



2020 AP[®] Testing Guide



April 2020

Summary of Resources for AP 2020 Testing—available at [cb.org/ap2020](https://collegeboard.org/ap2020)

1. **This Testing Guide.**
2. **An Exam Day Checklist** each student should complete in advance of each AP Exam they take.
3. **Required Documents** that students should print or download for specific exams.
4. **Testing Demo** each student should use before testing; if students can't access this demo, they'll be unable to access the actual test without completing the troubleshooting steps on slide 51.
5. **AP world language and culture exams page** for students taking these exams, with additional important details.
6. **Detailed FAQs**, linked from the main FAQs page.

CollegeBoard AP Sign In Search

AP Coronavirus Updates Home Students Educators Coordinators FAQs

Updates for AP Students and Schools Affected by Coronavirus

The coronavirus pandemic has created new challenges for schools and students. To support students in continuing their AP journey even if their school is closed, we're offering free online AP classes and take-at-home AP Exams for 2020.

AP 2020 Exams

AP Exams will be administered differently this year. Get a quick overview.

Watch Video

MAY 11-22

What's in This Guide

1

About Your AP Exam E-Ticket

Your entry key to the exam.

2

Five Steps to Take Before Exam Day

Key steps to take to get ready for exams.

3

Exam Day

Tips for successfully completing your online AP Exams.

4

Exam Scores, Credit, and Placement

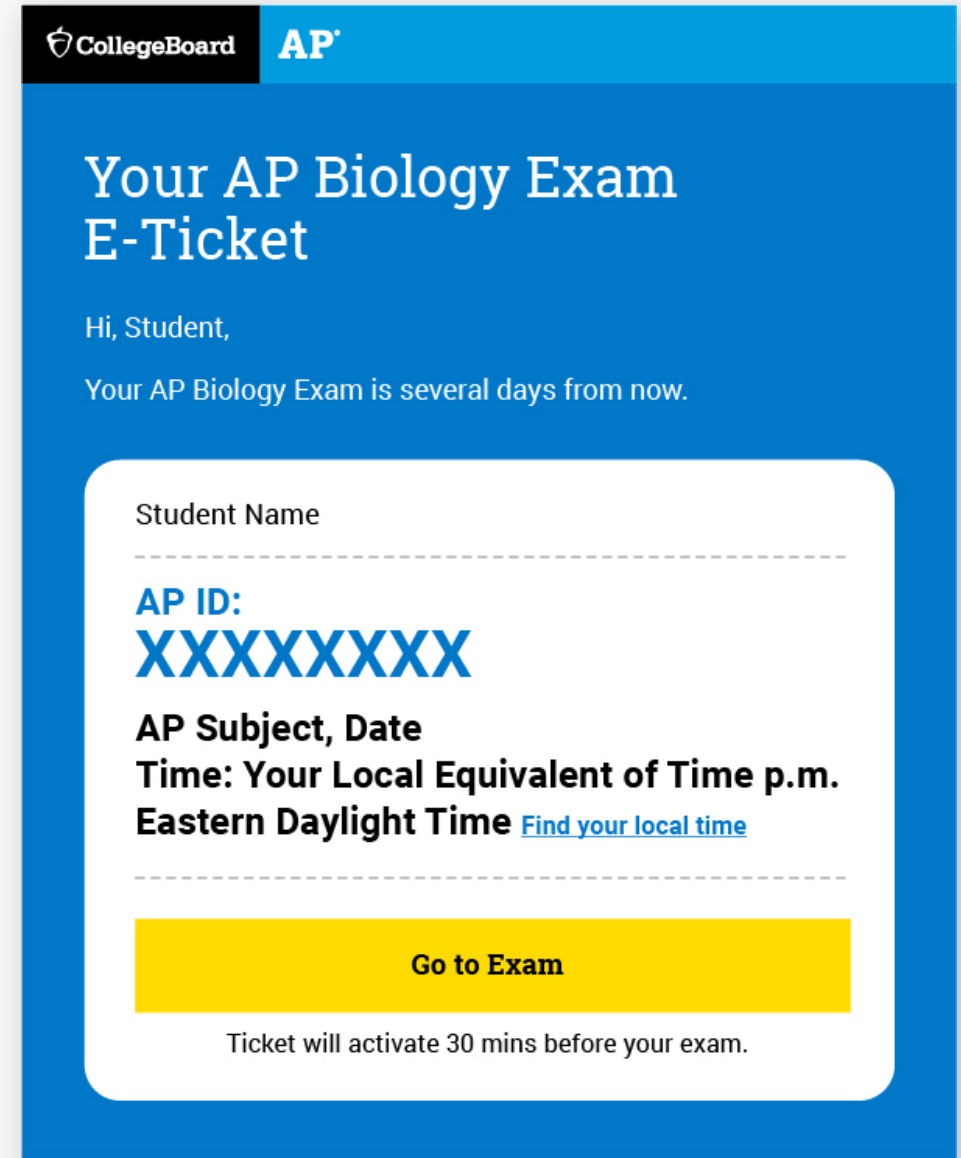
Learn when scores will be released and how widespread college support is.

1

About Your AP Exam E-Ticket

You Need an AP Exam E-Ticket to Test

- You'll receive your e-ticket by email **two days before** each test. On exam day, you'll need this e-ticket to check in to your exam.
 - You'll get a unique ticket for **each** exam you're registered for.
 - You can also access your e-ticket in your student account on My AP (myap.collegeboard.org).
- Each e-ticket is personalized for YOU and isn't transferrable.
- **DON'T SHARE** your e-ticket with anyone—you could lose your chance to test.
- The AP Program can't accept any additional exam registrations for this year's online, at-home exams.
- Make sure to save your May e-ticket email in case you need to request a makeup exam.



The image shows a screenshot of an email notification from CollegeBoard. At the top left is the CollegeBoard logo, and at the top right is the AP logo. The main heading is "Your AP Biology Exam E-Ticket". Below this, it says "Hi, Student," and "Your AP Biology Exam is several days from now." The email content is contained within a white rounded rectangle on a blue background. It starts with "Student Name" followed by a dashed line. Then it says "AP ID:" followed by "XXXXXXXXXX" in large blue letters. Below that, it says "AP Subject, Date" and "Time: Your Local Equivalent of Time p.m. Eastern Daylight Time" with a link "Find your local time". At the bottom of the white box is a yellow button that says "Go to Exam". Below the button, it says "Ticket will activate 30 mins before your exam."

Your E-ticket will be valid for the May Exam Schedule

- All registered students have been scheduled for these May dates, whether or not they were originally registered for regular or late-testing exams.
- Unless there's a significant conflict, students should test in May so they have the June dates as a backup if they have any disruptions.
- If you can't test on one of these dates, **don't use** your e-ticket for that exam — you'll automatically receive a different e-ticket for makeup testing in June.

Exam Start Times ▶ Local times may vary depending on a student's geographic location.	Hawaii Time: 6 a.m. Alaska Time: 8 a.m. Pacific Time: 9 a.m. Mountain Time: 10 a.m. Central Time: 11 a.m. Eastern Time: 12 p.m. Greenwich Mean Time: 4 p.m.	Hawaii Time: 8 a.m. Alaska Time: 10 a.m. Pacific Time: 11 a.m. Mountain Time: 12 p.m. Central Time: 1 p.m. Eastern Time: 2 p.m. Greenwich Mean Time: 6 p.m.	Hawaii Time: 10 a.m. Alaska Time: 12 p.m. Pacific Time: 1 p.m. Mountain Time: 2 p.m. Central Time: 3 p.m. Eastern Time: 4 p.m. Greenwich Mean Time: 8 p.m.
Primary			
Mon., May 11	Physics C: Mechanics	Physics C: Electricity and Magnetism	United States Government and Politics
Tues., May 12	Latin	Calculus AB Calculus BC	Human Geography
Wed., May 13	Physics 2: Algebra-Based	English Literature and Composition	European History
Thurs., May 14	Spanish Literature and Culture	Chemistry	Physics 1: Algebra-Based
Fri., May 15	Art History	United States History	Computer Science A
Mon., May 18	Chinese Language and Culture	Biology	Environmental Science
Tues., May 19	Music Theory	Psychology	Japanese Language and Culture Italian Language and Culture
Wed., May 20	German Language and Culture	English Language and Composition	Microeconomics
Thurs., May 21	French Language and Culture	World History: Modern	Macroeconomics
Fri., May 22	Comparative Government and Politics	Statistics	Spanish Language and Culture

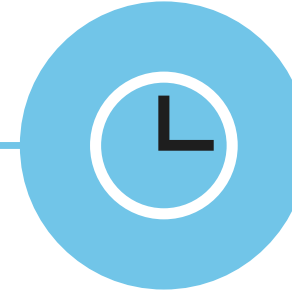
All Exams Offer a June Makeup Date

- Reminder: If you have a conflict in May and don't use your May e-ticket, you'll automatically receive a June e-ticket for that exam.
- You'll also be able to request an e-ticket for June makeup dates if you have any disruption during your May exam.
- You'll receive your makeup e-ticket two days before your exam.
- There are more exam conflicts in June, and no additional scheduled make-up dates after June 1 - 5, so test in May unless it's not possible to do so.

