



## Preparing Your Application

### Here are some things you should know or have on hand when completing your application:

- To apply, you will create a user profile that will enable you to log in and edit your application, as well as check the status of the application and endorsements. For the user profile you need to have your home address, phone number, and zip code. You will also need to create a memorable password for your account.
- Applicants must have a social security number or tax I.D. that you can provide if needed. You don't need this for the application, but will need to provide this information if you are declared a winner.
- You need to know if you have an immediate family member who is a staff or board member of National Center for Women and Information Technology (NCWIT)? This list of staff and board members is listed here: <http://www.ncwit.org/about.team.html>
- You need to have a working e-mail address that you check on a regular basis. We recommend using a permanent email address like Gmail, Yahoo, Hotmail address. If you use your school address, then it will expire when you graduate and we won't be able to reach you regarding further opportunities.
- You will need to know the name and e-mail address of your parent/guardian. The e-mail that you list for your parent/guardian must be different from the e-mail that you listed for yourself, and should be one that is checked regularly. You should inform your parent or guardian that you are applying for this award. He/she will receive an email with instructions to view and endorse your application.
- You need to know your school's name, complete address, and telephone number.
- You will need to have the first and last name, and e-mail address of a school official who can endorse your application. This could be a teacher, counselor, principal, or other school official that knows your work and accomplishments. It could also be a coach or mentor from an out of school program you participate in like Girl Scouts, Boys & Girls Club, 4H, etc. The person you list as your school official should be notified that you are using them as a reference, just as you would for a college or job application. It is also usually best to ask their permission to use them as a reference. The school official you list will receive an email with instructions to view and endorse your application.



# Preparing Your Application

**These are the questions you will see on the online application.** It is important that you save your application frequently, as the system will time out if inactive. We recommend writing your essays in advance in a text editor and pasting into the online form. We also recommend proofreading your application carefully and checking it with your parent/guardian before submitting. Once submitted, it CANNOT be changed.

1. What year in school are you? (*Freshman, Sophomore, Junior, Senior*)
2. Which of the following computing activities/concepts have you learned, or participated in, either through school, in an after-school/summer program, or on your own? *Tell us how involved you have been by using the rating scale: Not at all, Only a little, Pretty much, A lot.*

## Checklist Options:

### General Computer Applications (e.g., MS Works, MS Office, Open Office)

- Word Processing (e.g., MS Word, WordPerfect, Open Office)
- Spreadsheets (e.g., MS Excel, Open Office, IWork)
- Presentations (e.g., MS Powerpoint, Keynote, Prezi, Open Office)
- Desktop Publishing (e.g., MS Publisher, InDesign, Pagemaker)
- Mathematical Applications (e.g., MatLab, Mathcad, Mathematica)

### Interactive Multimedia

- Web Design/Development (e.g., Dreamweaver, MS Expression, Web Studio)
- Multimedia Design (e.g., Photoshop, Imovie, Premiere, Movie Maker, Illustrator)
- Computer Aided Design (e.g., Autocad, Inventor 3D)
- Game Design (GameMaker, Blender, Maya, Visual Studio/Basic/C++, C#)
- Mobile application development (Objective C, ApplInventor, Iphone/Android, Ipad/Tablet)
- Web application development (Facebook Api, Flash, Java, HTML5, PHP)

### Hardware/Networking/System Operations

- Computer Technology (e.g., tech crew, install/maintain computers for yourself and others, software installation)
- Network/System Operations, Maintenance (e.g., system manager for multiple machines)
- Network design/development (e.g., LAN, wireless)
- Network security

### Programming

- Robotics (e.g., Labview, ROBOTC, LEGO Mindstorms)
- Graphic (e.g., Scratch, Alice, Flash, OpenGL, Java 3D)
- In a coding language (e.g., Visual Basic, Python, Java, C++)
- Using variables, loops, decision logic, arrays/lists
- Using advanced data structures (stacks, queues, trees)
- Mainframe programming
- Database design/programming (Access, MySQL, Filemaker)
- Open source contributions (contributing original code segments to open source libraries)



## Preparing Your Application

**3.** In which of the following extra-curricular (out-of-school) computing and information technology activities have you participated? *Tell us how involved you have been by using the rating scale: Not at all, A little, Pretty much, A lot.*

**Checklist Options:**

- Computing/Technology-related club or team (at school or outside of school)*
- Computing/Technology-related community involvement/volunteerism*
- College-level computing/information technology courses*
- Independent study of computing/technology to advance your knowledge*
- Computing/Technology-related job*
- Computing/Technology-related summer or after-school program*
- Computing/Technology-related internship*

**4.** What have you done with computing and technology? Please also describe the computing-related accomplishment that makes you most proud.

