SUBJECT: Mathematics   **UNIT**: 4   **COURSE**: Transition

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TITLE:

> **Numbers up to 999 -   Place value - Addition and Subtraction up to 599 without regrouping - Measurement**

THROUGHLINES:

1. How can I represent numbers of three digits up to 999?
2. Can I organize the value of numbers?
3. How can I solve an addition or subtraction in my daily routines?
4. What tools can I use to know how longer an object is?

GENERATIVE TOPIC: **The treasure´s hunt!**

UNDERSTANDING GOALS:

The student will sort numbers as quantities of three digits in order to recognize numbers up to 999 as groups of Hundreds, Tens and Ones.	The student will understand how to represent numbers up to 999 by practicing with concrete material and writing numbers decomposition in order to improve place value forms.	The student will understand the uses of addition and subtraction up to 599 without regrouping in different exercises by using manipulatives and solving problems in order to recognize when they have to take away or add in a situation.	The student will compare the length of objects by manipulating conventional and non-conventional units, in order to understand what measurement is.

	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		**WAYS**	**CRITERIA**
Exploration Stage	*To compare numbers up to 999 in order to recognize the greatest or the least in a sequence. *To represent quantities in order to exercise the place value forms. *To practice addition and subtraction of three digits up to 599 without regrouping. *To describe and compare length of objects **PROJECT´S EVIDENCE:** * To bring an accessory related to the pirates. * To decorate some pictures related to pirates in order to complete the treasure´s map.	3 weeks	*Using the comparison symbols (Greater than, less than, equal to). * Using the base ten blocks. *Solving problems and using manipulatives (sticks, coins, tally marks) *Organizing objects from shorter to taller	Interiorize cognitive abilities which allow them improve the mathematic logical thinking.
Guided Stage	*To fill in missing numbers up to 999 in order to practice sequences before and after. *To practice place value forms and their decomposition (standard, expanded, written and pictorical). *To practice addition and subtraction, classifying different situations according to these operations. *To use conventional and non-conventional units of measurement. **PROJECT´S EVIDENCE** *To elaborate questions of the topics learned during the bimester.	3 Weeks	*Solving worksheets and writing sequences up to 999. *Organizing quantities from the greatest to the least and vice versa. *Writing place value forms in the guidebook and notebook. * Reading exercises and solving the operations. *Measuring objects using the ruler and non – conventional units.	Participate actively during the classes. Relate the quantity and numeric symbols through processes such as: comparison, serial, classification.
Learning Evidence	**The treasure´s hunt**: This project will consist on a board around the classroom (like a pirates treasure´s map), the students will be divided into two groups, they will compete to reach the treasure first, trying to answer the questions correctly.	2 weeks	* Using the different tools in order to answer the questions.	Oral interaction Use creativity in the project design.