, the Corporate Principals may choose to request the Governing Body to reevaluate its decisions and actions to comply (with) the charter agreement if it deems necessary.

Governing Body (School Board): Key Roles

The Governing Body will function as the ultimate authority to assure the well being of SSA-Davis Monthan; that is, the SSA-Davis Monthan will be accountable for student progress. The Governing Body will meet once in two months to oversee the activities at SSA-Davis Monthan. A quorum of 50 % of the active members is required to conduct a meeting. The Governing Body's Meeting will be conducted according to Open Meeting Law. Board members will have one vote and the right to participate in all Board discussions, meetings, and presentations. A particular board member may be exempt from voting if there is a potential conflict of interest. These may include issues that involve a transaction benefiting certain board members, whether real or in perception. The Board will adopt its bylaws and rules of conduct at its first meeting.

The date and time of the meeting will be announced in advance. Meetings shall ensure full access for community members to participate. Main functions of the Governing body, not limited to, can be summarized as follows:

- Monitoring general policies of the school related to admissions, health and safety, curriculum and assessment, facility use and the implementation of these policies by the school administration.
- Making major academic policy decisions for SSA within the boundaries of the Charter.
- Assuring that SSA adheres to all applicable federal, state, and local laws and regulations as well as regulations in the Charter.
- Financial decisions: including the budget approval

The School Board will assure that the education vision as per the charter application is maintained. The day-to-day implementation of this plan is the responsibility of the principal. The principal will be responsible for the evaluation of the faculty and will report at least on an annual basis as per that evaluation. The Board will institute policy within the guidelines of Federal and State law, to assure the effective, efficient, and safe operation of the school.

Sonoran Science Academy-Broadway Duties of Governing Board Members

<u>Name</u>	<u>Role</u>	<u>Profession</u>
Dr. Mehmet Akif Baysal	Board Member, in Charge of Business Activities at the School	Vice-President of Research and Development, Bioptics Inc.
Dr. Abdullah Yilmaz	Director of the Board, in Charge of Expansion Activities	Electrical Engineer
Metin Yildirim	Board Member, in Charge of Community Outreach and Grant Writing	Product Support Engineer, Caterpillar, Inc.
Ismail Emre Araci	Board Member, in Charge of Academic Quality and Science and Technology Enrichment Activities	Research Assistant, College of Optical Sciences at the University of Arizona

**Organizational Structure of Sonoran Science Academy-Davis
Monthan**

Sonoran Science Academy-Davis Monthan
↓

School Governing Board
↓

District (Central) Office
↓

**Sonoran Science Academy-
Davis Monthan School**
↓

Principal
↓

Vice Principals
↓

Faculty / Staff
↓

STUDENTS / PARENTS

Start Up Budget with Assumptions

Charter School Name:SSA DAVIS MONTHAN

	Inception to receipt of first payment		Assumption #:
Revenue		Total	
Secured Private Donations			
Secured Loans		\$ 60,000.00	1
Other Secured Funds(Specify) _____			
Total Start-up Revenue		\$60,000	
Expenses	# of Staff	@ Salary	Total
Salaries		\$	
Director/Principal	1.00	\$ 5,000.00	\$ 5,000.00 2
Teacher-Regular Education			
Teacher-Special Education			
Secretary			
Bookkeeper	1.00	\$ 2,000.00	\$ 2,000.00 2 and 4
Other (Specify)Vice Principal/Counselor			
Other (Specify)Bus. Man/Op. Man			
Other (Specify) Custodial			
Employee Benefits		\$ 1,000.00	5
Travel			
Purchase Services (consultants)		\$ 2,000.00	6
Purchase Services-Special Education			
SAIS Software		\$ 1,000.00	7
Instructional Aids/Books/Library/Software		\$ 3,600.00	8
Instructional Supplies			
Legal			
Marketing/Advertising		\$12,000	9
Other (printing; postage)			
Total Instruction, Administration & Support		\$26,600	
Operations & Maintenance		Total	
Supplies		\$ 450.00	11
Phone		\$ 300.00	12
Internet Connectivity			
Property/Casualty Insurance			
Utilities (Deposit & monthly)			
Rent (Deposit & monthly)			
Fees/Permits (Building/Operations)			
Membership Dues			
Accounting Services			
Land & Improvements			
Building & Improvements		\$ 30,000.00	13
Student Computer Equipment			
Office Computer Equipment			
Student Furniture & Other Equipment			
Furniture & Other Equipment			
Leases/Loan Payments			
Other (security, copier lease)			
Total Operations & Maintenance		\$ 30,750.00	
Total Expenditures		\$ 57,350.00	
Total Start-up Revenues		\$ 60,000.00	
Budget Balance (Revenues-Expenditures)		\$ 2,650.00	