Exam Start Times ▶ Local times may vary depending on a student's geographic location.	Hawaii Time: 6 a.m. Alaska Time: 8 a.m. Pacific Time: 9 a.m. Mountain Time: 10 a.m. Central Time: 11 a.m. Eastern Time: 12 p.m. Greenwich Mean Time: 4 p.m.	Hawaii Time: 8 a.m. Alaska Time: 10 a.m. Pacific Time: 11 a.m. Mountain Time: 12 p.m. Central Time: 1 p.m. Eastern Time: 2 p.m. Greenwich Mean Time: 6 p.m.	Hawaii Time: 10 a.m. Alaska Time: 12 p.m. Pacific Time: 1 p.m. Mountain Time: 2 p.m. Central Time: 3 p.m. Eastern Time: 4 p.m. Greenwich Mean Time: 8 p.m.
Makeup			
Mon., June 1	United States Government and Politics Physics C: Mechanics	Human Geography Physics C: Electricity and Magnetism	Calculus AB Calculus BC Latin
Tues., June 2	English Literature and Composition Spanish Literature and Culture	Physics 1: Algebra-Based European History	Chemistry Physics 2: Algebra-Based
Wed., June 3	United States History Chinese Language and Culture	Environmental Science Computer Science A	Biology Art History
Thurs., June 4	World History: Modern Macroeconomics	Spanish Language and Culture Comparative Government and Politics	Statistics French Language and Culture
Fri., June 5	English Language and Composition German Language and Culture	Japanese Language and Culture Italian Language and Culture Microeconomics	Psychology Music Theory

Reminders About the Exam Schedule

- Each subject's exam will be taken **simultaneously worldwide**. Your **AP teacher or coordinator will help you identify your local testing time**.
- Students taking Art and Design: 2D, 3D, or Drawing, Computer Science Principles, Research, and/or Seminar won't take online exams. Portfolio submissions are due **May 26, 11:59 p.m. Eastern Daylight Time**.



Online exams start at **your local equivalent** of 12 p.m., 2 p.m., or 4 p.m. Eastern Daylight Time.

You must calculate the start time for **YOUR** time zone.

For example, here are the Monday, May 18, AP Biology Exam local start times for students in three different time zones:

Los Angeles	New York (Eastern Daylight Time)	Madrid
11 a.m.	2 p.m.	8 p.m.

What to Expect on This Year's Exams

- **It won't be more difficult to earn a 3, 4, or 5 this year.** Even if an exam question seems more difficult to you than you expected, don't worry—difficult questions require fewer points to earn 3s, 4s, and 5s than easier questions require. So this year's scores will be very similar to prior years' scores. Just stay calm, read each part of the question, and simply show what you know and can do within the time you have.
- **AP Exams are never graded on a curve—and this year's exams are no different.** You're not competing against any other students. There's no maximum or minimum number of students who can receive a specific score. All students who earn the required points will get scores of 3, 4, or 5 this year.
- **Don't worry if you don't complete all parts of the question** before you need to attach and submit your response. To give students as many different chances to demonstrate what they know as possible, a question may have more parts than can be answered in the allowed time. You don't need to complete the entire question to get a score of 5, but you do need to submit whatever work you've done.



You're an AP student—you're a resilient problem solver.

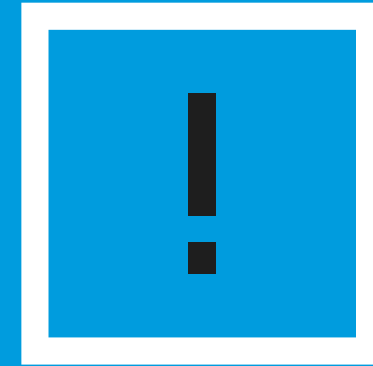
Remember that if you see part of a question that feels unfamiliar to you, stick with it. It may be asking you to use your knowledge and skills to analyze a new situation. So stay calm and look for ways to apply what you know to whatever you see on the exam.

What to Expect on This Year's Exams

Because creating a good testing environment at home is a challenge for some students, the exam is much shorter this year.

In a year when the exam provides you with fewer questions than usual to show the extent of what you learned this year, we want to ensure you have a fair opportunity to show what you know and earn college credit.

So AP teachers will have the chance to review your score and your exam responses this summer. If you don't receive a score of 3 or higher and your teacher is convinced you should have, your teacher will be able to engage with the AP Program's college faculty partners **to review and confirm your score**, ensuring it's fair and appropriate.

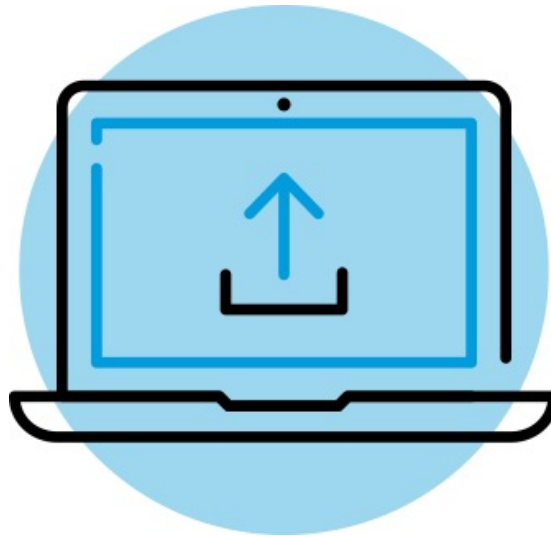


If you don't get a score of 3 or higher because of the shorter exam format, your teacher will be able to request a review and confirmation of your score.

The exam questions are viewed by students in a web browser, like Chrome. Students type or write their responses outside that browser. They then choose from three options to submit responses:



**Copy and paste
a typed response.**



Attach a typed response.



**Attach one or more photos
of a handwritten response.**

Music theory and world language and culture exams have specific requirements on slides 15-16.

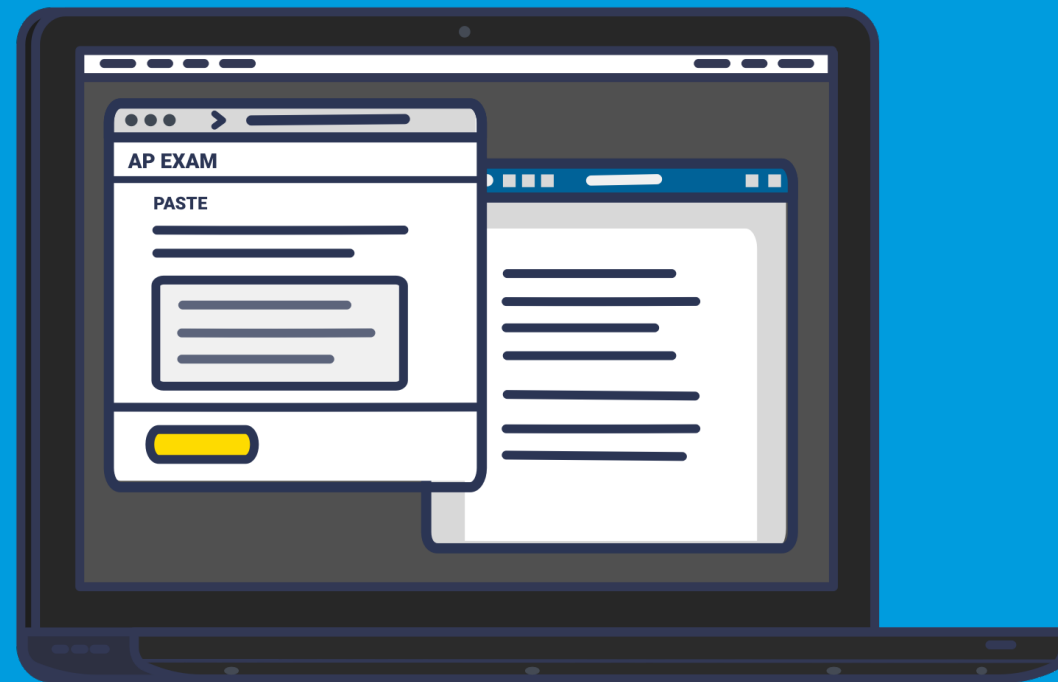
Option 1: Copy-and-paste a typed response, and then click **Submit**

Best device to use: laptop or desktop computer

- Type your response in Google Docs, Microsoft Word, Notes, or a similar application. Don't include images. Save your work often.
- Type your AP ID and initials at the top of the response.
- When the timer has 5 minutes remaining, copy-and-paste your response into the space indicated, and click **Submit**.

