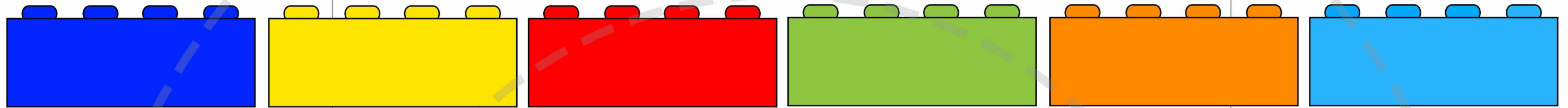


# Your Visual Field



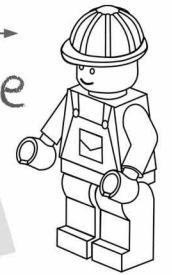
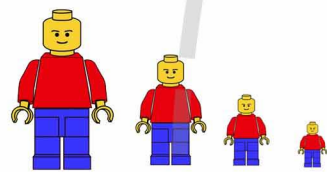
building into the abstract

**ABSTRACT THINKING** is the ability to process ideas that involve complex visual or language-based ideas that are not easily associated with concrete ideas. Abstract ideas are often invisible, complex, and subjective. Concrete ideas are usually visible and objective. Building into the abstract motivates young children to inquire into and make meaning about their worlds and gives them the ability to analyze information and solve problems.

building into the abstract

## BLIND SPOTS

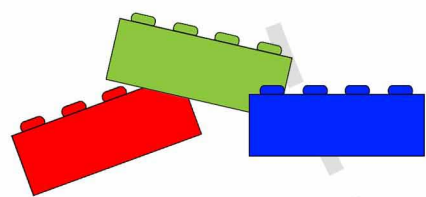
Each of your eyes has a blind spot that is the result of the connecting point between the optic nerve and retina. You will never notice the hole in your vision because your eyes work in cahoots with one another to compensate for each other's blind spots.



## DETAIL:

We only see at high resolution over a small area. If you stare at the centre of the chart, your eyes are seeing all the info at roughly the same level of detail.

Examples used in 6 Bricks:  
pg 51 Spot that brick



## COLOUR VISION:

You actually only see three colours; red, blue, and green. All other colours are created through the combination of these three colours. The light, which is colourless, reflects off objects and is then perceived by the eye. Through the combination of these three basic colours, your eyes can help you to detect approximately 10 million different colour hues.

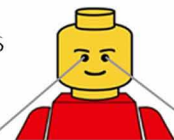
## VISION

Red and Green-sensitive cones are mainly limited to the centre of our vision

**PERIPHERAL VISION** is the ability to see objects and movement outside the direct line of vision. Commonly called "seeing something out of the corner of your eye," peripheral vision is a function of the visual receptor cells called rods. These cells are densest around the outer edges of the retina. While rod cells cannot detect color, they are sensitive to movement.

Parents can help develop their child's awareness of their peripheral vision through enjoyable activities.

Examples used in 6 Bricks:  
pg 54 Middle match  
pg 48 Eye spy with my little eye



## TRY THIS:

Close your right eye. Hold your head about 58cm (2 rulers) away. With your left eye, look at the x on the right. Slowly move your head closer while looking at the x. At a certain distance, the dot will disappear from sight... this is when the dot falls on the blind spot of your retina. Now try the other side.



## DID YOU KNOW:

Your eye weighs only about 28 grams and is approximately two and half centimetres wide, but contains 6 muscles. These muscles work together to achieve the precision that allows the human eye to follow moving objects.

Examples used in 6 Bricks:  
pg 104 Cube catches

## Warning Signs of Vision Problems in Kids

1. Consistently sitting too close to the TV or holding a book too close
2. Losing his place while reading or using a finger to guide his eyes when reading
3. Squinting or tilting the head to see better
4. Frequent eye rubbing
5. Sensitivity to light and/or excessive tearing
6. Closing one eye to read, watch TV or see better