Charter School Name: SSA DAVIS MONTHAN

	July	August	September	October	November	December	January	February	March	April	May	June	Total
Number of Students (ADM):	150	150	150	150	150	150	150	150	150	150	150	150	
Revenue													
Start up/ prior month carryover	\$ 2,650.00	\$ 27,396	\$ 12,307	\$ 6,218	\$ 117,129	\$ 88,039	\$ 103,950	\$ 97,861	\$ 88,772	\$ 83,683	\$ 74,584	\$ 83,005	\$ 775,602.99
State Funding (Equalization Assistance)	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 73,125.00	\$ 877,500.00
Classroom Site Funds	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 60,000.00
Secured Private Donations			\$ 3,000.00			\$ 15,000.00	\$ 3,000.00		\$ 4,000.00				\$ 25,000.00
Secured Loans													\$ -
Start up grants				\$ 150,000.00									\$ 150,000.00
Total Revenue	\$ 80,775.00	\$ 105,621.02	\$ 93,491.87	\$ 234,342.72	\$ 195,253.57	\$ 191,164.42	\$ 185,076.27	\$ 176,866.12	\$ 170,896.97	\$ 161,807.82	\$ 152,718.68	\$ 141,129.53	\$ 1,112,900.00
Expenses													
Salaries													\$ -
Director/Principal	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.33	\$ 5,833.37	\$ 70,000.00
Teacher-Regular Education		\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 385,000.00
Teacher-Special Education		\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.27	\$ 2,727.30	\$ 30,000.00
Instructional Assistants													\$ -
Secretary	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 2,083.33	\$ 25,000.00
Bookkeeper		\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.45	\$ 545.50	\$ 6,000.00
Other (Specify)Vice Principal		\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.27	\$ 4,727.28	\$ 52,000.00
Other (Specify)Business/Op Manager		\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 3,181.81	\$ 34,989.91
Other (Specify)Custodial		\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.45	\$ 1,295.50	\$ 14,250.00
Employee Benefits	\$ 1,200.00	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 7,194.28	\$ 80,337.12
Travel	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.33	\$ 1,083.37	\$ 13,000.00
Purchase Services (consultants)	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.33	\$ 583.37	\$ 7,000.00
Purchase Services-Special Education	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,208.00	\$ 5,212.00	\$ 62,500.00
SAIS Software		\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.18	\$ 318.20	\$ 3,500.00
Instructional Aids/Books/Library/Software		\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.45	\$ 1,545.50	\$ 17,000.00
Instructional Supplies	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 3,093.75	\$ 37,125.00
Legal	\$ 2,500.00	\$ 2,500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 10,000.00

Monthly Cashflow

Auditor	July	August	September	October	November	December	January	February	March	April	May	June	Total
Marketing	\$ 4,500.00	\$ 2,000.00										\$ 1,000.00	\$ 8,500.00
Other (printing; postage)	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 336.00	\$ 4,032.00
Total Instruction, Administration & Support	\$ 26,421.07	\$ 79,256.24	\$ 75,256.24	\$ 860,244.03									
Operations & Maintenance													
Supplies	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 1,231.25	\$ 14,775.00
Phone/Communications	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 2,400.00
Custodial Services	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 15,000.00
Advertising	\$ 1,500.00	\$ 1,500.00										\$ 1,500.00	\$ 6,000.00
Property/Casualty Insurance	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.66	\$ 666.74	\$ 8,000.00
Jillies	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 4,975.00	\$ 59,700.00
Rent													\$ -
Fees/Permits & dues	\$ 500.00	\$ 500.00											\$ 500.00
Transportation													\$ -
Food Service													\$ -
Accounting Services	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 6,000.00
Land & Improvements													\$ -
Building & Improvements	\$ 15,000.00			\$ 30,000.00	\$ 10,000.00								\$ 55,000.00
Computer Equipment	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 1,165.00	\$ 13,980.00
Furniture & Other Equipment	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	\$ 15,000.00
Upgrades (Connectivity)	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 2,400.00
Leases/Loan Payments													\$ -
Other (security, copier lease)	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 270.00	\$ 3,240.00
Total Operations & Maintenance	\$ 26,957.91	\$ 19,957.91	\$ 11,957.91	\$ 41,957.91	\$ 21,957.91	\$ 11,957.91	\$ 13,457.91	\$ 11,957.99	\$ 201,985.00				
Total Expenditures	\$53,379	\$93,214	\$87,214	\$117,214	\$97,214	\$87,214	\$87,214	\$87,214	\$87,214	\$87,214	\$89,714	\$88,219	\$1,082,239
Total Revenues	\$80,775	\$105,521	\$93,432	\$234,343	\$195,254	\$191,164	\$185,075	\$175,986	\$170,897	\$161,808	\$152,719	\$141,130	\$1,112,500
Budget Balance (Revenues-Expenditures)	\$27,396	\$12,307	\$6,218	\$117,129	\$98,039	\$103,950	\$97,861	\$88,772	\$83,683	\$74,594	\$63,005	\$62,911	\$50,261