Exam day setup: side-by-side windows

- Window 1 – Chrome, Firefox, Safari, or Edge in which the exam question(s) will appear after you click on your e-ticket.
 - Displays test question(s)
 - Displays timer
 - Use to paste and submit typed response
- Window 2 – Where you type your document: a Google Doc, Microsoft Word, Notes, etc.



Option 2: Attach a document and then click **Submit**

Best device to use: laptop or desktop computer

- Type your response in Google Docs, Microsoft Word, Notes, or a similar application – any program is ok, as long as it can save in one of the accepted file formats (.doc, .docx, .pdf, .txt, .odt)
- Don't include images. Save your work often.
- Save your document in one of the accepted file formats
- Type your AP ID and initials at the top of the response.
- When the timer has 5 minutes remaining, attach your response and click **Submit**.
- If your exam has two questions, you must create, save, attach, and submit two separate documents, one for each question.

Exam day setup: side-by-side windows

- Window 1 – Chrome, Firefox, Safari or Edge in which the exam question(s) will appear after you click on your e-ticket.
 - Displays test question(s)
 - Displays timer
 - Use to attach and submit text file
- Window 2 – Where you type your document: a Google Doc, Microsoft Word, or Notes



Option 3: Attach photos of handwritten response and then click **Submit**

Best device to use: smartphone or tablet

- Write your AP ID, initials, and page number at the top of EACH page of the response.
- Write your response clearly with dark pen or pencil.
- When the timer has 5 minutes remaining, take a photo of your response in vertical orientation, i.e., not landscape.
- One page per photo. If your response is longer than one page, you'll need to attach multiple photos (maximum of 5 photos per test question) before clicking **Submit**.
- Make sure to attach **all** of your pages before you click **Submit**.
- Acceptable file formats: .png, .jpg, .jpeg.

Exam day setup:

- Smart phone or tablet
 - Displays test question (you may need to scroll within a question)
 - Displays timer
 - Use to take photos of written work
 - Use to attach and submit photos of written work



1. Craft response via pen and paper



2. Take picture of response



3. Attach photo(s) then click "Submit"

Music Theory Exam

Best device to use: smartphone or tablet

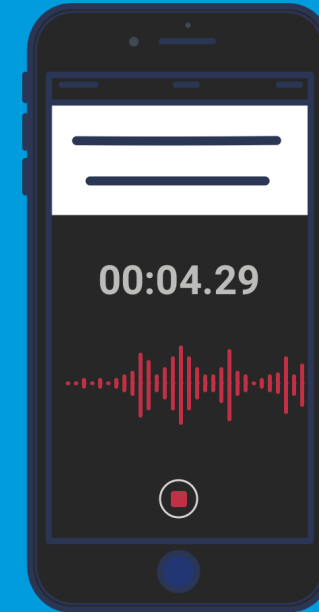
Before the exam:

- Print or copy by hand the **2020 Question 1 Music Theory Answer Sheet**. Download at [cb.org/apexamdaydocs](https://collegeboard.org/apexamdaydocs). TIPS: Prepare extra answer sheets in case of mistakes; have extra staff paper for scratch work.
- Make sure you have an **audio recording app or audio recording software**, such as Recorder, Voice Memos, GarageBand (or Audacity, if you're using a computer) to record your sight-singing performance.

On exam day:

- Copy by hand portions of Question 1 onto your answer sheet, and then complete the question.
- Take a photo of your completed answer sheet, attach it, and click **Submit** before time expires for Question 1.
- Follow the directions to record your melodies for Question 2, pausing when instructed to ensure that both melodies are included in a **single audio file**.
 - Accepted file formats: .m4a, .mp3, .wav, .ogg
- Attach your file, and click **Submit** before time expires for Question 2.

Detailed information about Music Theory exams is available at [cb.org/apmusictheory](https://collegeboard.org/apmusictheory).



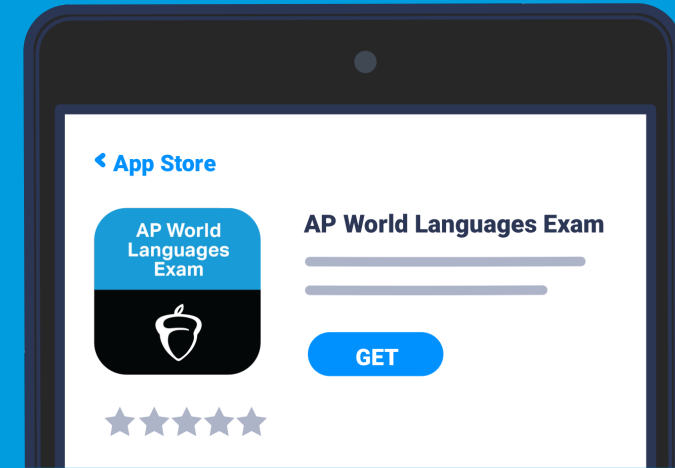
REMEMBER:

You must have your own recording app or software.

World Language Exams

Required device: iOS or Android tablet or smartphone; these exams CANNOT be taken on laptop or desktop computers

- World language and culture exams (Chinese, French, German, Italian, Japanese, and Spanish) consist of speaking tasks only.
- Before the exam, you must download the free AP World Languages Exam App—available in both the Apple App Store and the Google Play Store.
 - Practice using the app (before exam day, the app is in practice mode).
 - If asked, grant the app permission to access your microphone.
- Headphones with microphone are permitted but not required.
- Exam day readiness check:
 - Make sure your tablet or phone can access the internet by Wi-Fi or cellular data, has at least 30MB of available storage, and is charged to at least 25% power or is plugged in.
 - Make sure the AP World Languages Exam App is **closed on your device** before you click your e-ticket to get started.
- Taking the exam:
 - Check in to your exam with your e-ticket on the device that has the AP World Languages Exam App installed. Complete any requested information.
 - When prompted, select **Start My Exam** to launch the app and complete your exam.
 - If asked, grant the app permission to access your microphone.
 - The app will automatically record your responses and submit them.



Practice with AP World Languages Exam App.

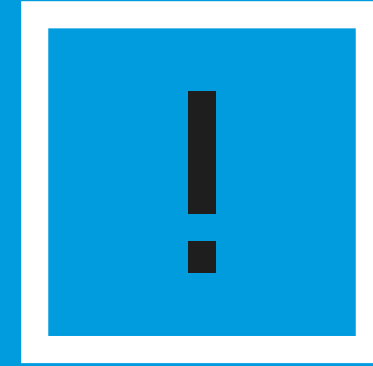
Available for download the week of May 11.

Learn More at cb.org/apworldlanguages

Testing with Accommodations

Details at [cb.org/ap2020accommodations](https://collegeboard.org/ap2020accommodations)

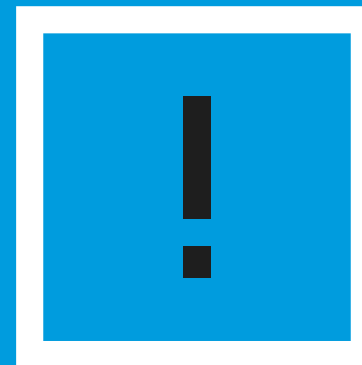
- Students with approved accommodations don't need to submit any further requests.
- Extended time will be provided through the online exam.
- Online AP Exams will be compatible with assistive technology (e.g., screen-reader software) and zoom functionality in a browser.
- Students approved for screen-reader software should ensure it works with Chrome, Firefox, Safari, or Microsoft Edge because Internet Explorer can't be used for AP testing.
- Students approved to use specific devices or aids may use what they have access to at home.
- Students approved for a reader or scribe may be assisted by a family or household member while testing.
- **Temporary Afflictions:** A student who has a temporary medical or physical condition (e.g., an injured hand) may request temporary assistance if needed to take the exam. Review details at [cb.org/ap2020accommodations](https://collegeboard.org/ap2020accommodations).