*Your response may include up to 500 words. Please do not copy and paste content directly from Microsoft Word. If you are using Microsoft Word, you must first copy and paste the content into NotePad or TextEdit and convert the content to PLAIN TEXT. Then copy the plain text and paste it into your application.*

**5.** Please describe ways in which you show leadership in computing, leadership in your school, and/or leadership in your community.

*Your response may include up to 500 words. Please do not copy and paste content directly from Microsoft Word. If you are using Microsoft Word, you must first copy and paste the content into NotePad or TextEdit and convert the content to PLAIN TEXT. Then copy the plain text and paste it into your application.*

**6.** How do you see your aspirations in computing and technology influencing your future pursuits?

*Your response may include up to 500 words. Please do not copy and paste content directly from Microsoft Word. If you are using Microsoft Word, you must first copy and paste the content into NotePad or TextEdit and convert the content to PLAIN TEXT. Then copy the plain text and paste it into your application.*

**7.** What is your GPA? *You will need to know if your school uses a 4 or 5-point scale.*



## Preparing Your Application

8. What are your career plans or area of interest for after high school? *Please select the top TWO areas that most closely match your plans. The College Board uses these categories and majors. If you would like more information about any of the areas listed, visit their Major & Career Profiles page. ([http://www.collegeboard.com/csearch/majors\\_careers/profiles/](http://www.collegeboard.com/csearch/majors_careers/profiles/))*

<ul style="list-style-type: none"><li><input type="checkbox"/> Undecided</li><li><input type="checkbox"/> Not planning to go to college</li><li><input type="checkbox"/> Agriculture and Related Sciences</li><li><input type="checkbox"/> Architecture and Planning</li><li><input type="checkbox"/> Area, Ethnic, Cultural, and Gender Studies</li><li><input type="checkbox"/> Artificial Intelligence and Robotics</li><li><input type="checkbox"/> Arts, Visual and Performing</li><li><input type="checkbox"/> Biological and Biomedical Sciences</li><li><input type="checkbox"/> Business</li><li><input type="checkbox"/> Communication and Journalism</li><li><input type="checkbox"/> Computer and Information Security</li><li><input type="checkbox"/> Computer Forensics</li><li><input type="checkbox"/> Computer Graphics</li><li><input type="checkbox"/> Computer Networking and Telecommunications</li><li><input type="checkbox"/> Computer Programming</li><li><input type="checkbox"/> Computer Science</li><li><input type="checkbox"/> Computer Systems Analysis</li><li><input type="checkbox"/> Construction Trades</li><li><input type="checkbox"/> Computer Hardware Engineering</li><li><input type="checkbox"/> Computer Software Engineering</li><li><input type="checkbox"/> Database Management</li><li><input type="checkbox"/> Electrical Engineering</li><li><input type="checkbox"/> Engineering (other)</li><li><input type="checkbox"/> Education</li><li><input type="checkbox"/> English Language and Literature</li><li><input type="checkbox"/> Family and Consumer Sciences</li><li><input type="checkbox"/> Game Design and Development</li><li><input type="checkbox"/> Health Professions and Related Clinical Sciences</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> History</li><li><input type="checkbox"/> Information Science</li><li><input type="checkbox"/> Information Technology</li><li><input type="checkbox"/> Languages, Literatures, and Linguistics</li><li><input type="checkbox"/> Law and Legal Studies</li><li><input type="checkbox"/> Liberal Arts and Sciences, General Studies, and Humanities</li><li><input type="checkbox"/> Library Science</li><li><input type="checkbox"/> Math and Statistics</li><li><input type="checkbox"/> Mechanic and Repair Technologies</li><li><input type="checkbox"/> Military</li><li><input type="checkbox"/> Multi/Interdisciplinary Studies</li><li><input type="checkbox"/> Natural Resources and Conservation</li><li><input type="checkbox"/> Parks, Recreation, and Fitness</li><li><input type="checkbox"/> Personal and Culinary Services</li><li><input type="checkbox"/> Philosophy and Religion</li><li><input type="checkbox"/> Physical Sciences</li><li><input type="checkbox"/> Precision Production Trades</li><li><input type="checkbox"/> Psychology</li><li><input type="checkbox"/> Public Administration and Social Services</li><li><input type="checkbox"/> Science Technologies</li><li><input type="checkbox"/> Security and Protective Services</li><li><input type="checkbox"/> Social Sciences</li><li><input type="checkbox"/> System Administration</li><li><input type="checkbox"/> Theological Studies and Religious Vocations</li><li><input type="checkbox"/> Transportation and Materials Moving</li><li><input type="checkbox"/> Web Development</li></ul>
--	---