



THE ENGINEERS
OF TOMORROW
START THEIR
CAREERS TODAY

**CODE
QUEST**



LOCKHEED MARTIN
CYBERQUEST®
COMPETITION

LOCKHEED MARTIN

WELCOME TO LOCKHEED MARTIN QUEST

We are thrilled to be able to support you in guiding your students towards a successful career in software engineering or cybersecurity. This booklet will help to guide you through the registration process for Lockheed Martin’s Code Quest® and Lockheed Martin CYBERQUEST® events.

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Windham Tech – 1st Place, Lockheed Martin CYBERQUEST® 2023, Stratford, CT



Cupertino HS – 1st Place Advanced, Code Quest® 2023, Sunnyvale, CA

WHAT ARE CODE QUEST® & LOCKHEED MARTIN CYBERQUEST®?



Code Quest® began in 2012 in Fort Worth, Texas. Since then, the annual programming competition has expanded to include over 20 locations across the United States and internationally, with over 1,500 students participating annually. The competition challenges students with a series of programming problems, requiring them to read input and produce a specific output for each problem. Points are earned based on difficulty, with the easiest problems worth 5 points and the hardest worth 70 or more. Two skill-based divisions ensure that every team has a chance to succeed and expand their programming talents.

INSPIRING THE NEXT GENERATION OF CODERS AND ENGINEERS

Lockheed Martin CYBERQUEST® was created in Orlando, Florida in 2017 as a way to introduce high school students to the ever-growing world of cybersecurity. This capture-the-flag style competition presents students with a wide range of scenarios based on real-life incidents and threats which challenge Lockheed Martin and other organizations around the world on a daily basis. With over 600 students participating annually at 13 locations worldwide, Lockheed Martin CYBERQUEST® is expanding quickly and aims to support the next generation of cybersecurity engineers.



GETTING STARTED

To register for Code Quest® or Lockheed Martin CYBERQUEST®, visit the Quest Registration Site at

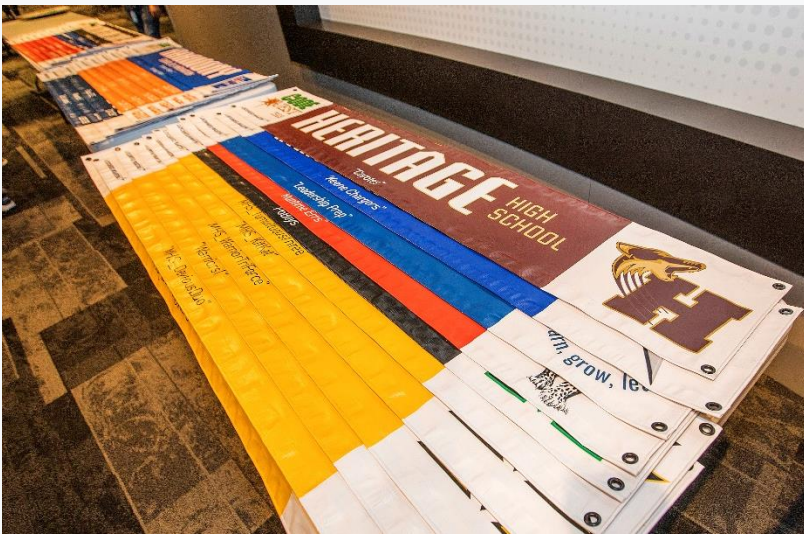
<https://registration.lmcodequestacademy.com>

Click the “LOGIN” button in the upper left corner to sign in or create an account. If you have an existing account on the [Code Quest Academy](#) website, you can use the same email and password you use there to log in at the Quest Registration Site. Otherwise, click the “Create new account” link below the login form to sign up. (Please note only coaches should be registering for competitions.)

Once logged in, you will be required to complete your Coach Profile. This includes contact information for yourself; information about the school, STEM program, or other organization you are representing; and which site you’re interested in attending for each event.

Depending on which site(s) you select, we may ask you for your country of citizenship, US Permanent Resident information (as applicable), and/or passport information. This information is required for security purposes for anyone visiting Lockheed Martin facilities. All information we collect is stored securely and is never shared outside Lockheed Martin. Please see our [Privacy Policy](#) for more information.

Once you’ve completed your profile, you’ll be brought to the Coach Dashboard, and are ready to start registering your students and their teams.



School Banners at Code Quest® Registration, Fort Worth, TX

REGISTERING STUDENTS & TEAMS

With your profile created, you'll be able to register students and teams. You'll need to collect the following information for each student:

- First and last name
- Birthdate¹
- Country of citizenship (If attending on-site locations)
- US Green Card/Passport information (if attending an on-site location as a foreign national)



*Fish N Chips – 1st Place, Lockheed Martin CYBERQUEST®
2023, Mielec, Poland*

Once you have some students registered, you can start creating teams for your events. Teams need a name and are associated with either Code Quest® or Lockheed Martin CYBERQUEST® (not both). While there is no limit to the number of teams you can register, each site is limited in the number of teams it can accept. Once a site reaches capacity, any further teams will be automatically placed on the site's waitlist. Our volunteers may also move teams onto the waitlist in order to allow for other schools to attend. If teams drop out from the event, new teams may be brought in from the waitlist.