As always, students may **only** use accommodations that they've been approved for by College Board Services for Students with Disabilities (SSD).

Requesting a Makeup Exam

- If you have any issue on exam day that prevents you from testing successfully, you'll be directed to an online **AP Makeup Testing Request Form** where you can describe what happened and request an e-ticket for a June makeup exam.
- You can also access the form at [cb.org/requestmakeup](https://collegeboard.org/requestmakeup)
- You **must** have your original e-ticket when filling out the form.
- Submit the form within 48 hours of your original exam date.
- We will review your form and send you an email approving or denying the request the week of May 25. If approved, your makeup e-ticket will be sent two days before the makeup test.
- Do not call AP Services; the pandemic has closed call centers and you will simply hear a message directing you to fill out the form and await the approval email.
- Rest assured that you will receive approval for any of the following types of issues you encounter, or similar ones: sickness; significant interruptions from family members; battery failures; power outages; technical disruptions. **Note:** simply running out of time to submit a response on exam day is not a valid reason to request makeup testing.

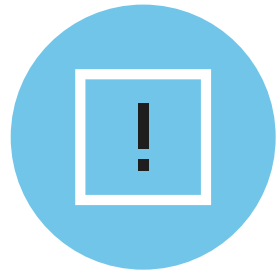


The makeup testing request form is **ONLY** for students who test in May, encounter issues, and need another opportunity to test.

Students that already have known conflicts with the May dates can test in June simply by not using their May e-ticket – they will automatically be issued a June e-ticket.



The exam screen will guide students step by step on test day from the moment they click their e-ticket. Most students will be able to navigate the test using only the information on the preceding slides.



But unexpected events may occur when testing at home, and some students will benefit from additional preparation and technology checks.



The remaining slides provide further details and tips. We encourage teachers and students to work through the remaining slides together to confirm readiness for at-home AP Exams.

2

Five Steps to Take Before Exam Day

Five Steps to Take Before Exam Day

We have a simple checklist you can use to make sure you've completed these steps.

1

Review Your Contact Information

If you aren't receiving emails from the AP Program, log in to My AP to see the email address you used when you registered to test.

3

Practice Submitting Your Response

Use the online AP Exam demo at cb.org/apdemo. The AP World Languages Exam App will be available by the week of May 11 and includes a practice mode.

5

Receive Your Exam Confirmation and E-Ticket Emails

You'll get emails with your AP ID and your exam e-ticket. This information will also be in your My AP account.

2

Check Your Tech

Choose and prepare the device and documents you'll use.

4

Gather What You Need for Each Exam

Consult cb.org/apexamdaydocs then download, print, or gather additional materials for your specific exams.

Review Your Contact Information

If you haven't received email updates from the AP Program:

1. Sign into My AP (myap.collegeboard.org).
2. Confirm your email address:
 - Click your profile at the top right-hand corner.
 - Go to Account Settings and confirm that your email address is the one you want to use for your e-ticket.
 - If you need to change your email address, click **Update**.
3. In Subscriptions, confirm that you've checked the box to receive updates from College Board.
4. Then, create a new contact with the email address collegeboard@e.collegeboard.org in your address book or safe sender list.

Don't worry—if you still can't get emails from AP, your e-ticket will also be posted in your My AP account.

The screenshot shows the 'Update Your College Board Account' page. At the top, there is a navigation bar with the CollegeBoard logo, a search bar, and a user profile icon. The page title is 'Update Your College Board Account' with an 'Account Help' link. Below the title, there is a note '* = Required'. The form is divided into a 'General Information' section. It includes fields for 'First name:' (with a value of 'Demo'), 'Middle initial:', 'Last name:' (with a value of 'Student'), and 'Gender:' (with radio buttons for 'Female', 'Male', and 'Another (not listed)'). The 'Date of birth:' field is a date picker showing 'December', '20', and '1998'. There are also fields for 'Email address:' and 'Confirm email address:', both containing the value 'demo.student@myap.org'.

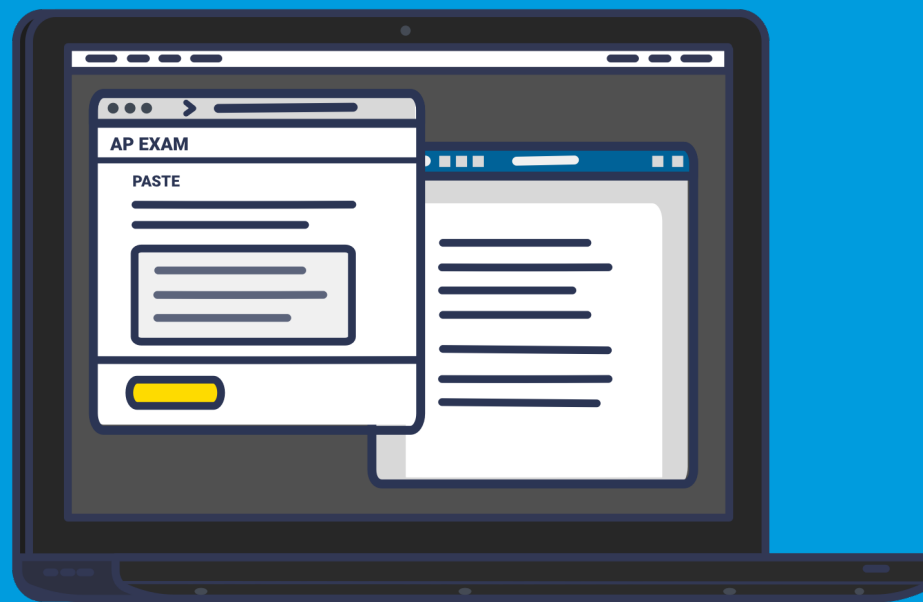
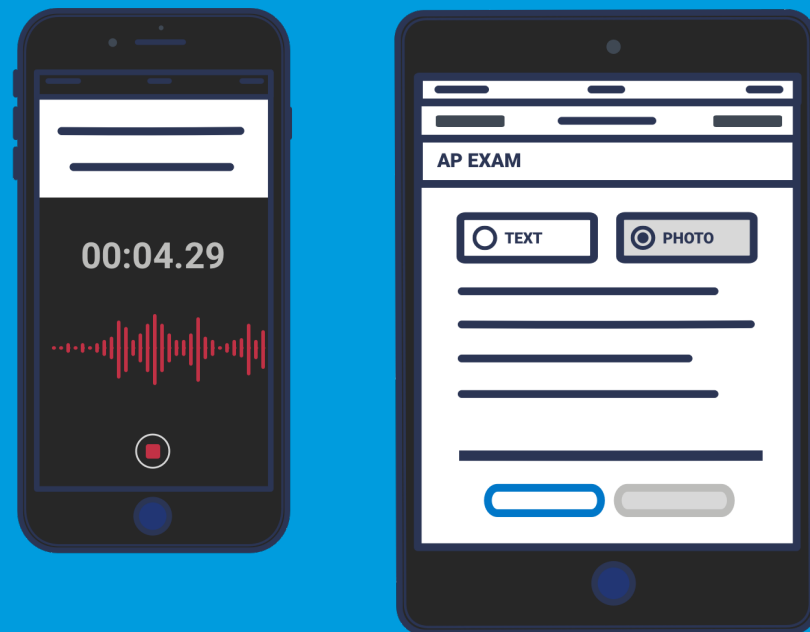
Check Your Tech: Choose Your Device

Check that you have the appropriate device for your exam and how you're planning to create your response.

- You **won't** need the lockdown browser on your device.
- If you have the Grammarly plug-in on your computer, you'll need to remove it to test.
- Remember: world language exams have specific device requirements.

