

# The Agnes Irwin School

## Profile for the Class of 2017

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**CEEB Code: 395400**

### The School

Founded in 1869, The Agnes Irwin School is an independent college preparatory day school for girls, located 12 miles west of Philadelphia.

### Enrollment

The total enrollment of grades PreK-12 is 620 (25% are students of color; 27% receive financial aid). There are 283 students in grades 9-12 and 65 in the Class of 2017. Students come from Philadelphia and the surrounding suburbs. There are several students from China.

### Minimum Requirements for Graduation

English: 4 years  
 Mathematics: 3 years (Alg. II minimum requirement)  
 History: 3 years (1 year U.S. History)  
 Science: 3 years (1 year each Physics, Chemistry, Biology)  
 World Language: 3 years of Spanish or French, or completion of Latin III or Greek III  
 Visual & Performing Arts: 1 year

### Additional Graduation Requirements:

Athletics: Three seasons required in Grades 9-10.  
 Two seasons required in Grades 11-12.  
 Wellness: required in Grades 9-12.  
 Community Service: 40 hours over 4 years.  
 Media Literacy: required in Grade 9.  
 Senior Assembly: required in Grade 12.  
 Senior Seminars/College 101 Workshops (Grade 12)  
 Special Studies Program (Grades 9-11)

### Accreditation/Affiliations

Accredited by the Middle States Association of Colleges & Schools and by the Pennsylvania Association of Independent Schools (PAIS)  
 Member of The Cum Laude Society  
 Member of the Maguire Foundation Scholars Program

### Faculty

There are 59 faculty & professional staff in the Upper School. Of the 53 teaching faculty, 95% hold advanced degrees. Average class size is 11.

### Class Rank

Rank was discontinued in 1972. Individualized grade distribution provided with college applications.

### Class of 2017

88% enrolled in 4 or more math courses  
 54% took Calculus or AP Calculus  
 55% enrolled in 4 or more science courses  
 35% took 2 or more AP Science courses  
 55% in 4 or more history classes  
 32% in world language senior year  
 14% in Indep. Science/Computer Science

### Grading Scale/Weighting/Honors

Excellent	A+	100-97	Highest Honors
	A	96-93	Highest Honors
	A-	92-90	High Honors
Good	B+	89-87	Honors
	B	86-83	
	B-	82-80	
Satisfactory	C+	79-77	
	C	76-73	
	C-	72-70	
Passing	D	69-65	
Failing	F	64- 0	

### National Merit Scholarship Program

Class of	2016	2017
Commended Students	8	2
Semi-Finalists/Finalists/Scholars	5/5/2	4/TBD

### National Hispanic Recognition Program

Class of	2016	2017
Scholar	0	1

### SAT Reasoning Test (pre March 2016) Middle 50% Range:

2016: CR: 580-700 M: 570-680 W: 610-730  
 2017: CR: 570-710 M: 550-690 W: 600-710

### SAT Reasoning Test (post Mar. 2016) Middle 50% Range: 2017

Evidence Based Reading and Writing: 600-685  
 Mathematics: 540-670  
 Reading: 29-35  
 Writing: 30-35  
 Total: 1150-1335

### ACT Test

	Middle 50% Range:	
	2016	2017
English:	27-32	26-34
Math:	25-32	25-30
Reading:	23-31	26-33
Science:	23-29	23-29
Composite:	25-30	27-31

### Advanced Placement Tests (Subject-specific results on page 3)

	Class of 2016	Class of 2017 (Jr. Yr.)
Tests Taken	265	90
Number of Subjects	21	8
Candidates (% of class)	63 (93%)	43 (66%)
% Scores 3, 4, 5	88%	85%
% Scores 4, 5	62%	60%
AP Scholar (# in Class)	14	7
(3 exams scored 3-5)		
AP Scholar with Honor	3	2
(4 exams scored 3-5)		
AP Scholar with Distinction	22	TBD
(5 exams scored 3-5)		
National AP Scholar	3	TBD
(8 exams scored 3-5)		

## Special Programs Required for All Students

**Media Literacy [9]:** This course encourages students to look past the face value of the media (Internet, television, magazines, newspapers) and question the motives beneath the messages. Topics include internet safety, research skills, copyright and fair use, information seeking strategies, and advertising techniques & consumer culture.

**Science Sequence:** AIS's preferred sequence for science courses is: Physics (9; grade-level only); Chemistry (10; grade-level or Honors); Biology (11; grade-level or Honors); AP Biology (11 or 12), AP Chemistry (11 or 12), and/or AP Physics (12). AP Environmental Science may be taken in grades 10, 11 or 12 without prerequisite.

