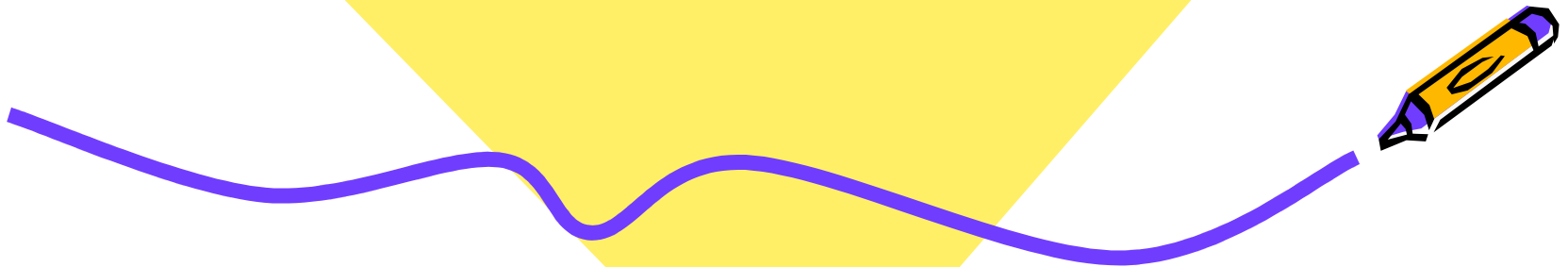


VISUAL SECRETS FOR SCHOOL SUCCESS

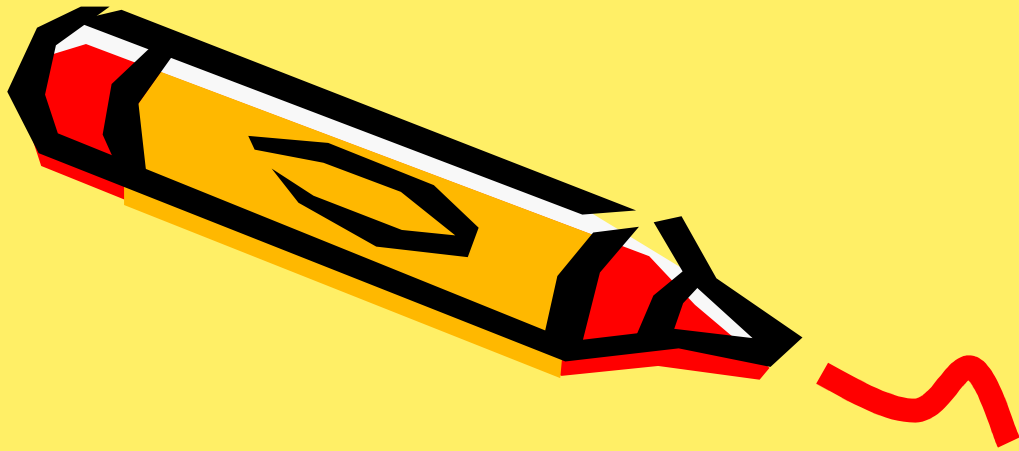
Brenda Heinke Montecalvo, O.D., F.C.O.V.D, F.A.A.O.



Visual Secrets for School Success

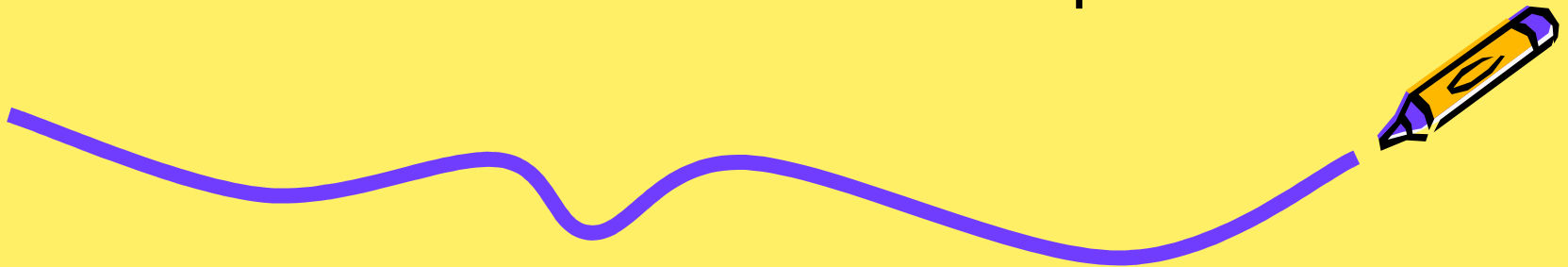
- Handwriting
- Spelling
- Math
- Reading
- Writing





