

Avon Grove School District SMART Board Staff Development

Directions for Setting up the SMART Board in your classroom:

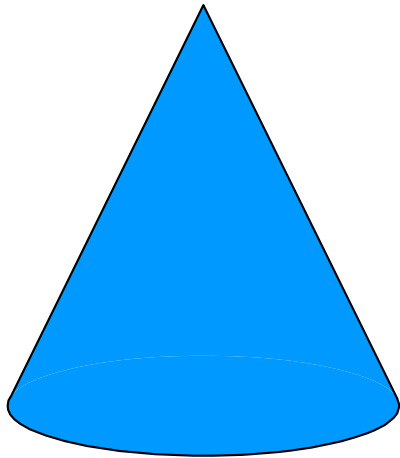
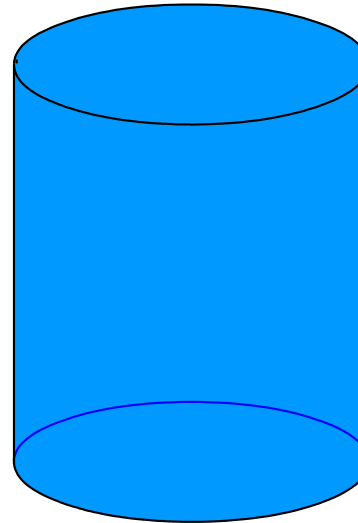
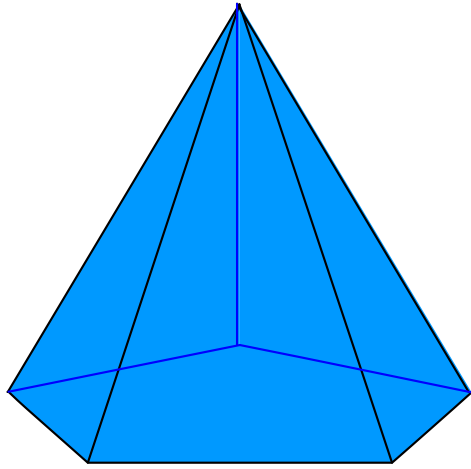
1. Plug in the following:
 - a. Network cord (plugs into computer and into data port)
 - b. USB cord into the back of the laptop
 - c. Electric power cord on laptop cart
2. Turn on the laptop and the projector.
3. Log into the laptop using your username and password. The network you are logging into is "AGSD".
4. Go to Start, click SMART Board Software, click Orient **OR** press the two buttons on the front of the SMART Board simultaneously and choose orient with your finger.
5. Walk to SMART Board and follow the directions: "Press Center of target and release". You will press 9 targets. "Orienting" the board activates the touch screen. If the board is moved during use it is very important that you re-orient the SMART Board.
6. The touch screen feature is now activated and you can use your finger as a mouse on the SMART Board screen.
7. On the screen double click with your finger "SMART Board Notebook".
 - a. This is the main application for using the SMART Board.
 - b. Within Notebook, there is an extensive gallery of cross-curricular instructional graphics/pictures.
8. Points to remember:
 - a. The SMART Board markers will work in any application (i.e. Word, Power Point, etc.).
 - b. Any work on the screen can be saved and/or printed for students to keep.

Instructional Ideas

1. **Math**
 - a. Utilize extensive gallery within SMART Board Notebook software to portray/demonstrate difficult concepts (i.e. solid geometry, multiplication).
 - b. Demonstrate math computation that is difficult for students to master due to numerous steps within the calculation (multi-digit multiplication, long division, adding/subtracting fractions, etc.). After the students work out the problem and write the steps on the SMART Board, you can print the screen and hand out to students as a reference guide. The file will print exactly as you see it on the screen.
 - c. Utilize the number charts, such as the 100 board, to teach numerical patterns.
2. **Language Arts**
 - a. Create concept maps for reading comprehension.
 - b. Model the writing process.
 - c. Utilize extensive gallery within SMART Board Notebook software to demonstrate proper letter formation in printing and in cursive – the notebook has lined paper similar to that of loose-leaf paper. You can print the screen and hand out to students as a reference guide.
 - d. Do daily language edit on SMART Board. Have kids come up and make changes to sentences using editing and proofreading marks. Use highlighter tool to highlight nouns, verbs, adjectives, etc.
 - e. Type a short story on the SMART Board prior to class. Use text as a read aloud. While reading, have the students circle/underline the text with the markers to highlight the different parts of speech, examples of personification, examples of figurative language.
 - f. Word sounds, prefixes and suffixes – Type the part of the word to be studied (such as ing) in a different color. Type base parts in separate boxes and have students drag the boxes to create unique words."
3. **Social Studies**
 - a. Utilize interactive websites as a visual learning tool.
 - b. Create concept maps to enhance understanding of government structures.
 - c. Utilize geography maps to teach longitude/latitude, direction (north, south, etc.).
4. **Science**
 - a. Utilize interactive websites as a visual learning tool.
 - b. Utilize extensive gallery within SMART Board Notebook software to create a diagram of a cell, electrical circuit, water cycle, etc. Create a slide show where each component is added, labeled and put as a separate slide so you can build something in sequential steps. After the students work out the process, you can print the screen and hand out to students as a reference guide. The file will print exactly as you see it on the screen. This is especially helpful when students are absent.

