

## 2018 Advanced Placement Exam Student Information

### 1. Where are my exams being given?

- a. Some exams are at WSHS. Some are at Willow Creek Church. See the chart below for specifics for each test.
  - i. Willow Creek Church is 3.7 miles from WSHS and is at 4725 E. Lake Drive, Winter Springs, FL 32708.
  - ii. You will transport yourself to and from Willow Creek on the day of the exam. If transportation is a problem, please notify your AP teacher. We will provide transportation if that is necessary.
  - iii. Below are directions to the Church. Make sure you know exactly how to get there **BEFORE** the day of the exam.

*From WSHS, take a left out of the school parking lot. Turn right at the stop sign just past the baseball fields. Stay on Tuskawilla Rd, go past McDonald's over 434. You will pass Indian Trails Middle School and Keeth Elementary. After you pass Winter Springs Blvd., you will approach a red light at E. Lake Drive and you will make a right turn. The church is located on the left hand side less than one mile down the road.*

*You may **ONLY** park in the **BACK** of the church in the grass lot. There will be signs to guide you when you enter. All testing will take place in the gymnasium at the church.*

**Please remember that we are using another organization's property. Use respectful behavior at all times. This is especially important with driving and parking and waiting around before your exam. They run a daycare, and we expect our students to be great examples!**

### 2. What time do exams happen? And how long are they?

- a. You **MUST NOT BE LATE FOR ANY EXAM.**
- b. For the morning exam, arrive by 7:15 am. For the afternoon exam, arrive by 11:30 am.
- c. Most exams typically last 3.5 hours. You must also plan on another 1 – 1.5 hours to complete paper work, pass out exams, take up exams, etc.
- d. You will want to pack a lunch and snacks on days you have more than one exam.
- e. **Per Collegeboard expectations, no student will be allowed to leave early, nor will any student be admitted late.**

### 3. What about my attendance at Winter Springs High School? Do I have to go to my classes?

- a. On the day of the exam, you will be excused from the rest of your classes at WSHS. Your absence will be marked as a field trip or school activity.
- b. **If you are a senior and missing senior exams because of an AP test, you must arrange to take your senior exam with your teachers. This is your responsibility.**

### 4. What happens if I miss an exam?

- a. **If a student misses an AP exam, the student will be charged for the cost of the exam.**
- b. Because students are not allowed to enter the test if they are late, any late students will be considered a missed exam and therefore **WILL** be charged for the missed exam.

### 5. What are the specific rules while testing?

- a. **Cell phones are not permitted in the testing room.** If you cannot leave your cell phone in your car, you will be required to turn it in to the testing administrator to hold during the entire testing period, including breaks. Any student who access a cell phone during the testing time, including breaks, will have his or her test invalidated.
- b. Students may not
  - i. Open or look through the exam before the exam begins
  - ii. Give or receive assistance of any kind, including access to books, notes, or test materials during testing or breaks
  - iii. Use a cell phone, digital camera, personal assistant, BlackBerry, smartphone, Bluetooth-enabled device, MP3 player or any other electronic or communication device during testing or during a break
  - iv. Use aides, such as a dictionary or calculator, when they are not permitted
- c. Students who are involved in any misconduct during testing (including the list above, but not limited to the list above) will be asked to turn in their exam materials and leave the testing room. These students may not return to the testing room, and their exam grades will automatically be cancelled.

## 2018 Advanced Placement Exam Student Information

### 2018 AP Exam Schedule

Mon., May 7	7:30 am	AP Chemistry	Willow Creek Gym
		AP Spanish Lit	WSHS Professional Library
	11:30 am	AP Psychology	Willow Creek Gym
Tues., May 8	7:30 am	AP Seminar	Willow Creek Gym
		AP Spanish Lang.	WSHS 5-120 and 5-119
	11:30 am	AP Art History	WSHS Makers Space
		AP Physics 1	Willow Creek Gym
Wed., May 9	7:30 am	AP English Lit.	Willow Creek Gym
	11:30 am	AP Physics 2	Willow Creek Gym
Thurs., May 10	7:30 am	AP US Gov.	Willow Creek Gym
	11:30 am	AP Enviro. Science	Willow Creek Gym
Fri., May 11	7:30 am	AP US History	WSHS Gym
	11:30 am	AP Comp. Sci. Prin.	WSHS Gym
Mon., May 14	7:30 am	AP Biology	Willow Creek Gym
		AP Music Theory	WSHS Band Room/Sound Proof Room
	11:30 am	AP Physics C	WSHS Professional Library
Tues., May 15	7:30 am	AP Calc. AB	Willow Creek Gym
		AP Calc. BC	Willow Creek Gym
	11:30 am	AP French	WSHS 5-120
		AP Comp Sci. A	Willow Creek Gym
Wed., May 16	7:30 am	AP English Lang.	Willow Creek Gym
	11:30 am	AP Macroeconomics	Willow Creek Gym
Thurs., May 17	7:30 am	AP World History	Willow Creek Gym
	11:30 am	AP Statistics	Willow Creek Gym
Fri., May 18	7:30 am	AP Human Geography	WSHS Gym
		AP Micro Econ.	WSHS Professional Library
	11:30 am	AP European History	WSHS Makers Space
		AP Latin	WSHS Professional Library