Handwriting Before and After

See Handout With Example



Visual Skills Needed for Handwriting

- Eye Movements
- Peripheral vision
- Spatial Orientation
- Spatial Organization
- Laterality
- Directionality



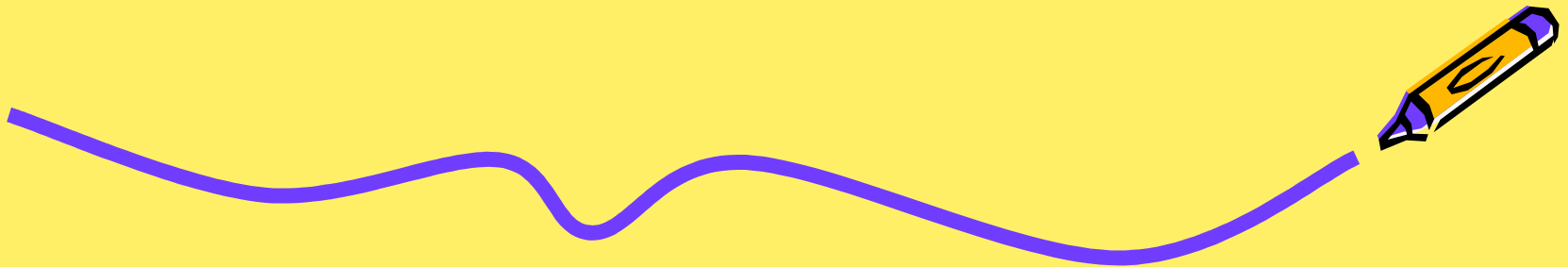
Vision and Handwriting

- Breathing
- Feet Flat
- Head Position
- Hand Holding Paper
- Desk Slope





Visual Hygiene Brochure



Vision and Handwriting

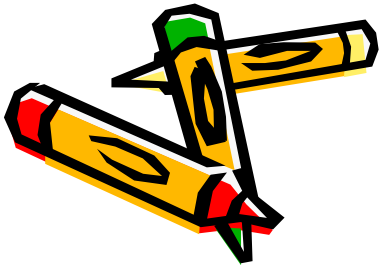
- Pencil Grip
- Stay Behind Mark
- Feather Touch
- Eyes Lead Hand
- Up and Over with Wide Line Paper
- Smile



Vision and Handwriting



Handwriting practice lines consisting of two sets of three horizontal lines each. Each set includes a solid top line, a dashed middle line, and a solid bottom line.



Activities to Prepare for Handwriting

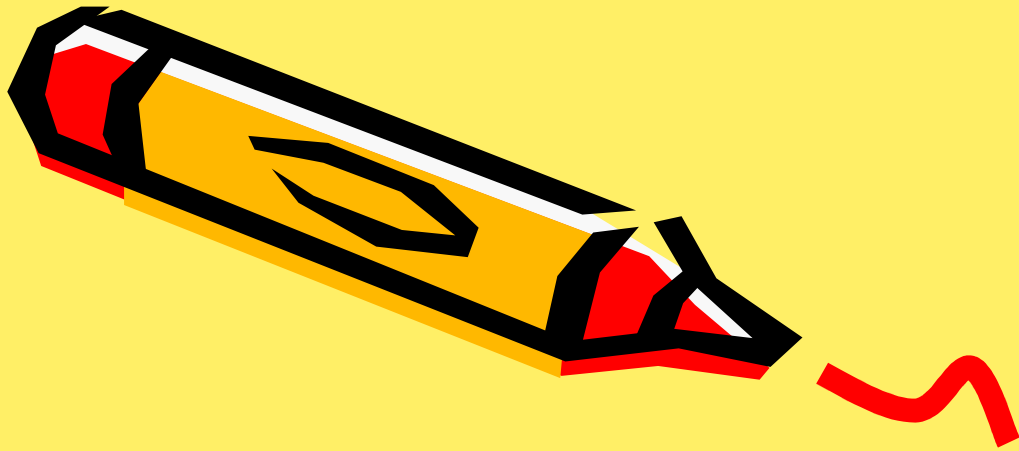
- Paper Crunch
- Line Tear
- Finger Play
- Pretzel
- Play-Doh



