**Secret Code**

 15 min  2 participants

 

**Let’s play**

Player 1

1. Write a secret number using 3 or less bricks, on your base plate.

Player 2

1. Guess the secret number by asking relevant questions: e.g. How many bricks are used? Is it an even number? Is the number in the tens place odd or even? Does it start with a 7? Is it higher or lower than 500?

**How to prepare**

* 2 base plates
* Number bricks
* 2 number sign brick
* 1 bowl

Place the number sign brick in the top left corner of each base plate to indicate the bricks are numbers.

Place the remaining bricks in a bowl to share.

Give a base plate to each player.

**Facilitation tips**

* Suggest manipulation of bricks.
* Discuss strategy: “How can you remember all of your questions and answers?”, “Which questions work best?”.

**Possible variations**

* Determine a time limit or a maximum number of questions.
* Increase the number of players: more than one player asks questions.
* Increase the number of bricks in the secret code.

**Children will develop these holistic skills**

* COGNITIVE - Solve problems: engage in an approach, observe, question, manipulate, experiment, make hypotheses, by utilizing familiar mathematical tools or procedure
* PHYSICAL - Learn through action, observation, analysis of personal action and observed activity: learn by trial and error, cause and effects
* EMOTIONAL - Control motor skills and emotional commitment to succeed in simple actions
* CREATIVE - Identify various leisure activities to be done alone or with other people
* SOCIAL - Anticipate potential problems, identify steps for resolution including alternative solutions

**Did you know**

* Development of cognitive skills helps build effective strategies to tackle complex tasks and identify solutions. Activities requiring concentration, problem solving, and flexible thinking boost children’s cognitive skills.