**\*\*Late exams and exams for students with accommodations will all take place at WSHS. Those students affected will be contacted directly.**

## Calculator Policy

Calculators are allowed only for some or all parts of AP Exams in these subjects: Biology, Calculus (AB/BC), Chemistry, Physics 1, Physics 2, Physics C: Mechanics, Physics C: Electricity and Magnetism, and Statistics. (Calculators are not allowed for any other AP Exams, including Macroeconomics, Microeconomics, and Environmental Science.) Students may bring up to two permitted calculators to the exam. Graphing calculators must be on the approved calculator list. See page 52.

### Biology

Type of Calculator	Exam Section I Multiple Choice	Exam Section II Free Response
<ul style="list-style-type: none"> <li>▪ Allowed:                             <ul style="list-style-type: none"> <li>◆ Four-function calculator (with square root)</li> <li>◆ Scientific (nongraphing) calculator, but must not have unapproved features or capabilities (see the list of unapproved calculators and technology on page 50)</li> <li>◆ Graphing calculator</li> </ul> </li> </ul>	Allowed	Allowed

### Calculus AB/Calculus BC

Type of Calculator	Exam Section I Multiple Choice	Exam Section II Free Response
<ul style="list-style-type: none"> <li>▪ Graphing calculator required and expected to have built-in capability to:                             <ul style="list-style-type: none"> <li>◆ Plot the graph of a function within an arbitrary viewing window</li> <li>◆ Find the zeros of functions (solve equations numerically)</li> <li>◆ Numerically calculate the derivative of a function</li> <li>◆ Numerically calculate the value of a definite integral</li> <li>◆ If these capabilities aren't built in, the student should enter appropriate programs into the calculator before the exam</li> </ul> </li> <li>▪ Not allowed:                             <ul style="list-style-type: none"> <li>◆ Nongraphing and other types of calculators are prohibited, even as a second calculator</li> </ul> </li> </ul>	Not allowed for Part A  Required* for Part B	Required* for Part A  Not allowed for Part B

\*Required\* indicates some questions cannot be answered without a graphing calculator and no other calculator type is permitted.

### Chemistry

Type of Calculator	Exam Section I Multiple Choice	Exam Section II Free Response
<ul style="list-style-type: none"> <li>▪ Allowed:                             <ul style="list-style-type: none"> <li>◆ Four-function calculator (not recommended)</li> <li>◆ Scientific (nongraphing) calculator (recommended), but must not have unapproved features or capabilities (see the list of unapproved calculators and technology on page 50)</li> <li>◆ Graphing calculator</li> </ul> </li> </ul>	Not allowed	Allowed

### Physics 1, Physics 2, Physics C: Mechanics, Physics C: Electricity and Magnetism

Type of Calculator	Exam Section I Multiple Choice	Exam Section II Free Response
<ul style="list-style-type: none"> <li>▪ Allowed:                             <ul style="list-style-type: none"> <li>◆ Four-function calculator</li> <li>◆ Scientific (nongraphing) calculator, but must not have unapproved features or capabilities (see the list of unapproved calculators and technology on page 50)</li> <li>◆ Graphing calculator</li> </ul> </li> </ul>	Allowed	Allowed

## Preparing Students

### Statistics

Type of Calculator	Exam Section I Multiple Choice	Exam Section II Free Response
<ul style="list-style-type: none"> <li>▪ Allowed:               <ul style="list-style-type: none"> <li>♦ Graphing calculator with statistical capabilities expected*</li> <li>♦ Scientific (nongraphing) calculator if the calculator has the required statistics computational capabilities described in the AP Statistics Course Description                   <ul style="list-style-type: none"> <li>– Computational capabilities should include standard statistical univariate and bivariate summaries, through linear regression</li> <li>– Required capabilities may be either built in or programmed into the calculator before the exam</li> </ul> </li> <li>♦ Graphical capabilities should include common univariate and bivariate displays such as histograms, boxplots, and scatterplots</li> <li>♦ It is up to the student to determine if the calculator meets the criteria of required computational and graphical capabilities</li> </ul> </li> <li>▪ Not allowed:               <ul style="list-style-type: none"> <li>♦ Enhancements other than those that improve the calculator's computational and/or graphical functionalities are prohibited. Unacceptable enhancements include, but are not limited to, keying or scanning text or response templates into the calculator</li> </ul> </li> </ul>	Expected*	Expected*

\*Although scientific calculators with computational capabilities (standard statistical univariate and bivariate summaries, through linear regression) are allowed, students are expected to use a graphing calculator.