Online Assistance

1. Technical Assistance – www.smarttech.com
2. SMART Board Templates – www.center.k12.mo.us/edtech/SB/templates.htm
3. Instructional Ideas – www.center.k12.mo.us/edtech/SB/SB.html
4. Google "SMART Board lesson plans" for additional ideas.

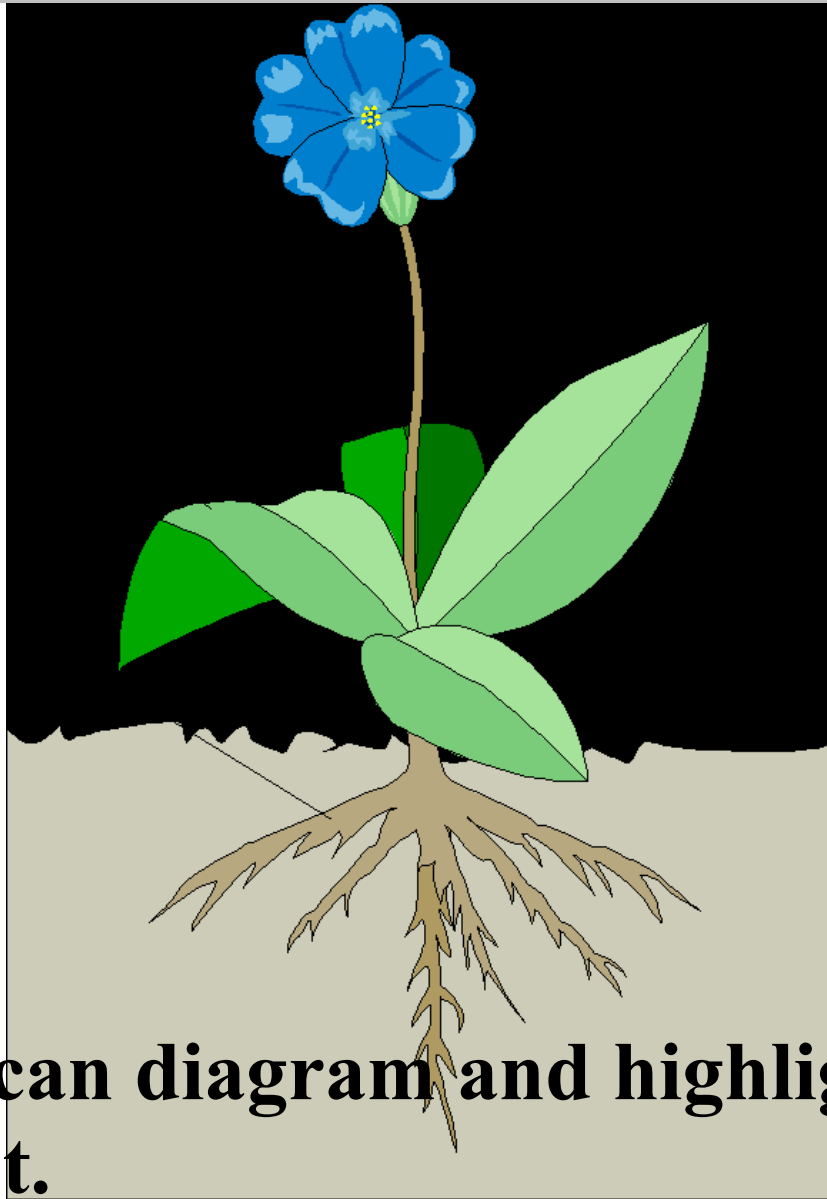


You can manipulate these objects from the gallery to demonstrate the properties of solid shapes.

Levy-Buttil

You can use the paper
background to teach printing
or cursive writing. As you
can see, I have awful writing!

Leavy-Buttil



Science - You can diagram and highlight the parts of a plant.

Leavy-Buttil

Square Number =
the product of
multiplying a
number by itself.

You can make a
 perfect square with
 this number of tiles.

$5 \times 5 = 25$

Square number =
 25

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Leavy-Buttil

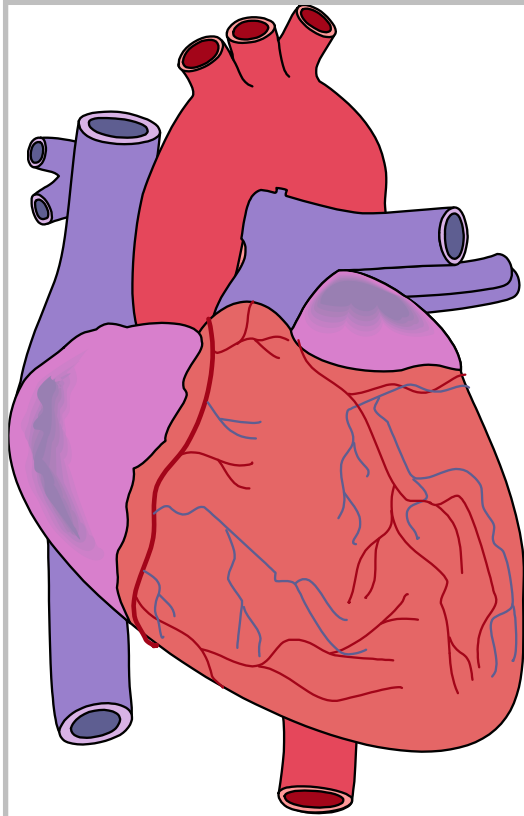
You can use the SMART Board to reinforce editing (daily edit).