With both a team and some students, you can start assigning your students to your teams. Code Quest® teams can have two or three students, and Lockheed Martin CYBERQUEST® teams can have three to five. You can register as many students as you like, but only those assigned to a team will be able to attend an event. Unassigned students cannot attend, however may be able to be swapped in as an alternate if an assigned student drops out for any reason.

PARENTAL CONSENT FOR STUDENTS UNDER 13

Starting with our 2025 event, a selection of Code Quest® locations will be accepting teams from middle schools (students in grades 6-8). However, US and international privacy and children's protection laws require that we obtain a parent or legal guardian's consent before we can collect any personal information about a child under the age of 13 years.

When you first register a student, you'll be asked about their age. If they're 13 or older, you can continue to register them as described on the previous page. If they're 12 or younger, we'll ask you for an email address we can use to contact their parent or guardian. They'll be sent a consent form which will need to be printed out, signed, and returned to you.

Once they've done so, please take a scan or photograph of the signed form (we only need the last page that contains the signature). You can then log back into the Quest Registration website and upload that form. Our volunteer team will then need to review and verify the form.

Until our volunteers have verified the signed parental consent form, you will not be able to complete the student's registration or assign them to teams. Please work with your student's parents to get these forms submitted as soon as possible so registrations aren't delayed.

We strongly value children's privacy and do everything we can to safeguard their information. Parents are free to revoke their consent at any time, in which case we will promptly remove all collected data. If you or your student's parents/guardians have any questions about this consent process, or to download blank consent forms, please visit our [Parental Consent Information](#) page. For information on our privacy practices in general, please see our [Privacy Policy](#).

UPLOADING LEGAL DOCUMENTS

Most of our sites will require some additional documentation from each person before they can attend our events. Most often, these are basic legal forms such as liability waivers, photo releases, etc., but the exact list can vary from site to site. A full list of documents required at each event site can be found at <https://registration.lmcodequestacademy.com/legal/document-list>.

To prevent potential disqualification due to form issues, we strongly recommend uploading signed copies of these documents to our website as soon as possible. The final step shown in the Coach Dashboard allows you to access a form for this purpose. Once documents are uploaded, our volunteers will be able to review them and confirm your team's attendance at our events.

A few important notes on documents:

- **Documents for students under 18 must be signed by a parent or legal guardian.** Unless you happen to be a student's parent or legal guardian, you may not sign their forms on their behalf. Our volunteers will reject documents that appear to be improperly signed. Students 18 years of age or older may sign their own documents.
- **All required documents for an event must be received by the due date for a person to participate in that event.** Failure to do so will result in that person, and possibly the full team, being denied entry to the event.
- **Uploading documents for alternate students saves time.** If a student drops out last-minute, you can replace them with another registered student, but that student will also need signed documents. Uploading them in advance ensures that they can attend the event.

PREPARING FOR COMPETITIONS

With your registrations complete and documents uploaded, your students just need to prepare for the competition! We have a few recommendations for how to do so for each event:

Code Quest®

- Ensure that your students are familiar with at least one of Java, Python, C++, or C#.
- Have students review documentation for their language and become familiar with built-in utility functions.
- Review algorithms used for common problems such as sorting, path-finding, etc.
- Practice problems on the [Code Quest Academy](#) website
- Practice writing pseudocode to design solutions to problems while another teammate codes a previous solution.

Lockheed Martin CYBERQUEST®

- Ensure that students are familiar with common security & scripting tools, including Kali Linux, bash scripts, Python, nmap, Wireshark, and more.
- Research common encryption methods and how to break them.
- Where possible *and legal*, practice intrusion techniques on personally owned systems or websites set up for training.
- Practice spoofing web requests using tools such as Postman to obtain desired results from websites.

Finally, if you are attending a site based in the United States, have students begin preparing resumes for job interviews. Students age 16 and older may be able to apply for one of several internships offered at Lockheed Martin, and truly take the first step towards a successful technical career.

FREQUENTLY ASKED QUESTIONS

I'd like to send teams to both an on-site location and a virtual location for the same event. Can I?

- Not by yourself; a coach must accompany all teams they register to their event, including virtual events. Since you can't be in two places at once, another coach will need to register the teams for the other location.

Where can I find the rules and information about competition locations?

- Official rules for both events can be found at <https://registration.lmcodequestacademy.com/rules> . Information on individual competition sites, including site-specific restrictions, can be found at <https://registration.lmcodequestacademy.com/site/list> .

Can I change the site I've registered at once I've created teams?

- You will need to withdraw all teams you've registered from the event first. Once this is done, you can update your profile to the new site, then register new teams there. Students do not need to be deleted and can be assigned to the new site once the teams are created.

Why do you need birthdates, citizenship, and passport/US Green Card information?

- Lockheed Martin is a national defense contractor, and as a result takes security at its facilities very seriously. Our security office requires that we collect this information from anyone visiting any of our sites. We recognize that this may present a challenge or risk for some students; in this case, we recommend attending a virtual location, where this information is not collected.

Who can I contact with questions or privacy concerns?

- For Code Quest® questions, email code-quest.gr-aero@lmco.com .
- For Lockheed Martin CYBERQUEST® questions, email cyberquest.info@lmco.com .
- For Quest Registration Website question, email code-quest-academy.gr-eo@lmco.com .
- For privacy related questions, see our [Privacy Policy](#) or email privacy.fc-lm@lmco.com .