Ask AP teachers to remind students several days before the exam to:

- bring the appropriate calculator on exam day
- check the features that are required or not permitted
- check the batteries in the calculator (fresh batteries are recommended)

Teachers should refer students to [collegeboard.org/ap/calculators](http://collegeboard.org/ap/calculators) for the most current list of approved graphing calculators. Students may bring up to two calculators to exams, but they cannot share them.



**EXAM SECURITY** Since graphing calculators can be used to store data, including text, proctors should monitor that students are using their calculators appropriately. Attempts by students to use the calculator to remove exam content from the room may result in the cancellation of AP Exam scores. However, calculator memories do not need to be cleared before or after the exam.

For security reasons, some calculators require special instructions.

- Calculators with large display (characters of  $\geq 1"$  or display raised from the horizontal (tilted or hinged screen) may be visible to other students, so seat students using these calculators at the back of the testing room.
- Calculators with infrared communication capabilities are permitted. However, because data can be exchanged between these calculators if they are aligned and close together, proctors should make sure that students keep their calculators sufficiently far apart and the infrared ports are not facing each other.
- Calculators with built-in physical constants, metric conversions, and physics, chemistry, or mathematics formulas are permitted. Calculator memories do not need to be cleared before or after the exam.

- The Hewlett-Packard 48-50 Series and Casio FX-9860 graphing calculators may use memory cards designed for use with those calculators.
- The Casio FX-CG500 calculator is permitted only without the use of the stylus.

#### Unacceptable calculators and technology

- Cell phones, smartphones, smartwatches, and other wearable technology
- Portable/handheld computers, tablets, laptops, electronic writing pads, pocket organizers
- Models with QWERTY (i.e., typewriter) keypads as part of the hardware or software (e.g., TI-92 Plus, Voyage 200)
- Models with pen-input/stylus capability (e.g., Palm, PDAs, Casio ClassPad)
- Models with wireless or Bluetooth capability
- Models that require an electrical outlet, "talk" or make noise, or have a paper tape
- Models that can access the internet
- Models that have cell phone capability or audio/video recording capability
- Models that have a camera or scanning capability
- Models with touch-screen capability that aren't on the list of approved graphing calculators (e.g., Casio ClassPad)
- Hardware peripherals such as a stylus, keyboard, or wireless adapter with an approved calculator

\*Unless approved by the College Board SSD Office as an accommodation

Preparing Students

**AP-APPROVED GRAPHING CALCULATORS**

Casio	Casio cont.	Radio Shack	Texas Instruments
FX-6000 Series	FX-CG-10*	EC-4033	TI-73
FX-6200 Series	FX-CG-20 Series*	EC-4034	TI-80
FX-6300 Series	FX-CG-50*	EC-4037	TI-81
FX-6500 Series	Graph35 Series*		TI-82*
FX-7000 Series	Graph75 Series*	Sharp	TI-83*
FX-7300 Series	Graph95 Series*	EL-5200	TI-83 Plus*
FX-7400 Series	Graph100 Series*	EL-9200 Series*	TI-83 Plus Silver*
FX-7500 Series	FX-CG500†	EL-9300 Series*	TI-84 Plus*
FX-7700 Series		EL-9600 Series*†	TI-84 Plus CE*
FX-7800 Series	Hewlett-Packard	EL-9900 Series*	TI-84 Plus Silver*
FX-8000 Series	HP-9G		TI-84 Plus C Silver*
FX-8500 Series	HP-28 Series*	Other	TI-84 Plus T*
FX-8700 Series	HP-38G*	Datexx DS-883	TI-84 Plus CE-T*
FX-8800 Series	HP-39 Series*	Micronta	TI-85*
Graph25 Series	HP-40 Series*	Smart‡	TI-85*
FX-9700 Series*	HP-48 Series*		TI-89*
FX-9750 Series*	HP-49 Series*		TI-89 Titanium*
FX-9860 Series*	HP-50 Series*		TI-Nspire*
CFX-9800 Series*	HP Prime*		TI-Nspire CX*
CFX-9850 Series*			TI-Nspire CAS*
CFX-9950 Series*			TI-Nspire CX CAS*
CFX-9970 Series*			TI-Nspire CM-C*
FX 1.0 Series*			TI-Nspire CM-C CAS*
Algebra FX 2.0 Series*			TI-Nspire CX-C CAS*

\* Graphing calculators with the expected built-in capabilities for AP Calculus are indicated with an asterisk. See the *AP Calculus AB and AP Calculus BC Course and Exam Description, effective Fall 2016* for details. However, students may bring any calculator on the list to the exam; any model within each series is acceptable. Only approved graphing calculators from the list are permitted for the AP Calculus Exams.

† The use of the stylus is not permitted.

This list will be updated at [collegeboard.org/ap/calculators](http://collegeboard.org/ap/calculators), as necessary, to include new approved calculators. Check this list periodically, and before the administration of the exams, to ensure that students have the most up-to-date information.

This list only includes approved graphing calculators. There is not an approved list of scientific (nongraphing) calculators.

# Willow Creek Church Campus

060816