When choosing between handwriting and typing, keep in mind:

- This year's questions won't require you to submit graphs or diagrams.
- You may be more comfortable handwriting responses in Calculus, Chemistry, and Statistics. But if you want to type your responses in those subjects, a guide for how to type symbols and formulas can be downloaded at [cb.org/apexamdaydocs](https://collegeboard.org/apexamdaydocs).
- In most other subjects, using a smartphone will require scrolling back and forth within a question, which many students will find frustrating, so we recommend a desktop or laptop if available.



Check Your Tech: Prepare Your Documents for Typing

- Decide whether you'll be using **Google Docs, Microsoft Word, Notes, or another application that can save in one of the accepted file formats.**
- We recommend turning on auto-save or similar features.
- If you're using a cloud document, like Google Docs, and want to attach your document rather than copy-and-paste, remember that you'll need to download your response in one of the accepted file formats (.doc, .docx, .pdf, .txt, .odt) and save it to your device.
- Before test day, prepare your doc(s) by typing your AP ID and initials at the top and then saving it to a clearly labeled folder on your desktop so it will be easy to find.
 - For AP English and AP history exams, you'll need to create just one document per exam.
 - All other AP Exams have two questions this year, so you'll need to create and save two documents per exam. Name them clearly so you know you're attaching the right one at the right time, such as
 - APBiologyQuestion1.docx
 - APBiologyQuestion2.docx

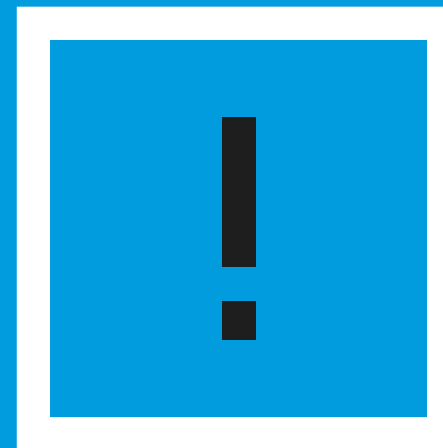


IMPORTANT:

You'll create your response in a document of your choice, and then either copy/paste or attach and then submit your response within the online AP Exam.

Check Your Tech: Prepare Your Documents for Handwriting

- Use white paper (lined or unlined). Music Theory requires an answer sheet.
- Use paper that's standard size (8.5 x 11 inches) or close to it.
- Use a number 2 pencil or a pen with black or blue ink.
- Because the maximum number of pages you can attach per question is 5, at most you'll need 5 pages for AP English and AP history exams, and 10 pages for all other exams. But it's highly unlikely you would need to use this many pages for your responses, which can often be answered fully in just 1-2 pages.
- Before test day, prepare your pages by writing your AP ID, your initials, and a page number at the top of **each page** as follows:
 - Up to 5 pages for question 1, numbered 1 to 5
 - Up to 5 pages for question 2, numbered 1 to 5



IMPORTANT:

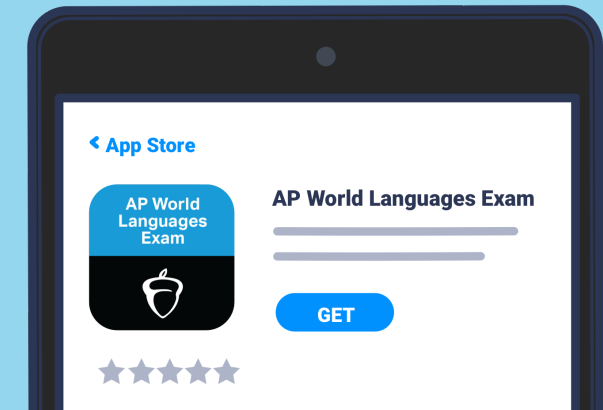
You'll write your response with pen or pencil on your own paper, take a photo of each page, attach all photos, and submit them.

Use the AP 2020 Exam Demo to Practice and Test Your Tech



Practice submitting responses with the exam demo.

You can access an AP 2020 Exam Demo at [cb.org/apdemo](https://collegeboard.org/apdemo). It will allow you to practice the different ways to submit your responses. If you can't connect to this demo from your planned testing device, you'll not be able to access the real exam on test day. Update your browser (see tips on slide 51). Then try again. If you still can't access the Demo, ask for your AP coordinator's help to contact your school's tech experts for assistance.



World language students can practice with their exam app.

Beginning the week of May 11, if you're taking world language exams, download the AP World Languages Exam App. Before your exam, use the app's practice mode to become familiar with its features, test your technology's compatibility, and check the quality of sound in your intended exam location. After you practice using the app, you must close it on your device before testing.

What Students Need on Exam Day

Find required or recommended docs at [cb.org/apexamdaydocs](https://collegeboard.org/apexamdaydocs)

If you don't have a printer, ask your school for help getting printed copies of required or recommended docs.*
If that's not possible, download them to your device.

Subjects

What to Have Ready on Exam Day

All, except for those with portfolio components

Required

- Exam e-ticket email
- Completed Exam Day Checklist, including AP ID
- Device: laptop, tablet, smartphone (see below for subject-specific requirements)
- Browser: Chrome (recommended), Firefox, Safari, or Edge
- Internet or cellular connection
- Assistive technology and devices (if applicable, for students approved to test with accommodations)

Required for Typed Responses

- Microsoft Word, Google Docs, Notes, or another application to enter and save text

Permitted

- Your class notes or study guides
- Textbooks and other classroom resources
- Previous assignments or assessments

Arts

Music Theory

Required

- Smartphone, tablet, or computer with camera, microphone, and voice recording app
- 2-3 printed copies or handwritten copies of the answer sheet template with staves*

Permitted

- Instruments, tuners, metronomes, and digital resources are permitted to assist in preparing answers. However, submitted responses must be created without these aids. Part-writing responses must be entirely handwritten on the answer sheet, and sight-singing responses must be performed entirely unaccompanied and unaltered. Refer to the sample questions and instructions for more information.

What Students Need on Exam Day

Find required or recommended docs at [cb.org/apexamdaydocs](https://collegeboard.org/apexamdaydocs)

If you don't have a printer, ask your school for help getting printed copies of required or recommended docs.*
If that's not possible, download them to your device.

Subjects What to Have Ready on Exam Day

History and Social Sciences

Macroeconomics

Recommended

Permitted

Microeconomics

- Scrap paper for sketching out graphs as an aid to answering the questions

- Calculator

Math and Computer Science

Calculus AB

Recommended for Students Typing Responses

Permitted

Calculus BC

- Keyboarding Tip Sheet for 2020 AP Calculus Exams*

- Calculator

Computer Science A

Required

Permitted

- Java Quick Reference*

- Interactive Development Environment (IDE) or compiler

Statistics

Required

Recommended for Students Typing Responses

- AP Statistics Formula Sheet and Tables*

- Keyboarding Tip Sheet for 2020 AP Statistics Exams

Permitted

- Calculator

What Students Need on Exam Day

Find required or recommended docs at [cb.org/apexamdaydocs](https://collegeboard.org/apexamdaydocs)

If you don't have a printer, ask your school for help getting printed copies of required or recommended docs.*
If that's not possible, download them to your device.

Subjects	What to Have Ready on Exam Day	
Sciences		
Biology	<p>Required</p> <ul style="list-style-type: none"> AP Biology Equations and Formulas Sheet* 	
Chemistry	<p>Required</p> <ul style="list-style-type: none"> Periodic Table of the Elements* AP Chemistry Equations and Physical Constants Sheet* 	<p>Recommended for Students Typing Responses</p> <ul style="list-style-type: none"> Keyboarding Tip Sheet for 2020 AP Chemistry Exams <p>Permitted</p> <ul style="list-style-type: none"> Calculator
Physics 1: Algebra-Based	<p>Required</p> <ul style="list-style-type: none"> AP Physics 1 Table of Information and Formulas* 	<p>Permitted</p> <ul style="list-style-type: none"> Calculator
Physics 2: Algebra-Based	<p>Required</p> <ul style="list-style-type: none"> AP Physics 2 Table of Information and Formulas* 	<p>Permitted</p> <ul style="list-style-type: none"> Calculator
Physics C: Electricity and Magnetism	<p>Required</p> <ul style="list-style-type: none"> AP Physics C: Electricity and Magnetism Table of Information and Formulas* 	<p>Permitted</p> <ul style="list-style-type: none"> Calculator
Physics C: Mechanics	<p>Required</p> <ul style="list-style-type: none"> AP Physics C: Mechanics Table of Information and Formulas* 	<p>Permitted</p> <ul style="list-style-type: none"> Calculator

What Students Need on Exam Day

Find required or recommended docs at cb.org/apexamdaydocs

If you don't have a printer, ask your school for help getting printed copies of required or recommended docs.*
If that's not possible, download them to your device.