≡ mrs. Leavy-Buttil like^s to ~~s~~ang in the show^ear.

You can also reinforce word formations.

ing soak
ing ring
ing think
ing sink

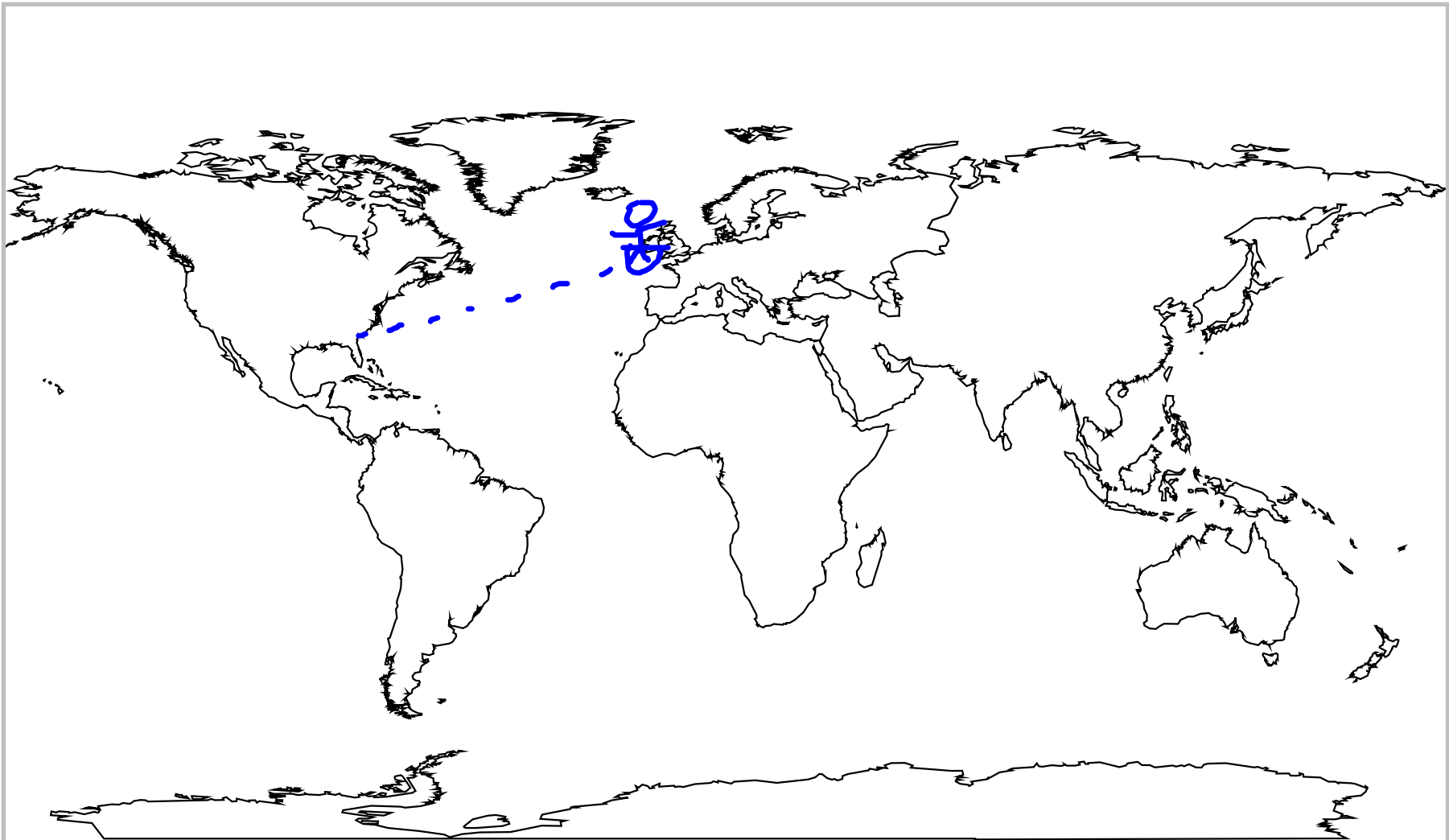
Leavy-Buttil



Science:

- **You can diagram the heart.**
- **You can manipulate the heart to**
- **see the different parts.**

Leavy-Buttil



You can trace the routes of famous explorers.

Leavy-Buttil