**Senior Assemblies [12]:** Each senior is required to prepare and present a 10-minute research-based speech with visual aids in front of the Upper School student body and faculty (approx. 300 people). Topics range from the performing arts to scientific research to current events. The presentation is graded by a team of faculty. The topic and grade are listed on the final transcript.

**Senior Seminars & College 101 Series [12]:** Following exams, seniors participate in two weeks of mini-courses taught by faculty and designed to parallel collegiate offerings in both context and time frame. Students also participate in a series of College 101 workshops on topics designed for college preparation (e.g., personal finance, health, self-defense and "AIS Graduates' Look at College Life").

**SSP-9 [9]:** As a precursor to the Special Studies Program, SSP-9 is a two-week project-based program focusing on interdisciplinary problem-solving. Students are presented with new challenges each day that draw on curricular work mastered during the year. Examples include: video game design, wearable technology and cryptography.

**Special Studies Program [10-11]:** This two-week program seeks to expand students' understanding of the world beyond AIS through travel, internships, service work, cultural immersion/exploration, and independent opportunities for the pursuit of special interests. **2016 offerings included:** History and Culture in China or Italy; Habitat for Humanity in SC; Sports Business; Service in Tanzania, Fashionistas & Foodies, Sustainable Agriculture; Engineering; Philadelphia Past & Present.

**Transitions [9-12]:** AIS's Wellness curriculum focuses on developing skills to promote healthy lifestyle choices, self-knowledge and self-esteem. Topics include relationships; emotional, physical and community wellness; Red Cross First Aid; Alcohol.edu<sup>®</sup>; financial literacy; self-defense; and the college search/application processes.

## Electives Explanations

**Advanced Topics in Mathematics [12]:** Includes the "C" topics omitted in the AB Calculus AP course and leads to the BC Calculus AP exam. Additional topics taught include multivariable calculus and topics from differential equations and linear algebra.

**Bioethics:** This non-lab, research-based science elective is concerned with dilemmas caused when the facts of medical/genetic research conflict with the norms and needs of society with ethical decision-making at the level of the individual, the community, and the nation.

**Broadcast Studio:** This course teaches the artistic, tech and science basics of studio production both in video and sound. Camera work, editing, sound mixing, pre-and post- production procedures, as well as artistic processes, come into play. (½ or full credit)

**Computer Science [10-12]:** A project-based class developing foundation principles of mechanics and programming using Python programming language. Major areas of study include data and control structures, algorithm development and user-interface design. Students design a video game with Media Arts students. Further study: Advanced and Independent Study in Computer Science (11-12).

## Electives Explanations (continued)

**Engineering for the Future [10-12]:** Designed to introduce students to the field of engineering through in-class discussion and hands-on lab experiments that include: designing the best organizer, building the strongest bridge, creating the most efficient model boat, and designing electrical circuits. (½ credit/semester course)

**Global Health & the Girl Child [12]:** This seminar-style course is anchored with lectures delivered at Agnes Irwin by various guest lecturers. Topics focus on the most pressing issues facing girls' health worldwide, including HIV/AIDS, violence against women, and human trafficking. (½ credit/semester course)

**Independent Science Research [9-12]:** Students may choose to conduct science research outside of school, and are matched with mentors from local academic and industrial communities. The research results in a culminating project to be presented, or otherwise published or recognized. The course is graded pass/fail and earns ½ or 1 credit for successful completion, depending on the project's scope.

**Innovations [11-12]:** Semester, project-based course using CAD and other drawing programs to design and fabricate objects using 3-D printers and Laser Cutter, operating in AIS's new MakerSpace. Students develop skills in elements of design, working knowledge of CAD, applied mathematics and spatial reasoning.

**Media Arts I, II, New Media Narrative (III) [9-12]:** Using digital tools, students develop technical skills and gain knowledge of digital applications through the use of computers, scanners and digital cameras. The culminating course allows a concentration in either print or film. For film, students pursue interviewing, pre- and post-production and techniques for producing compelling stories. For print, students apply advanced design concepts to material, culminating in a web-based portfolio, with access to a 3-D printer.

## Other Special Opportunities

**Big Timber Arts Round-Up [11-12]:** In October, a select group of Agnes Irwin students join students from the Haverford School, Episcopal Academy and a local high school at a ranch in Montana for a five-day seminar on writing, art, drama or photography, working with western writers and artists.