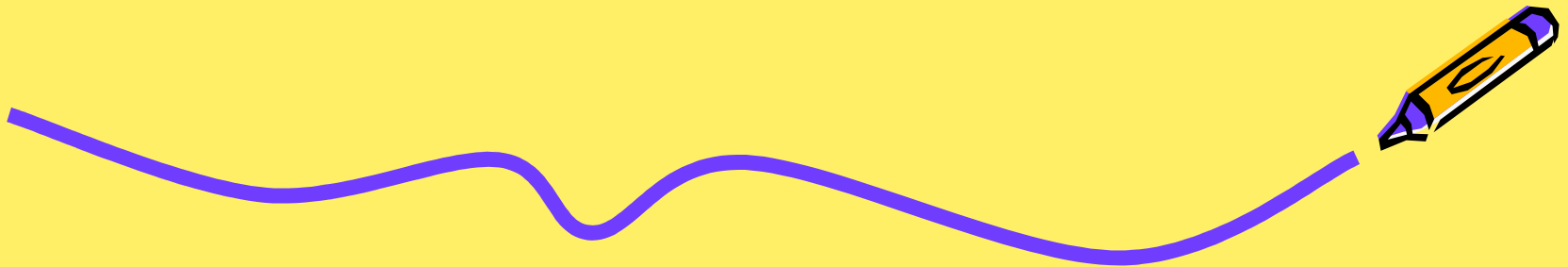
Activities to Prepare for Handwriting

- Piano
- Cutting
- Coin Turn





Vision and Spelling



Visual Skills Needed for Spelling

- Visualization
- Visual Sequencing
- Visual Memory



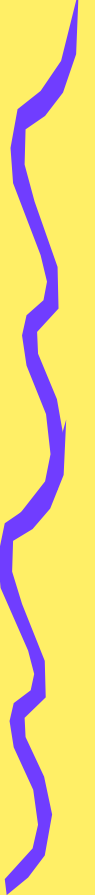
Vision and Spelling

- Identify How Many Syllables
- Identify Number of Letters in Each Syllable
- Spell Each Syllable
- Spell Entire Word Forward
- Spell Entire Word Backward



Vision and Spelling

- Practice Words with Fingers
- Practice Without Fingers
- Add Cognition
- Add Movement
- Take Written Practice Test



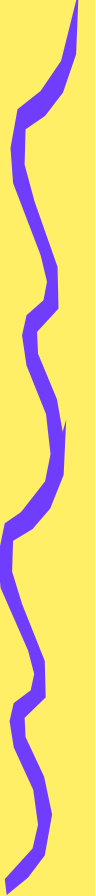
Montecalvo



How many Syllables?



What does the first syllable
sound like?, second?,
third?, fourth?



How many letters are in
each one?



How many letters are in
the entire word?



Of all ten letters, what one
is in the fourth position?,
second?, eighth?



Spell the word.

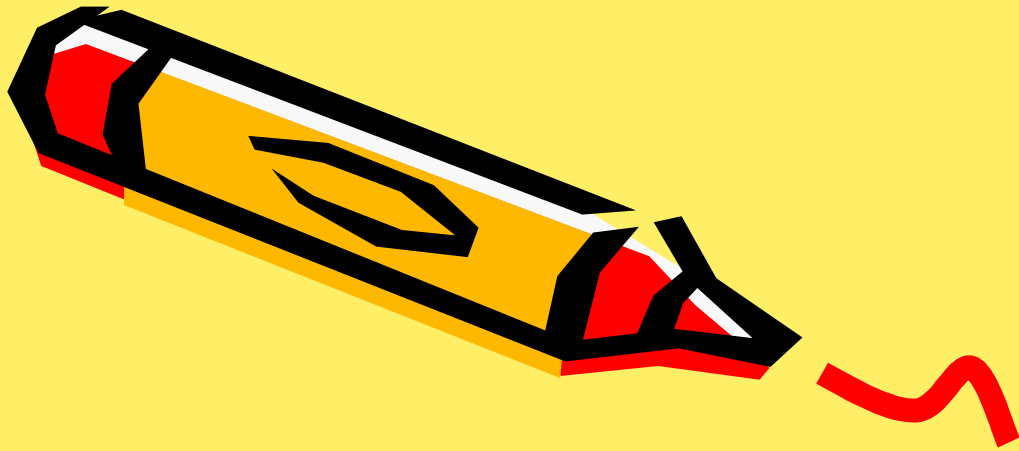


Now spell the word
backward.