FINANCIAL PLAN

1. Start Up Costs

Narrative and Timeline

By the time the application is approved by ASBCS, the Corporate Principals will have started working on the establishment of the SSA-Davis Monthan without compensation. Corporate Principals have already met with Davis Monthan Air Force Base (DMAFB) officials regarding the proposed lease for the existing school building. The Corporate Principals along with the future employees will mainly put all of their efforts on financial planning, marketing and personnel planning. The time line for the mentioned duties will be as follows.

- Develop a comprehensive marketing plan
- Establish the Governing Body and prepare policy for the Governing Body
- Secure a signed lease agreement for the school building
- Create the maintenance and remodeling plans with the building manager.
- Finalize building improvement assessments and start maintenance as needed
- Make necessary adjustments/plans on the budget
- Prepare firing/hiring policies and procedures
- Place job positions on Career Builders
- Develop employee handbook
- Create student/parent handbook
- Prepare flyers, banners, and posters
- Design school website
- Prepare news releases, press kits, and media kits
- Start distributing flyers along with volunteer community members and the prospective parents
- Start initial interviews with prospective school staff
- Make lists of all instructional supplies, instructional aides, books, computer, furniture and contact with the vendors
- Organize Open Houses, public meetings and information sessions for recruiting students

June

- Plan and develop curriculum
- Hire principal and bookkeeper as part time

July

- Continue Open Houses, public meetings and information sessions
- Hire other staff members and teachers.
- Plan in-service for teacher training regarding educational, legal, safety and etc... issues

- Prepare classrooms setups for beginning of school year
- Prepare student/teacher schedules

just

- Conduct in-service trainings for school staff
- Conduct parent and student orientation meetings
- Hold team meetings with DMAFB officials

b. Start Up Budget with Assumptions (Attachment H)

1. We will borrow money for this project and put it in our bank account. There will be no loan pay back in the first fiscal year of the school. We will pay this amount back over the first 24 months in the 2nd and 3rd year of operation.
2. The Corporate Principals will work on setting up the school as the charter is approved, therefore the most crucial staff like principal for day-to-day operation of the school will be hired by June 1st and will be paid part time until June 30th.
3. The contracts for all of our teachers will start after July 15, 2009.
4. A part time bookkeeper will be hired to handle financial issues along with the principal until school year starts.
5. Employee benefits are estimated based on market rate percentage.
6. We budgeted 2K for purchased services and it is an estimated price based on previous services purchased.
7. We will buy SAIS compatible (Student Information System) software before school starts. This price is estimated based on prior license quotes.
8. Sets of instructional aides/books/library items will be purchased. The estimates are made based on the price quotes from Glencoe, Prentice Hall, Saxon Math publisher and etc...
9. The marketing cost is estimated for preparation of flyers, banners and posters and the estimation is conducted based on the contacts with the local vendors providing these services.
10. We did not budget anything for property/casualty insurance since the proposed school occupation date is scheduled after 7/15/09.
11. Office supplies needed for the start up of the school year are estimated based on prior startup school costs.
12. Phone and internet connectivity estimates are based on Qwest and Cox rates.
13. SSA-Davis Monthan will house a facility in the Davis Monthan Air Force Base, and will be responsible for maintenance and site improvements. SSA-DM will not pay rent for the facility. Based on our building assessments our contractors estimated \$30,000 start-up expenditures for the improvements

