Geometric Figures

------ For Kindergarteners.

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This geometry course is designed for K-level students. During the class, students will study quadrilaterals, circles, and triangles and identify shapes and create patterns throughout the learning unit. Teachers need to help students find, recognize, name and compare figures, remember and describe the shapes they see and experience shapes in a way that engages all the senses.
Rituals help to motivate and engage students and build a sense of group identity (Hardiman, 2012). The ritual of check-in drives both self and collective awareness.

BTT 2: Physical Environment

- Lighting in the Classroom
- Sound in the Learning Environment
- Scent in the Classroom
- Order and Beauty in the Classroom
BTT2: Physical Environment

Natural light and comfortable temperature.
- Nature-scented aromatherapy.
- Placed music box & mini piano.

Geometry books in the classroom library.
- Exhibit students drawings about geometry.
- Display of good and bad behaviors.

Wrote "have fun" with emoji; shape of a triangle, circle, and quadrilateral; goal, agenda, and assessment on the whiteboard.

Fitness balls as seats.
- Decorations above the whiteboard.
- Placed graphic tools, plants, and pens.

Cute dolls, globes, colored shape cards, rulers, cookies of different shapes, and graphic cards on the desk.

Students found their place by comparing the figure on the chair to their shape card.
- Students will be given time to think quietly.
Have Fun 😊 !!!

Goal

Agenda

Assessment

triangle

circle

quadrilateral
Students who studied in classrooms with the most daylight demonstrated better scores on math assessments (Hardiman, 2012).

Scents can affect mood and performance to enhance students' concentration and memory (Hardiman, 2012).

Exercise has strong, positive influences on cognition and attention (Hardiman, 2012).

Hardiman (2012) indicated that "Learning is optimized when children are in environments that are free from clutter and are aesthetically pleasing" (p. 69).

Hardiman (2012) showed that "Music has been shown to have relaxing effects on adults in experimental studies" (p.66).

References
Long-term memory
- To store the information, it has to move from short term memory to long-term memory.
- Declarative memory

Arts integration
- Can be integrate in different ways to improve long term retention of content

Memorize effects:
- Rehearsal
- Elaboration
Activities in BTT 4

Rehearsal

-Shape songs
Activities in BTT 4

Elaboration

-Do you see these shapes in the daily lives?

In what situation?
Activities in BTT 4

Elaboration

-Making body shapes
References for BTT 4


Think creatively

Reference
Activities in BTT 5

Activity 1: Use shapes to draw picture.
Activities in BTT 5

Activity 2: Shapes Challenge

What can you make out of circle?
What can you make out of square?
What can you make out of triangle?
What can you make out of rhombus?

etc.
Combining reflective journals and learning logs

In our class, in addition to ongoing timely informative assessment, we choose the combination of reflective journals and learning logs with an accompanying as a summative assessment because we believe this strategy is appropriate and beneficial for this particular population most in this class.

Reference