Subjects	What to Have Ready on Exam Day
World Languages	
Chinese Language and Culture French Language and Culture German Language and Culture Italian Language and Culture Japanese Language and Culture Spanish Language and Culture	<p>Required</p> <ul style="list-style-type: none"> • iOS or Android smartphone or tablet with: <ul style="list-style-type: none"> • AP World Language Exam App installed (available week of May 11) • Access to the internet by Wi-Fi or cellular data • At least 30MB of available storage • At least 25% battery charge (or connection to a power source) <p>Permitted</p> <ul style="list-style-type: none"> • Paper and pen/pencil to take notes and prepare for tasks • Headphones w/ microphone (<i>Headphones without a microphone won't work</i>)
Latin	<p>Permitted</p> <ul style="list-style-type: none"> • Students may use their translations and a dictionary (including online or app-based dictionaries)



Advice About Optional Resources

You can use class resources and class notes on this year's AP Exams

- The following resources can be used, either printed or digital
 - Class notes or study guides
 - Textbooks and other classroom resources
 - Previous assignments or assessments
 - Calculators for certain exams
 - Note: Shared study notes must be downloaded to each student's device to prevent collaboration violations

Internet searches will waste your time and put you at risk of an exam violation:

- The more time you spend searching the web, the less time you spend answering exam questions
- Internet-based facts, research, and opinions aren't relevant to the AP Exam and won't raise students' scores
- Copying from websites, social media, or online forums is considered plagiarism and will be detected and scores cancelled.

Best practices can be found at [cb.org/apopenbooktips](https://collegeboard.org/apopenbooktips).

Look for Your Exam Confirmation and E-Ticket Emails



May 4

- You'll receive an exam confirmation email on May 4 with your AP ID and a list of the exams you're registered for.
- In the meantime, you can check which exams you're registered for in My AP.
- If you're not listed as registered for an AP Exam, you weren't part of the exam registrations we received from your school, and it's too late to generate an e-ticket for you to test this year. There is nothing we can do about this. You can take a CLEP exam for credit on a college campus, or you can take this AP exam in May 2021.



Two Days Before Each Exam

Two days before each exam, you'll receive an email with your personalized e-ticket and AP ID.

Remember, you'll need to click your e-ticket containing your AP ID to access your exam.

Complete the AP Exam Day Checklist

The 5 Steps we've just covered are listed in the AP Exam Day Checklist.

Students should fill out the checklist, and keep it next to them during testing.

- Download the checklist at [cb.org/apchecklist](https://collegeboard.org/apchecklist)
- Print or hand copy the AP Exam Day Checklist for each exam you take.
- The most important thing to fill in is your 8-character AP ID code, which is located on your e-ticket—you'll need this code to check in to your exam 30 minutes before your local start time.

- If I've been approved by the College Board to test with accommodations, I've reviewed the information at [cb.org/ap2020accommodations](https://collegeboard.org/ap2020accommodations) and have any needed assistive technology and devices.

During the Exam

- Once the exam has started, I won't refresh the browser or use the back arrow.
- I will keep the exam question open on my device so I can see the timer and 5-minute warning.
- When I see the onscreen warning that time is almost up (5 minutes before the deadline for submitting my response), I will STOP working on my response and start the process for attaching/pasting and submitting it.
- I understand that if I do not attach or paste my response and click **Submit** before the countdown on my screen is complete, I will receive 0 points for that question.
- If I accidentally close my browser or tab, temporarily lose my internet connection, or experience some other disruption, I will click my e-ticket to rejoin my exam.
- If I can't rejoin my exam, lose too much time trying to regain access, or do not see a **Your AP Exam is Complete** message at the end of the exam, I can request a makeup test by completing the form at [cb.org/requestmakeup](https://collegeboard.org/requestmakeup).
- If I'm taking a world language and culture exam:
 - I will start my exam from my e-ticket on the device that has the AP World Languages Exam App installed.
 - I will not open the app directly. When prompted, I will select **Start My Exam** to launch the app. This is the only way to start the exam.
 - Once I've launched the app by selecting **Start My Exam**, I will complete my exam using the app.

After the Exam

- I will sign in to My AP and indicate the college, university, or scholarship program that should receive my free score report. Deadline: **June 20, 2020**.
- I will report information about cheating attempts at: collegeboard.org/reportcheating.



2020 AP Exam Day Checklist

Directions: Complete this checklist for each AP® Exam you take this year. Go to [cb.org/ap2020](https://collegeboard.org/ap2020) for the AP Testing Guide, videos, and other resources.

<input type="checkbox"/> Write your 8-character AP ID <ul style="list-style-type: none">You can find this in your exam confirmation email, your exam e-ticket email, or on My AP (myap.collegeboard.org).	_____
<input type="checkbox"/> Write the name of your exam	_____
<input type="checkbox"/> Write the exam date, local check-in time, and local start time <ul style="list-style-type: none">Check the exam calendar: Exams start at your local equivalent of 12 p.m., 2 p.m., or 4 p.m., Eastern Daylight Time. You must calculate the start time for YOUR time zone.You must click your e-ticket to check in and complete security checks 30 minutes before your local exam start time.	Exam date: _____ My local exam check-in time: _____ My local exam start time: _____

Please note: if you're taking a world language exam, checklist items about handwriting or typing responses, attaching and submitting responses, and the exam timer don't apply. If you're taking a Music Theory exam, checklist items about typed responses don't apply.

Am I Ready to Test?

- I have my AP Exam e-ticket email for this subject or have access to my e-ticket on My AP (myap.collegeboard.org). I have checked that the ticket is for this exam, not for another AP Exam I'm taking, and has today's exam date on it.
- My device is plugged in.
- When I click on a link, the browser that opens is Chrome®, Firefox®, Safari, or Edge. The exam will not open in other browsers, so I have confirmed my default browser is one of these four browsers, which support online AP Exams.
- I have practiced with the exam demo at [cb.org/apdemo](https://collegeboard.org/apdemo), which confirms that my device and browser will be able to access the exam.
- If I will be typing my exam, I have opened a Google Doc, a Word doc, or another type of document I will type my response into. I have prepared one document for English and history exams and two for other subjects. I have typed my 8-character AP ID and my initials at the top of each document.
- If I will be handwriting my exam, I have prepared one set of pages for English and history exams and two sets of pages for other subjects. I have written my 8-character AP ID, my initials, and the page number at the top of each page.
- I have reviewed the list of required materials for this specific exam at [cb.org/apexamdaydocs](https://collegeboard.org/apexamdaydocs) and printed or downloaded a copy of any required documents.
- I have reviewed the exam security guidelines and understand the consequences for incorporating work that is not my own or collaborating with anyone during the exam.

3

Exam Day

Exam Day

One-Question Exams (English and History exams)

Two-Question Exams (excludes world language and music theory exams)

Timing	Online Exam	Word Processing Application or Paper	Timing	Online Exam	Word Processing Application or Paper
30 minutes before your local start time	Check-In <ul style="list-style-type: none"> Use e-ticket to check in to exam Complete identity information Wait for exam to begin automatically 		30 minutes before your local start time	Check-In <ul style="list-style-type: none"> Use e-ticket to check in to exam Complete identity information Wait for exam to begin automatically 	
45 minutes	Question Appears <ul style="list-style-type: none"> Read question 	Develop Response	25 minutes	Question 1 Appears <ul style="list-style-type: none"> Read question 	Develop Response
5 minutes	Submit Response <ul style="list-style-type: none"> Exam is completed 		5 minutes	Submit Response <ul style="list-style-type: none"> Wait for Question 2 	
			15 minutes	Question 2 Appears <ul style="list-style-type: none"> Read question 	Develop Response
			5 minutes	Submit Response <ul style="list-style-type: none"> Exam is completed 	

