

INSTRUCTIONAL VIDEO

Gold Level Project



In order to be eligible for Gold Level Status using the Instructional Video project, your club must follow the guidelines below. Videos must be submitted through the online Gold Level Application webform. All work on a submitted video project **must be done by club members!**

Instructional Video Project: The Basics

The goal of the Instructional Video project is for club members to effectively **teach a math concept** using 2 or more math problems. Club members should assume their audience has no prior knowledge of the concept they are teaching.

Club members should first **decide on a math concept and select 2 or more related math problems** to teach this concept. Problems may be selected from any MATHCOUNTS resource, *except* the MATHCOUNTS Mini videos. (A club may not choose their 2+ problems from a single Mini, as the work of selecting problems would already be done for them. A club may not choose their 2+ problems from multiple Minis, as the work of laying out solutions and presenting them clearly would already be done for them.) Resources from which club members can select problems include, but are not limited to, the [Problem of the Week Archive](#), this year's [School Handbook Preview](#), [past competitions](#), and the [National Math Club problem sets](#).

There is flexibility in how club members **present their problems and solutions** in their videos. Students are welcome to put their problems into a specific context and act it out/ demonstrate this math concept in action; students could also walk through their problems and solutions at a whiteboard; or anything in between. Animated videos are also welcome. The most important thing is that the math is clear and someone with no experience could learn from your club's video. [MATHCOUNTS Minis](#) are great examples of the amount of math and explanation we're looking for! Videos should be **no more than 8 minutes** in length.

Required Elements of Your Instructional Video

- **Two or more related MATHCOUNTS problems** presented explicitly and clearly. Club members must indicate in the video the MATHCOUNTS resource(s) from which they selected their problems.
- **Solutions** to the 2+ selected problems, presented clearly and in enough detail that someone with no prior knowledge could understand the steps and reasoning.
- At least **two follow-up problems**, written by your club members, on the same math concept. These problems should not be presented by club members in the

Required Elements of Your Instructional Video, cont'd

video, but should be displayed at the end of the video for additional practice for viewers. We recommend displaying these problems for 5 to 10 seconds to give viewers enough time to pause the video or to take a screenshot of the problems.

- **Solutions to your club's 2+ follow-up problems.** These solutions should not be presented by club members in the video, but should be displayed after the additional practice problems at the end so that viewers are able to check their work on the additional practice problems. We recommend displaying these solutions for 5 to 10 seconds to give viewers enough time to pause the video or to take a screenshot of the solutions.

Project Submission Specifics

To be eligible for Gold Level Status, your club **must have earned Silver Level Status first.** The Gold Level Application webform will open on **December 1st.** We are no longer accepting offline paper applications or emailed/mailed projects for Gold Level Status. In the online webform, in addition to basic information about your club, you'll be asked to submit:

- (Optional) A **photo** to be displayed on the Silver and Gold Level Clubs recognition page of the MATHCOUNTS website, along with your club's name and state. This could be a photo of your club members, your Gold Level project, or your school's/group's logo. If you already submitted a photo in your Silver Level Application, you'll have the option to use the same photo. If you choose not to submit a photo, a National Math Club logo will be displayed for your club. To ensure the photo can display correctly on our website, please submit a photo of the size **1200 x 800 pixels.**
- Only **one file containing all elements** of your club's Gold Level project. This is why your club's follow-up problems must be displayed within their video—it will not be possible to upload a separate worksheet or other file. Our Gold Level Application webform accepts the following video file types: .mp4, .avi, .wmv, .ogv, .webm.