2. Operating Budget

a. Budget Introduction and Assumptions

14. The estimated number of students for the first year is estimated to be 150 students. In our first year, we will open two classes of 6th, 7th and 8th grades.
15. State funding (Equalization Assistance) is calculated by using the budget worksheets from school finance using the web site:
<https://www.ade.az.gov/schoolfinance/Forms/Budgets/FY2008-2009/>
16. The salaries are estimated to be slightly over average for the teachers working in charter schools.
17. Higher salary is estimated for the computer teacher who will also be serving as network administrator.
18. The Principal and Secretary will begin fulltime employment July 1, 2009
19. Employee benefits are estimated based on the information that we received from health insurance companies like Blue Cross/Blue Shield of Arizona, Aetna, PacifiCare, and etc... We are planning to provide medical insurance in addition to the required employee benefits for charter school employees.
20. Purchased Services (consultants) include the expenses for curriculum development, architectural work, computer technology, science projects and competition teams.
21. Purchased services (special ed.) estimates are based on current services used in other school sites.
22. Instructional aides/books, supplies /library & software costs are estimated based on the estimated prices taken from the Publishers like Glencoe, Prentice Hall, Microsoft, Quill and etc...
23. Marketing and advertising costs are estimated for job postings, newspaper ads, and marketing expenditures during the recruitment period.
24. Utility cost is estimated based on the expenses made in similar size building.
25. Property/Casualty insurance cost is estimated based on the market research conducted for the proposed location through the Arizona Insurance Group. (current vendor for the district schools)

b. First year Month-by-Month Cash Flow Budget Assumptions (Attachment I)

- We budgeted the state funding payments equally for each month starting from July 2009 through June 2010.
- We did not include part time salaries for July 2009 since the school hasn't opened.
- Marketing expenses are budgeted for months May through August. Since most of the advertising campaign will take place during this period.
- The other items budgeted for each month equally is based on best estimates experienced in previous school projects.

Pilot Replication Application Checklist

(to be completed by the applicant and submitted as part of the application)

This document is similar to the Administrative Checklist used by the Arizona State Board for Charter Schools' staff in determining if an application is complete. Any section not complete, including items left blank or unanswered or missing attachments, will result in an application being deemed INCOMPLETE. Notice of deficiencies will be sent to the applicant within 25 business days of receipt of application. **Incomplete applications will not be forwarded to the Board.**

Insert the page number where discussion of each item listed below begins within the application section indicated. Page ranges will not be accepted. Failure to submit a page number for required information will result in the application being deemed incomplete. Failure to provide accurate page numbers will result in application being deemed incomplete. Staff will review information submitted. Additional information may be requested based on review of initially requested documents, documentation provided, and the information contained in the existing charter contract.

Submission requirements of the pilot replication application and the components of the existing charter contract to be incorporated.	Page Number
Title Page (Attachment A)	1
Entity Information Sheet (Attachment B)	2
Population/Location Sheet (Attachment C)	3
Compliance Assurances (Attachment D)	4
A description of the schools program of instruction, as it supports replication, to include:	
The impact of the school's philosophy on the success of the existing school	5
Efforts in achieving the school's mission	6
Implemented methods of instruction and assessment as they support the information above and include discussion of mastery requirements, remediation efforts, and promotion/graduation requirements	7
Demonstration that the existing charter has provided an additional academic choice for parents and pupils. Evidence must include a description of patterns of mobility and retention of students to include:	
A continuous increase in enrollment or maintenance of a consistent number of students over a three year period.	12
The retention rate of students from one year to the next (for three or more years) when a subsequent grade level is offered, as it supports the target population and mission of the school.	12
The enrollment practices of the school, including waiting lists, lotteries, etc.	13
Specific demographic information and/or market analysis that supports replication of the existing charter within an identified target area/proposed area.	14

Replication Application 2008-2009

Governance Structure: Consistency in governance and leadership. Description of the existing corporate and governance structure, and financial and operational processes that contributed to the high quality school that is being replicated and the consistency that will be maintained with the replication including:					
The role of the corporate principals in the maintenance and operation of the school,					20
The role and makeup of the governing body,					22
The business structure, including the use of contracted services, if any, for financial and operational processes.					23
Appropriate resumes, background information sheets, and fingerprint clearance cards					34
Articles of Incorporation					24
By-laws for the corporation					29
Name	Description of role in school Pg #	Resume Pg #	Background sheet (Attachment E) Pg #	Fingerprint Clearance Card Pg #	Affidavit (Attachment F) Pg #
Abdullah Yilmaz	22	34	36	37	38
Mehmet A Baysal	22	40	42	43	44
Ismail Erme Araci	22	46	49	50	51
Metin Yildirim	22	53	55	56	57
Ercan Aydogdu		59	61	62	63
Start Up Budget (Attachment H)					66
Operating Budget (Attachment I)					67