Exam Day: Music Theory

cb.org/apmusictheory

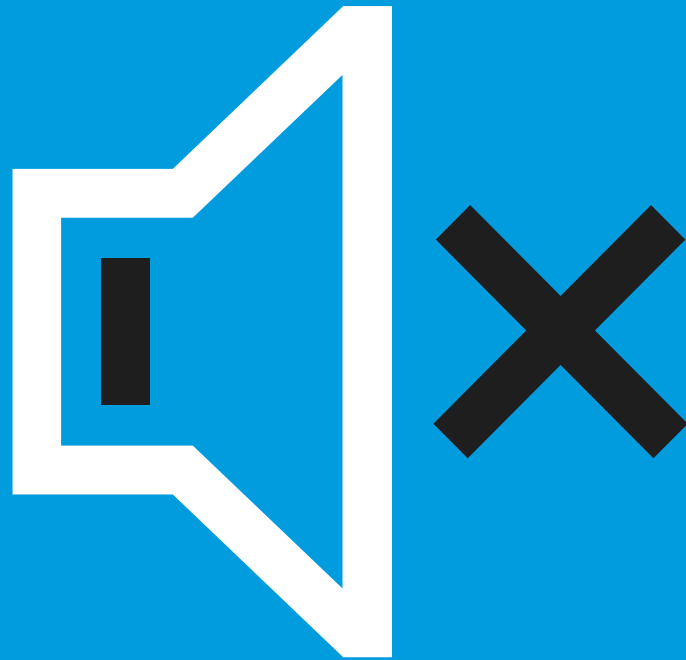
Timing	Online Exam	Student's Recording Application	Paper
30 minutes before your local start time	Check-In <ul style="list-style-type: none">• Use e-ticket to check in to exam• Complete identity information• Wait for exam to begin automatically	Open Recording Application and Prepare for Recording	
25 minutes	Question 1 Appears <ul style="list-style-type: none">• Read question		<ul style="list-style-type: none">• Complete Part-Writing Response on Paper Answer Sheet Template• Take Photo of Response
5 minutes	Submit Photo <ul style="list-style-type: none">• Wait for Question 2		
15 minutes	Question 2 Appears <ul style="list-style-type: none">• Read question	Record Sight-singing Responses as One Audio File	
5 minutes	Submit Audio File <ul style="list-style-type: none">• Exam is completed		

Exam Day: World Languages

cb.org/apworldlanguages

Timing	Online Exam	AP World Languages Exam App (APWLEA)
30 minutes before your local start time	Check-In <ul style="list-style-type: none">• Use e-ticket to check in to exam using the device with AP WLEA installed• Complete identity information• Wait for exam to begin When Prompted <ul style="list-style-type: none">• Select Start My Exam	<i>(Do not open the app directly)</i>
Less than 30 minutes (varies by subject)	<i>(You don't need to return to this screen)</i>	AP World Language Exam App Launches in Exam Mode <ul style="list-style-type: none">• If prompted, grant the app microphone permission and address any other checks.• Check audio by recording the provided Academic Honesty Statement.• Enter AP ID and exam subject, and select Start the Exam. Listen to Exam Directions Complete Task 1: Conversation <ul style="list-style-type: none">• Listen to directions and conversation introduction (said 2 times).• Following 1-minute prep period, respond as instructed, speaking at the tone. Complete Task 2: Cultural Comparison/Presentation <ul style="list-style-type: none">• Listen to directions (said 2 times) and presentation topic (said 3 times).• Following 4-minute prep period, deliver your presentation at the tone. Check Recordings and Submit <ul style="list-style-type: none">• Listen to your recordings.• App submits responses to AP Program, and exam is completed.

Your Testing Environment



- Do your best to test by yourself in a quiet room.
 - Remove distractions.
 - Enable the **do not disturb** or quiet setting on your device.
 - Let your parents, guardians, siblings, and friends know when you'll be testing so they don't disturb you.
- Make sure your device is plugged in.
- If you have limited bandwidth, ask others on your network to limit their use of the internet during your exam, particularly high bandwidth activities (e.g., games like Fortnite and streaming services like Netflix).
- Have your checklist and any required documents next to you.



Exam Security

You may not incorporate work which is not your own, and you may not provide or receive aid of any kind from anyone.

To identify students attempting to receive help through the web, a phone, or social media, sophisticated detection technologies and processes will be applied. **Most techniques will remain confidential to maximize their effectiveness.** We will be monitoring social media and discussion sites to detect and disrupt cheating. We may post content designed to confuse and deter those who attempt to cheat. Attempts to cheat will be detected immediately during testing or will be identified in June and July simultaneously with exam scoring.

In addition, students' exams will be:

- Scanned by plagiarism detection software
- Shared directly with their teachers

Students found violating exam security will face severe consequences, which can include having their:

- Names reported to college admissions offices for attempted cheating
- AP Exam scores cancelled

More about exam security can be found [here](#). You can report any cheating attempts here: collegeboard.org/reportcheating.

Check in to Your Exam

- **30 minutes before the start time for your exam**, check in by clicking the specific e-ticket for that exam.
- You'll need to spend a few minutes passing through various security filters to confirm your identity.
- A timer will show how much time remains until the start of the exam.
- Once the exam starts, **the first exam question will automatically appear**. You **SHOULD NOT** refresh your browser.

AP 2020 Exam

AP 2020 Exam

Enter Your AP ID

Please enter your ID to access your exam.

[You can find your AP ID in the email used to access this site.]