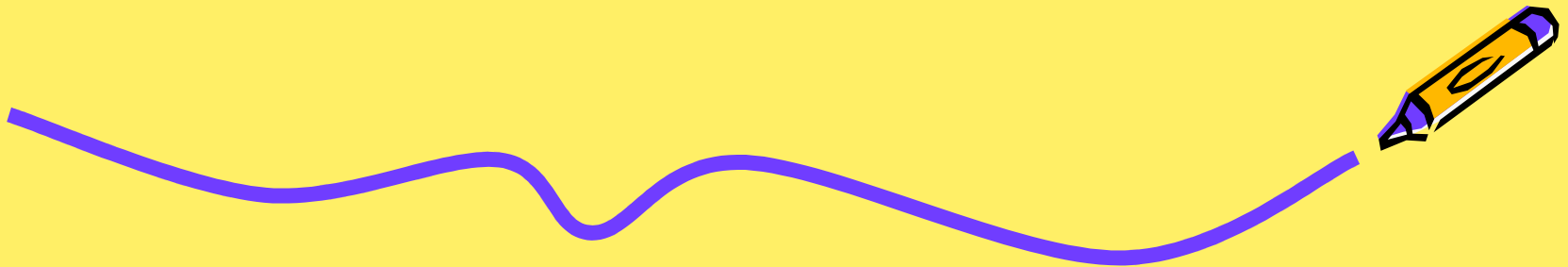


Now spell the word
forward and backward as
fast as you can.





Vision and Reading



Visual Skills Needed for Reading

- Binocularity
- Focusing
- Eye Tracking
- Visualization
- Visual Memory
- Good Perceptual Fields



Create a story using these words.

- Broccoli
- Nurses
- 109
- 10 years
- Bone



Among more than 72,000 female nurses followed for ten years, those who consumed less than 109 micrograms of vitamin K per day - equivalent to one cup of raw spinach - had more bone fractures than those who consumed greater amounts.

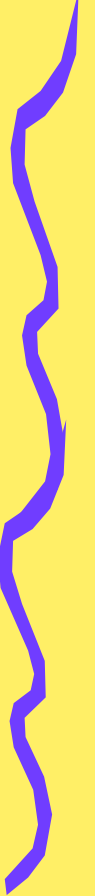
Previously, vitamin K was associated with normal blood clotting rather than bone strength, so no one knows yet how much is needed for optimal bone health. But unless you're taking an anticoagulant, it's smart to eat lots of vegetables containing vitamin K - like Brussels sprouts, broccoli, cabbage, spinach and lettuce.

Health News/Massachusetts Medical Society



How did these words relate to the story?

- Broccoli
- Nurses
- 109
- 10 years
- Bone



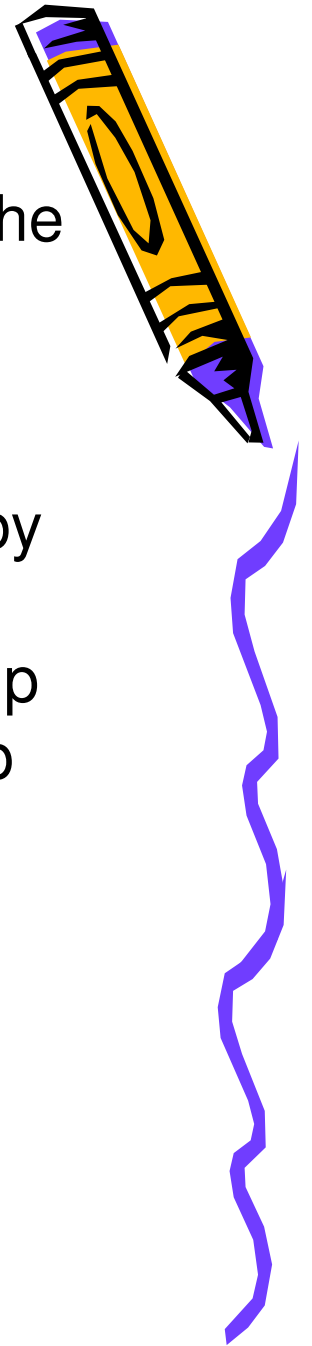
Try to answer these questions?

