



UNIT GRAPHIC ORGANIZER

SUBJECT: Mathematics

UNIT: 4

COURSE: Transition

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DATE: September 12th / 2022

Numbers from 600 to 999 - Place value (Hundred, tens and ones) - Addition and Subtraction up to 599 without regrouping - Measurement

THROUGH LINES:

1. How can I represent numbers of three digits' numbers up to 999?
2. How can I make additions or subtractions in my daily routines?
3. How can I solve three digit additions?
4. What tools can I use to know how longer an object is?

GENERATIVE TOPIC



UNDERSTANDING GOALS:

<p>The students will recognize numbers up to 999, sorting by families to complete the sequences to identify quantities and symbols of three digits numbers, making a finger twister game.</p>	<p>The students will understand how to represent numbers up to 999 in hundreds, tens and ones by practicing with concrete material and writing numbers decomposition to improve the place value forms, building a three-dimensional number house.</p>	<p>The students will understand the uses of addition and subtraction up to 599 without regrouping in different exercises by using manipulatives and solving problems to recognize when they must take away or adding, creating scary stories.</p>	<p>The students will compare the length of objects by manipulating conventional and non-conventional units, to understand what measurement means, measuring different objects around the classroom.</p>
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	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
Exploratory Stage	<ul style="list-style-type: none"> To organize numbers up to 999 according to the families. To represent quantities to practice the place value forms. To solve addition and subtraction of three digits up to 599 without regrouping. To describe and comparing length of objects. <p><u>Advances of the project</u></p> <ul style="list-style-type: none"> To establish the steps of the activity. To participate actively with ideas about the project proposal. 	2 weeks	<ul style="list-style-type: none"> Watching videos and using posters of numbers by families. Using number boards and base ten blocks. Making a review of concepts about number decomposition. Solving worksheets on the notebook and guidebook. Identifying the vocabulary of basic operations (addition and subtraction). Comparing objects according to their size. <p><u>Advances of the project</u></p> <ul style="list-style-type: none"> Designing a twister board. Making a number housecraft. 	<p>Interiorize cognitive abilities which allow them to improve the mathematical thinking.</p>
Guided Stage	<ul style="list-style-type: none"> To fill in missing numbers up to 999 to practice sequences before and after. To practice place value forms and their decomposition (standard, expanded, written and pictorial). To practice addition and subtraction, classifying different situations according to these operations. To use conventional and non-conventional units of measurement. <p><u>Advances of the project</u></p> <ul style="list-style-type: none"> To create addition and subtraction number stories to solve. To draw stories of addition and subtraction. 	3 Weeks	<ul style="list-style-type: none"> Organizing quantities on a sequence. Comparing amounts from the greatest to the least and vice versa. Writing place value forms in the guidebook and notebook. Analyzing problems of addition and subtraction. Organizing the redaction or sequence of a problem. Drawing or representing the story problems. Creating some story problems. Using specific vocabulary of addition or subtraction. Taking the measurement of some objects using blocks, paper clips, Popsicle sticks and a paper meter. <p><u>Advances of the project</u></p> <ul style="list-style-type: none"> Decorating the number house according to the place value colours. Drawing story problems based on addition and subtraction. Creating a Halloween paper meter. 	<p>Participate actively during the classes.</p> <p>Relate the quantity and numeric symbols through processes such as: comparison, classification, seriation.</p>

<p>Learning Evidence</p>	<p>Terrifying and monstrous number's house</p> <p>This project will be based on practicing with three digit numbers and solving basic operations like addition and subtraction with them.</p> <p>Students will make different handcrafts related with Halloween celebration, which will inspire the design of all the material and creations of students for this project.</p> <p>They will build a three-dimensional monster house using plastic glasses and following as main topic the place value representations of the numbers. Students will use Halloween symbols to represent hundred tens and ones. Furthermore, they will tell little stories about terrifying characters (crafts) to create story problems based on additions and subtractions with three digit numbers.</p> <p>Finally, students are going to make a paper meter to take the measurement of different objects around the classroom and also of the terrifying characters that they made previously. They will compare this measurement with the non-conventional measurements units.</p>	<p style="text-align: center;">2 weeks</p>	<ul style="list-style-type: none"> • Following the directions. • Researching information about Halloween celebration. • Decorating some Halloween boards. • Writing addition and subtraction problems with the Halloween characters. • Listening carefully the problems. • Using the pictures and counters to solve the problems. 	<p>Oral interaction.</p> <p>Designing and making the material according to the instructions of the project.</p>
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