

## Vision and Learning


### Awareness - Is there a problem?

- 25%-33% of children have a visually related learning challenge
- 80% of children in LD classes have a visually related learning challenge

### What is Vision? It is more than 20/20!

- 20/20 is seeing a 3/8" letter 20' away - is that all that is necessary for school?

#### The necessary skills for reading:

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- ✓ Acuity - seeing a 1/32" letter at 16"
  - ✓ Fixation
  - ✓ Jump eye movements
  - ✓ Pursuit fixation
  - ✓ Focus
  - ✓ Binocularity
  - ✓ Visual memory
  - ✓ Size, shapes, and form perception
  - ✓ Laterality, directionality, spatial orientation
  - ✓ Eye-hand coordination
  - ✓ Depth perception
  - ✓ Color perception
  - ✓ Reaction time
  - ✓ Healthy eyes

### Signs and Symptoms Checklist

- ✓ Frequently skips or repeats line when reading
- ✓ Tilts head or closes one eye when reading
- ✓ Has difficulty copying from chalkboard
- ✓ Avoids reading and near work
- ✓ Omits small words when reading
- ✓ Writes uphill or downhill and/or with poor spacing
- ✓ Misaligns digits in columns of numbers
- ✓ Holds reading material too close
- ✓ Has a short attention span
- ✓ Has difficulty completing assignments in time allotted
- ✓ Avoids sports and games
- ✓ Has an abnormal pencil grip



Reading Skills Program for All Ages

### The Vision Pyramid