- Who is Dr. David Gozal?
- Do sinus problems affect grades?
- What percentage of children experience sleep apnea?
- What can lack of sleep cause?



Dr. David Gozal, of Tulane University's sleep-disorders center, examined 297 first-graders at the bottom of their class. He reported findings consistent with obstructive sleep apnea in about 18 percent of the children - some six times the usual rate. This condition is commonly caused by tonsils and adenoids blocking a child's airway, which makes him struggle for breath and wake up repeatedly during the night. Such a lack of sleep may interfere with intellectual development.

LM McCarthy in Family Life



Now try to answer these questions?

- Who is Dr. David Gozal?
- Do sinus problems affect grades?
- What percentage of children experience sleep apnea?
- What can lack of sleep cause?



Vision and Reading

- Posture and Breathing
- Lighting
- Reading Material Position
- Reading Material
- Looking Ahead



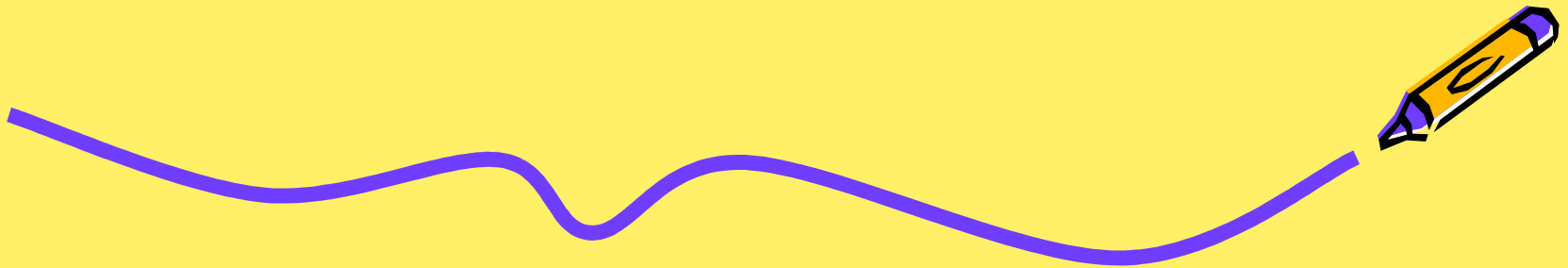
Activities to Develop Vision and Reading

- Read Upside Down
- Move Reading in a Circle
- Read with Expression
- Picture What is Read
- Put Reading to Rhythm





Vision and Math



Visual Skills for Math

- Laterality
- Directionality
- Visualization
- Spatial Orientation
- Figure Ground
- Visual Closure



Activities to Develop Math Concepts

- Counting
- Right/Left Body Awareness
- Time Estimation
- Space Estimation
- Puzzles



Activities to Develop Math Concepts

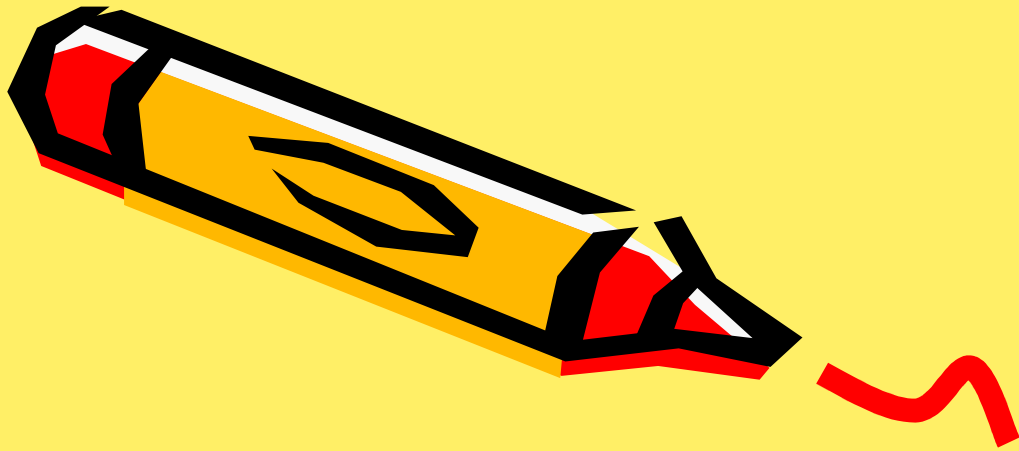
- Numberline
- Multiplying in Rhythm
- GO Board
- Attribute Blocks
- Graph Paper
- Story Problems