**Human Relationships Seminar [11-12]:** Annually Agnes Irwin, Baldwin School, and Haverford School each select four students to meet for 10 evening seminars in the fall. This non-credit class investigates human relationships' complexities-innate, socially-constructed, and evolving - through readings and academic discussions. From Plato's *Symposium* to a selection of contemporary works of fiction and scholarship, participants delve into the workings of our understanding of ourselves-and of the way we live with each other, considering the transformation of psychological theories, societal norms, gender, relationships, sexuality, and identity.

**Online School for Girls [12]:** OSG is a membership-based consortium of over 60 schools, providing an all-girls educational experience through a dynamic online learning community. Ten or fewer seniors are admitted by application. Students from the Class of 2017 are enrolled in AP Psychology, AP Music Theory, AP U.S. Government & AP Comparative Politics, and Linear Algebra. All courses are indicated OSG on the AIS transcript.

**Robotics Team:** One of a few all-girl teams in the region, the AIS robotics team, which grows out of an active Lego<sup>®</sup> Robotics middle school program, annually designs a robot to enter the F.I.R.S.T. robotics competition. Typically participating in two or three regional competition events from Philadelphia to Washington D.C., the team has garnered awards in its 16-year history and continues to introduce girls to real-world, hands-on science and technology.

**Agnes Irwin Classes of 2012-2016 College/University Acceptances & Matriculations:**  
 Institutions in **bold** are those where students enrolled; ( ) indicates number more than one.