56WI5024

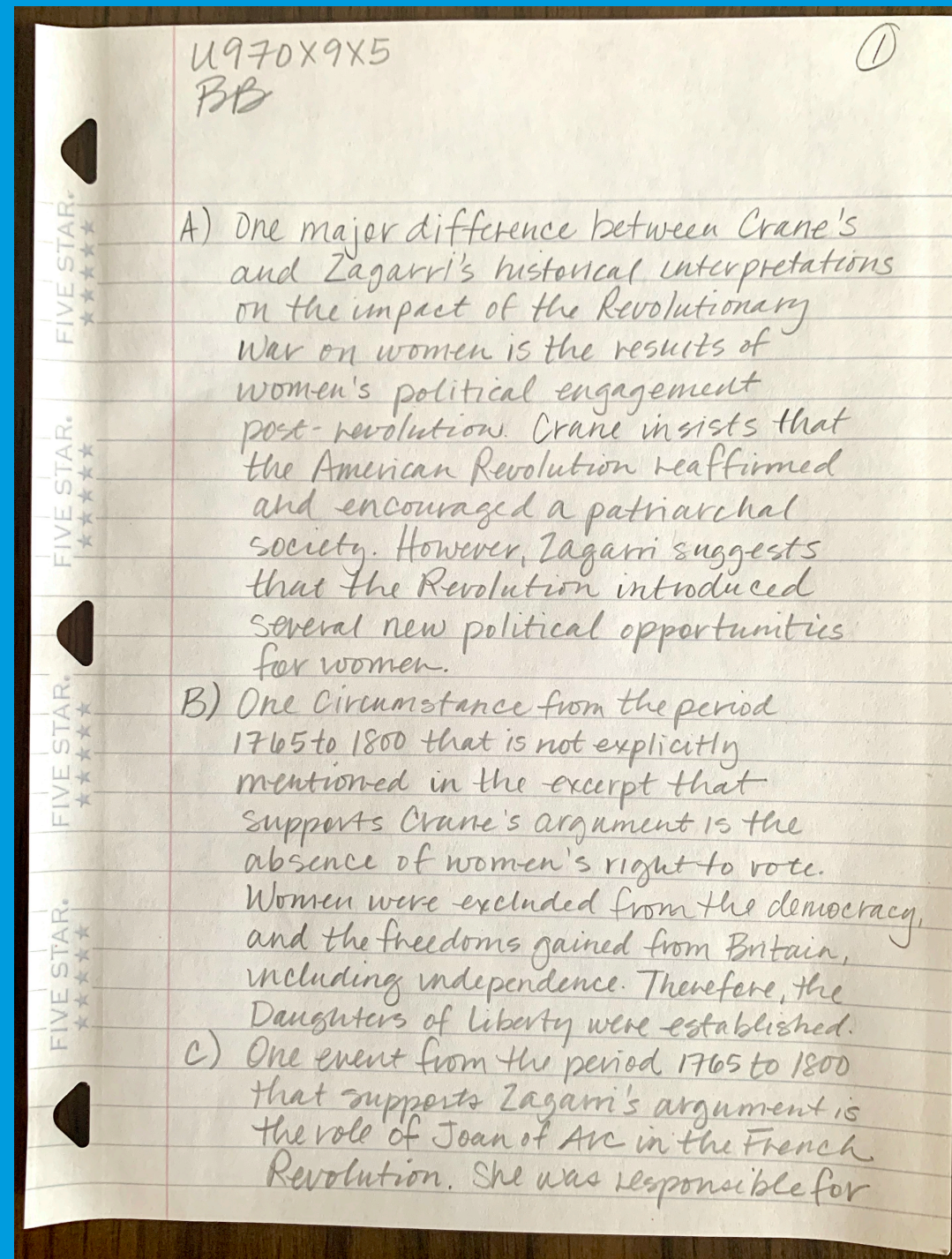
Continue

Time Until Exam Starts

00:03:02

Answering the Exam Questions

- For most exams, the question is divided into parts, labeled in alphabetical order. Use those letters to organize your response and make sure you're not accidentally skipping any part.
- You may use spell check and grammar check, but these will not provide an advantage. If you've installed a Grammarly plug-in, disable it or the exam won't function.
- You may print the test questions and annotate them if you like, but you can't use annotation software to annotate online.
- Exams with more than one question: You won't be able to move on to the second question until the time for the first question has fully elapsed. Once the time for the first question has finished, the second question will automatically appear. Once you submit a question, you can't go back to it.



Managing Your Time

- During the exam, you'll see a timer at the bottom of the screen showing how much time remains to create and submit your response. Keep that timer visible.
- Five minutes before time is up, the timer turns red. You'll see a pop-up reminding you to submit your response. **STOP** where you are and copy/paste or attach your work. Then click Submit.
 - You can still earn a 5, even if you don't finish a response.
 - If you don't submit your response on time, you won't get any credit for it.
- Losing track of time and not submitting a response before time runs out is **not** an acceptable reason for requesting makeup testing.
- AP will set standards for scores of 3, 4, and 5 this year so that it's not more difficult to earn high AP scores this year than it was in prior years.

Time Left to Submit Work

00:18:02

Time Left to Submit Work

00:04:59

Submitting Your Response

- Submitting responses is a **two-step process**:
 1. Attaching or pasting your response
 2. Clicking Submit
- If you don't click Submit before the timer runs out, your response will not count.
- Once you click Submit, your response may continue to transfer, depending on your bandwidth. This is fine. You will be able to move on to the next question, even while your first question continues to transfer, so long as you clicked Submit before the time ran out.
- If your response continues to transfer after the exam ends – wait for an on-screen message confirming that your exam is complete—make sure your submissions have fully loaded before you close your browser or turn off or restart your computer.
- If you never see that “Your AP Exam is Complete” message, you should go to [cb.org/requestmakeup](https://collegeboard.org/requestmakeup) to explain the situation and request an e-ticket for the June make-up date.

Attached Text File

Your Upload(s):
56WU50Z4-AM_Biology.docx X

[Browse for a file](#) [Submit](#)

Attached Photos

Your Upload(s):
Photo 1: 5d90b5cd...85a1560a.jpg X
Photo 2: 5ghakskkd...827364.jpg X

[Upload a Photo](#) [Submit](#)

Pasted Text Response

Paste Your Work

Mauris vitae pellentesque ipsum, a tristique turpis. Pellentesque quis consectetur felis. Morbi nec tortor malesuada, fringilla elit in, tristique ex. Sed ullamcorper, tellus vel placerat laoreet, diam ipsum lobortis sapien, pulvinar lobortis magna sem quis est. Vestibulum ac consectetur velit. Ut commodo viverra sagittis. Sed luctus fringilla nisl, vitae volutpat sapien facilisis non.

[Clear Field](#)

[Submit](#)

What Could Go Wrong While I'm Testing?



- If you accidentally close the browser, your device crashes, or you temporarily lose internet access, you can quickly **click your exam e-ticket again to return to the exam.**
 - Continue the exam, and if you feel at the end of the exam that the temporary disruption negatively impacted your performance, you can request approval to take the makeup exam at [cb.org/requestmakeup](https://collegeboard.org/requestmakeup).
 - Tip: During the exam, don't refresh your browser or hit the back arrow.
- Don't call: Customer service centers won't be open due to the pandemic. If you lost too much time to a technical problem, aren't able to connect to your exam, or experienced some other serious disruption, you can request a makeup exam.

4

Exam Scores, Credit, and Placement

2020 AP Exam Scores

- As usual, 2020 AP Exams will be scored by AP readers, who are college professors and experienced educators in each exam subject. Scores will be reported on the usual 1–5 scale.
- To accommodate the extended scoring schedule, which requires all exams to be scored online in readers' homes, AP scores will be released to AP students approximately one week later than usual, beginning about July 15.



Remember to use your free score send!

Sign into My AP no later than June 20 to indicate which college or university should get your scores. After June 20, there's a \$15 fee for each score report sent (\$25 per report for rush processing).

Credit and Placement

“UC recognizes the effort that students have already applied in these challenging courses and will award UC credit for 2020 AP Exams completed with scores of 3, 4, or 5, consistent with previous years.”

—The University of California System

“Purdue will continue to accept AP credit as usual.”

—Purdue University

“University of Connecticut fully supports the changes to the AP Exam made by College Board. We understand students need flexibility at this time of crisis and are committed to honoring the AP credit they earn.”

—University of Connecticut

“Despite significant changes surrounding the administration of AP Exams, Vanderbilt has decided that our current policies for AP credit will remain in effect for the class entering in fall 2020.”

—Vanderbilt University

A few examples of the consistent support we've heard from colleges and universities nationwide.

Credit and Placement

“Undergraduate Admissions will accept scores from any modified testing and credit policies that College Board puts in place.

—Virginia Tech

“Brandeis is committed to ensuring that students receive credit for the rigorous coursework they completed this year. Brandeis will accept appropriate AP scores received on the shortened at-home administration of the AP Exam offered in Spring 2020 for credit transfer.”

—Brandeis University

“At Wheaton College, we will continue to recognize the hard work and commitment our students displayed by challenging themselves in rigorous academic work and will continue to accept AP credit(s) as outlined by College Board.”

—Wheaton College, Massachusetts

“We recognize all the work that goes into taking an AP course and/or studying for the exam. Rest assured that a change in testing format does not change how UW awards credit for AP Exams.”

—University of Washington

A few examples of the consistent support we've heard from colleges and universities nationwide.

Credit and Placement

“Marquette will award credit for achievement on AP Exams.”

– Marquette University

“WMU will not penalize students who must take online AP Exams this spring and will continue to award credit as we always have.”

–Western Michigan University

“Boston College will continue to acknowledge our incoming students’ aptitude and hard work in rigorous academic coursework by maintaining our Advanced Placement policy which allows students to use qualifying scores to fulfill requirements in the University Core Curriculum.”

–Boston College

“We understand that this is stressful when students have worked so hard taking these rigorous classes. We have kept our transfer credit policy in place, and we will honor the AP scores for all exams taken in spring 2020.”

–George Washington University

A few examples of the consistent support we've heard from colleges and universities nationwide.

During this challenging time, the AP Program wants every interested AP student to have the opportunity to earn the college credit they've been working toward all year.

Stay safe and healthy.



Check Your Tech: Browser

If you cannot access the Exam Demo at cb.org/apdemo, you won't be able to take the real test. Follow these steps to change your browser.

- The AP Exam will only open in the **latest versions** of **Chrome (preferred), Firefox, Safari, or Edge**.
 - Important: 2020 AP Exams won't work in Internet Explorer.
 - If you need to install Chrome (which is free), do a google search for "Get latest Chrome browser," and follow the instructions.
- Make sure Chrome (or Firefox, Safari, or Edge) is your **default browser**:
 - Send an email to yourself with a link to a website you like. Click the link and see which type of browser opens. If it's Internet Explorer, you must change your default browser or you won't be able to test.
 - If you need to change your default browser to Chrome, do a google search for "Set default browser for [your device and operating system, if known]."
- **Disable any browser plug-ins or extensions**, such as Grammarly, to ensure you can access the AP 2020 Exam. However, keep plug-ins you need for accessibility, e.g., ChromeVox.
 - Do a google search for "How to disable browser extensions"



Your exam question(s) are displayed in a browser.

Using a supported browser ensures that you'll be able to test successfully.