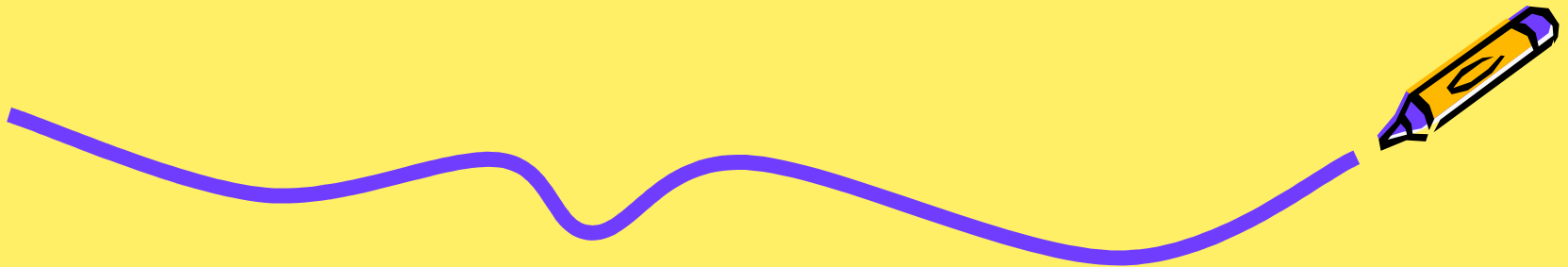
Vision and Math

- Unit Concept
- Addition and Subtraction
- Multiplication
- Calculating Area





Vision and Writing



Visual Skills Needed for Writing Composition

- Visualization
- Visual Memory
- Visual Language



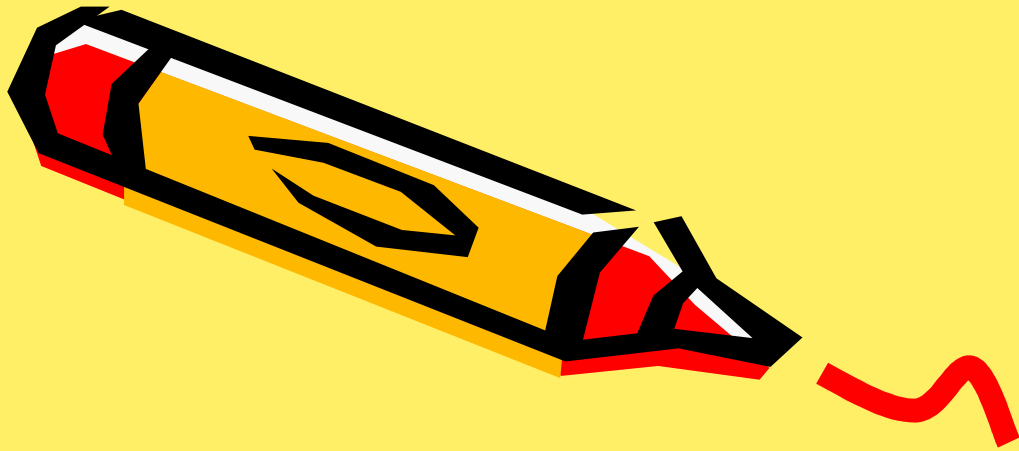
Visual Activities for Writing Composition

- Tell story using one word probe
- Use full sentences in conversation
- Descriptive Adjective and Adverb game
- Increase Vocabulary
- Do not correct grammar



Vision and Learning





Thank You

