

SMART Board for CPM

Each chapter file contains all of the problems and resource pages from the teacher's edition. Each file is organized by days. Click on the Page layout. Then click on the **Groups** button for a list of the days in the chapter (10.0 version only). Select any group. Then click on the first page shown to view the first page of that group. Each page is named by the problem number and is in numerical order for easy access. For most days the Review and Preview problems are on one page since most students complete those problems at home with assistance through HotMath if needed.

The teacher or students can use the SMART Board like you would use pencil and paper. Most of the problems have enough white space below them that teams could use the pencil tools to write their solutions. The SMART board also has graph paper, geometric shapes, and many other tools for students to work with. The teacher can even post student work to the internet for students to view. The teacher could have a duplicate file for each class period so that the work from the previous class could be "saved". Or the teacher can simply erase the work from the previous class and use a "clean" file for the next class period.

You can download SMART Board software. Students can also download the viewer from home in order to view work that a teacher can post on the internet. The download site is at: <http://www2.smarttech.com/st/en-US/Support/Downloads/default.htm>

If you have Geometer's sketchpad, you can link to the software on your computer with SMART Board. Links to CPM technology have already been created and should work if you are connected to the internet. You can easily add additional links by creating an object and linking that object to any file on your computer or to an address on the Internet.

Some of the pages have spinners, dice, protractors, and compasses. Click on them. Move their handles. They really spin, roll, measure, and draw. Use the SMART Board to demonstrate concepts or to revisit ideas that students need additional help. However, be sure that students use the tools regularly themselves. They use the tools in their teams. The SMART Board could be used as one station for a team of 4. The other teams either use their own tools or ones provided by the teacher.

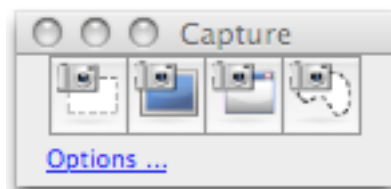
Aside from the fact that students just love to use the SMART Board, the main advantage for the teacher is as an organizational tool. All materials can be placed directly on the computer and linked to the chapter the teacher is working on. This means all of the internet links and files from your computer can be put at the page a teacher is teaching from. This includes any review sheets, tests, quizzes, review games, explorations, assignments, silent board games, and grades. And it is in the same place for the following year! A teacher can create a page that has the agenda for the students and link directly from the agenda. The transition from one activity to another approaches 0. Teachers claim that that SMART Board teachers accomplish more during the period. Of course, the teacher still needs to run off any handouts and materials for the students to work in their teams.

Capturing Text and Graphics from the Internet or another File to SMART Board

1. Click on the camera icon in the toolbar for SMART Board.



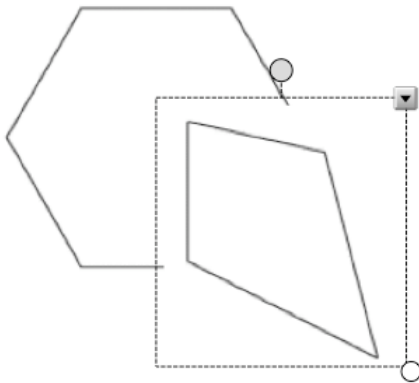
2. The following Capture Window shows up somewhere on the page.



3. Click the first Camera with the white outlined box. The capture window will disappear. A cursor will appear. Position the cursor on the top left corner of what you want to copy. Then click and drag diagonally down and to the right of the object you want. Unclick. A new page with the object you copied will appear on SMART Board.
4. Click the Options button to change the copying from a new page to the same page.

Making Transparent Shapes Copied to SMART Board

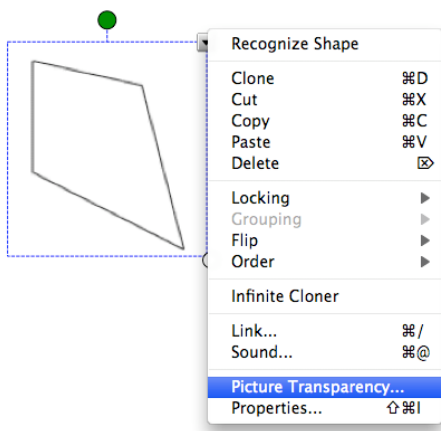
1. Use the camera to capture a shape from the shape bucket handout.



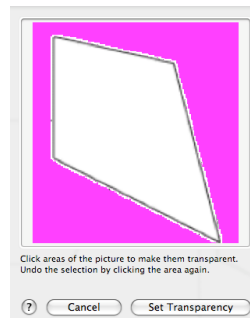
You

will see that there is a white border around the shapes so that you cannot tessellate them.

2. Select each shape. Click on the arrow and select Picture Transparency.



3. Click on the outside edges to make them transparent. Then click Set Transparency.



4. Do this to all shapes. Then move them next to each other. You may also need to grab the green handle and rotate the shape.

