The LEGO Foundation

CARE FOR EDUCATION
We are dedicated to building a future in which learning through play empowers children to become creative, engaged, lifelong learners.

Re-defining play & re-imagining learning

Building a future in which learning through play empowers children to become creative, engaged, lifelong learners.
The LEGO idea ...

Play matters

“When we put things together, take them apart, then put them together again in different ways, we are not only creating, but also evaluating, reflecting and re-creating to achieve new possibilities”
What is 6 Bricks?

- 6 different coloured DUPLO bricks
- Learning through play actively engaged
- Quick daily exercises and activities
- Manipulatives that remain on the desk
- Assists with numerous developmental areas
- A simple, cost effective and scalable solution
One brick at a time

1 - left hand to right hand
   - right hand to left hand

2 - left hand to left hand
   - right hand to right hand

Two bricks at a time

1 - left hand to right hand
   - right hand to left hand

2 - left hand to right hand
   - right hand to left hand
BACK TO BASICS WITH 6 BRICKS

Time’s Up! 15 Seconds
Thoughts by some theorists ...

“Children must master the language of things before they can master the language of words.”

Frederich Froebel

“Let him who would move the world first move himself.”

Socrates

“Imagination is more important than knowledge.”

Albert Einstein
BACK TO BASICS WITH 6 BRICKS

= 24

6 = ?

915,103,764
Place these 4 bricks next to each other
Your Visual Field

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

**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 densely packed around the outer edges of the retina, while rod cells cannot detect color, they are sensitive to movement.

**Blind Spots**
Each of your eyes has a blind spot that is the result of the connecting points between the optic nerve and retina. You will never make the hole in your vision because your eyes work in concert with one another to compensate for each other’s blind spots.

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

**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**
Both the optic nerve and rods are mainly limited to the centre of our vision.

**Try This:**
Close your right eye. Hold your head about 30cm (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 X will disappear from sight. This is when the line falls on the blind spot of your retina. Now try the other eye.

**Did You Know?**
Your eye weighs only about 23 grams and is approximately two and half centimeters wide, but contains 6 muscles. These muscles work together to achieve the precision that allows the human eye to follow moving objects.

**Warning Signs of Vision Problems in Kids**
1. Constantly 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 blinking 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
BACK TO BASICS WITH 6 BRICKS
Self-Regulation / Executive Function

1. Inhibitory Control
   the skill we use to master and filter our thoughts and impulses so we can resist temptations, distraction and to pause and think before we act

2. Working Memory
   the capacity to hold information in mind and work with it, over short periods of time

3. Cognitive Flexibility
   the capacity to switch gears and respond to changes; think about something in a new light – problem solving & lateral thinking
With your eyes shut
BACK TO BASICS WITH 6 BRICKS

Working with a partner
Working with a partner
BACK TO BASICS WITH 6 BRICKS
HOT and COLD
Understanding the process

Creative Learning:

EXPLORING
- kinesthetic awareness
- sensory-motor skills
- mental rotation task performance
- working memory
- spatial reasoning
- fine motor skills
- short-term memory
- cognitive flexibility

CONNECTING
- imitation
- adaptive social functioning
- perspective-taking
- self-assessment

TRANSFORMING
- self-efficacy
- visual search
- spatial visualization
- symbolic representations

EXPLORING
- long-term memory
- mental imagery
- self-regulation
- executive functioning
- attention
- visual perception
- systems thinking
- visual search
- symbolic representations
- spatial visualization
- self-efficacy

CONNECTING
- visual perception
- self-regulation
- executive functioning
- attention
- long-term memory
- mental imagery

TRANSFORMING
- self-assessment
- fine motor skills
- short-term memory
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- working memory
- spatial reasoning
- mental rotation task performance
- sensory-motor skills
- kinesthetic awareness

BACK TO BASICS WITH 6 BRICKS
BACK TO BASICS WITH 6 BRICKS

CLAP

CROSS

CLICK
BACK TO BASICS WITH 6 BRICKS

CLAP  CLICK  CLAP  CLICK  CROSS  CROSS
BACK TO BASIC WITH 6 BRICKS
BACK TO BASICS WITH 6 BRICKS
BACK TO BASICS WITH 6 BRICKS
BACK TO BASICS WITH 6 BRICKS
Using Templates
BACK TO BASICS WITH 6 BRICKS

Data handling

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Bus, Car, Taxi, Walk

CARE FOR EDUCATION
Individual & Group Games
BACK TO BASICS WITH 6 BRICKS

Board Games

COLD START

WARM START

Options:
1. Swap places
2. Move opponent
3. Either direction
4. Jump to next
5. Can split moves
6. Back

Game Goods:
- Each player uses a colored piece
- Place the pieces on the grid
- Each piece has a number
- Objective: Move from start to finish

Rules:
- Roll the dice
- Move the corresponding number of spaces
- Action is performed
- First to reach the finish wins
Communication & Social Skills
BACK TO BASICS WITH 6 BRICKS

Imagination fuels innovation

CARE FOR EDUCATION is a non-profit organisation and partner of the LEGO Foundation.

We distribute charity resources to children, schools, and organisations in need.

We aim to impact early childhood development and primary education using concrete manipulatives which engage children in playful learning.

ONLINE APPLICATION
SIX BRICKS
PLAY BOX
TRAINING
PROJECTS
RESOURCES

Proudly working in association with The LEGO Foundation
BACK TO BASICS WITH 6 BRICKS

THANK YOU

www.carefored.co.za
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