Albright College	<b>Franklin and Marshall College (9)</b>	Purdue University	University of Edinburgh
<b>American University (4)</b>	<b>Furman University</b>	Quinnipiac University	<b>University of Hartford</b>
American University in Cairo	Gannon University	<b>Pomona College</b>	Univ. of Illinois at Urbana-Champaign
American University of Paris	<b>George Mason University</b>	<b>Princeton University (6)</b>	University of Kentucky
<b>Amherst College (2)</b>	<b>George Washington University (9)</b>	Providence College	University of Louisville
Arcadia University	<b>Georgetown University (12)</b>	Randolph-Macon College	University of Maine
Assumption College	<b>Georgia Institute of Technology</b>	Rhodes College	<b>U. of Maryland, Baltimore County</b>
College of the Atlantic	<b>Gettysburg College (3)</b>	<b>Rice University</b>	<b>U. of Maryland, College Park (2)</b>
Auburn University	Gonzaga University	Roanoke College	University of Massachusetts,
<b>Babson College</b>	Goucher College	Robert Morris University	Amherst
<b>Bard College</b>	Grinnell College	Rochester Institute of Technology	University of Massachusetts, Boston
<b>Barnard College (2)</b>	Grove City College	<b>Roger Williams University</b>	Univ. of Massachusetts, Dartmouth
<b>Bates College</b>	Hamilton College	<b>Rollins College (2)</b>	<b>University of Miami (3)</b>
Baylor University	Hampshire College	Rosemont College	<b>University of Michigan (3)</b>
<b>Bennington College</b>	<b>Hampton University</b>	<b>Rutgers University-New Brunswick</b>	University of Mississippi
Bentley University	Hartwick College	Saint Francis University	University of New England
Binghamton University	<b>Harvard University (7)</b>	<b>Saint Joseph's University (3)</b>	Univ. of New Hampshire at Durham
<b>Boston College (5)</b>	Harvey Mudd College	Saint Louis University	University of New Haven
<b>Boston University</b>	<b>Haverford College</b>	<b>Salisbury University</b>	<b>U. of North Carolina at Chapel Hill</b>
<b>Bowdoin College (2)</b>	Hawaii Pacific University	Salve Regina University	Univ. of North Carolina at Charlotte
<b>Brandeis University</b>	High Point University	Santa Clara University	Univ. of North Carolina at
<b>Brown University (4)</b>	<b>Hobart and William Smith Colleges</b>	Sarah Lawrence College	Greensboro
Bryant University	<b>Hofstra University</b>	Scripps College	Univ. of North Carolina at
<b>Bryn Mawr College</b>	<b>Howard University (2)</b>	Sewanee-The University of the South	Wilmington
<b>Bucknell University (8)</b>	Indiana University at Bloomington	Shenandoah University	<b>University of Notre Dame (2)</b>
Cabrini College	Ithaca College	Siena College	University of the Pacific
<b>Carnegie Mellon University (5)</b>	<b>James Madison University</b>	<b>Skidmore College (2)</b>	University of Oregon
Case Western Reserve University (3)	<b>Johns Hopkins University (2)</b>	Smith College	<b>University of Pennsylvania (21)</b>
<b>Catholic University of America</b>	Johnson & Wales University	<b>Southern Methodist University (7)</b>	<b>University of Pittsburgh (3)</b>
<b>Centre College</b>	Juniata College	<b>Spelman College</b>	<b>University of Redlands</b>
Champlain College	<b>Kenyon College</b>	St. Andrews University	University of Rhode Island
Chapman University	La Salle University	<b>Stanford University (3)</b>	<b>University of Richmond (10)</b>
College of Charleston	<b>Lafayette College</b>	Stetson University	University of Rochester
<b>Cheyney University</b>	Le Moyne College	Stevens Institute of Technology	University of San Diego
Claremont McKenna College	<b>Lehigh University (3)</b>	Stony Brook University	University of San Francisco
Clark University	Lewis & Clark College	Suffolk University	<b>University of Scranton</b>
<b>Clemson University (3)</b>	Lock Haven University	Susquehanna University	<b>University of South Carolina (2)</b>
<b>Colby College (3)</b>	<b>Loyola University Maryland (2)</b>	<b>Swarthmore College</b>	<b>U. of Southern California (3)</b>
<b>Colgate University (3)</b>	Lynchburg College	<b>Syracuse University (8)</b>	<b>University of St Andrews (2)</b>
<b>College of William and Mary (2)</b>	Macalester College	Temple University	University of Tampa
<b>Colorado College</b>	Marist College	Texas A&M University	University of Texas, Austin
Colorado State University	Marymount Manhattan College	Texas Christian University	University of Tennessee
<b>Columbia University (3)</b>	<b>Massachusetts Institute of Tech (3)</b>	The New School	University of Toronto
<b>Connecticut College (2)</b>	McDaniel College	Ohio State University	<b>University of Vermont</b>
<b>Cornell University (5)</b>	<b>McGill University</b>	Towson University	<b>University of Virginia (7)</b>
<b>Dartmouth College (3)</b>	Merrimack College	<b>Trinity College</b>	<b>University of Wisconsin, Madison</b>
<b>Denison University</b>	<b>Miami University, Oxford</b>	Trinity College Dublin	Ursinus College
DePaul University	Middlebury College	Trinity University	Utica College
<b>Dickinson College</b>	Mills College	<b>Tufts University (3)</b>	<b>Vanderbilt University (5)</b>
<b>Drew University (2)</b>	Monmouth University	<b>Tulane University (4)</b>	<b>Vassar College</b>
<b>Drexel University (8)</b>	<b>Moore College of Art and Design</b>	Tuskegee University	<b>Villanova University</b>
<b>Duke University (7)</b>	Mount Holyoke College	Union College	<b>Virginia Commonwealth</b>
<b>Duquesne University</b>	Muhlenberg College	<b>University of Alabama (2)</b>	<b>University</b>
<b>Durham University</b>	New York Institute of Technology	University of Arizona	Virginia Tech
Earlham College	<b>New York University (8)</b>	University of British Columbia	Virginia Union University
East Stroudsburg University	North Carolina A&T State University	<b>University of California, Berkeley</b>	<b>Wake Forest University (2)</b>
Eckerd College	North Carolina Central University	<b>University of California, Davis</b>	Washington and Jefferson College
Edinburgh College	<b>Northeastern University (2)</b>	University of California, Irvine	<b>Washington and Lee University (4)</b>
Elizabethtown College	<b>Northwestern University</b>	University of California, Los Angeles	<b>Washington College</b>
<b>Elon University (10)</b>	<b>Oberlin College</b>	University of California, San Diego	<b>Washington U. in St. Louis (4)</b>
<b>Emerson College</b>	<b>Occidental College</b>	Univ. of California, Santa Barbara	<b>Wellesley College (2)</b>
Emmanuel College	Ohio Wesleyan University	University of California, Santa Cruz	<b>Wesleyan University (3)</b>
<b>Emory University (2)</b>	Old Dominion University	<b>University of Chicago</b>	West Chester University
<b>Fairfield University</b>	Pace University, New York City	<b>U. of Colorado at Boulder (2)</b>	West Virginia University
<b>Fairleigh Dickinson University</b>	<b>Pennsylvania State University (4)</b>	University College London	Wheaton College MA
Florida A&M University	Penn State U, Schreyer Hon. College	University of Connecticut	Wichita State University
Florida Institute of Technology	Pepperdine University	<b>University of Delaware (3)</b>	Widener University
<b>Fordham University</b>	Philadelphia University	<b>University of Denver</b>	<b>Williams College</b>