DESIGN

Elementary examples- learning intentions & success criteria

Kindergarten

Learning Intention: I will create problems that require people to count objects on a line

SURFACE	DEEP	TRANSFER
I will be successful when I... • Define a line, objects, total, counting • Use rules to count objects	I will be successful when I.... • Compare my use of the rules of counting to the teacher's and my peers	I will be successful when I.... • Develop a problem that requires others to count more than one object on a line • Reflect on the strategy and solutions others use

LI: I will demonstrate counting up to 20 objects in different arrangements

SURFACE	DEEP	TRANSFER

I will be successful when I....
• Identify all numbers 1 to 20
• Count from 1 to 20
• Define rectangular array, circle, and a line
• Identify the number of things from 1 to 20 in a
  ○ rectangular array,
  ○ circle or
  ○ a line
• State the number of objects from 1-10 when objects are scattered.
	I will be successful when I....
	• Show what is the same and different between the number of objects in different arrangements
	• Prove the total number of objects in an arrangement
		I will be successful when I....
		• Invent new ways to organize 20 objects
		• Hypothesize what you would do if you had 30 objects or a 100

1st grade

Learning Intention: I will apply my understanding of place value up to 20 in different situations

SURFACE	DEEP	TRANSFER
I will be successful when I.... • Identify ones and tens in numbers 1-20 • List specific examples of place value from 1-20 • Match place value for numbers 11-19 • Recognize place values when given different numbers from 1-20	I will be successful when I.... • Compare and contrast different numbers between 1-20 • Compare and contrast different ways to represent place value (i.e., the ones and tens)	I will be successful when I.... • Solve place value problems in different situations • Predict the place value of numbers above 20, above 99

LI: I will evaluate cause and effect in a story

SURFACE	DEEP	TRANSFER
I will be successful when I.... • List several examples of characters, settings, and major events in a story • Locate key details in a text • Define characters, settings, and major events in a text	I will be successful when I.... • Explain connections between characters, settings, and major events in a story • Show cause and effect by relating major events, settings, characters, and key details	I will be successful when I.... • Predict what will occur in a story based on characters, settings, and major events • Reorganize a story by changing the characters, settings, and major events • Identify other stories that have similar setting, characters, and major events

LI: I will read and write with sight words.

SURFACE	DEEP	TRANSFER
I will be successful when I…. • Name each letter in sight words • Identify digraphs in sight words • Say the sight word • Tell how many syllables there are	I will be successful when I…. • Read sight words on notecards and class readings	I will be successful when I…. • Write sentences using sight words. • Read sight words in new places

2nd grade

Learning Intention: I will apply my understanding of place value to 1,000 to different math problems.

SURFACE	DEEP	TRANSFER
I will be successful when I…. • Describe how base-ten blocks and expanded form are important in showing place value to 1,000 • Recognize place values when given different numbers from 1-1,000	I will be successful when I…. • Compare and contrast the use of base-ten blocks, expanded form, and word form when reading and writing 1,000 • Compare and contrast different numbers using relational symbols (<, >, =)	I will be successful when I…. • Produce and present word problems that require comparisons between numbers from 1-1,000

LI: I will evaluate the author's purpose for writing a text

SURFACE	DEEP	TRANSFER
I will be successful when I.... • Identify key details in each paragraph • Recognize key terms that are part of the main idea of the text • Define author's purpose	I will be successful when I.... • Link specific details in one or more paragraphs to the main idea of the text • Determine the purpose for each paragraph in the text.	I will be successful when I.... • Critique an author's purpose for writing a text • Generalize an author's purpose in other texts

LI: I will design and solve addition problems in different situations

SURFACE	DEEP	TRANSFER
I will be successful when I.... • Label and define the terms that are important in an addition problem • Use rules to add two numbers together • Identify when problems have been solved correctly. • Solve combination of 10's problems	I will be successful when I.... • Assess if my way of solving problems is correct. • Verify my understanding of solving addition problems by showing multiple ways to solve addition problems	I will be successful when I.... • Formulate problems that require addition • Reflect on the strategies I use to solve addition problems

3rd grade

Learning Intention: I will design a math problem that requires addition and subtraction within 1000

SURFACE	DEEP	TRANSFER
I will be successful when I.... • Use addition rules to solve problems within 1,000 • Use subtraction rules to solve problems within 1,000 • Perform addition and subtraction problems by using one of the following procedures strategies (base ten models, number lines, decomposing/ composing numbers/ counting forward and back)	I will be successful when I.... • Demonstrate the solution to adding and subtracting within 1000 using multiple strategies (base ten models, number lines, decomposing/ composing numbers/ counting forward and back) • Explain the similarities and differences between the strategies to add and subtract to 1000	I will be successful when I.... • Reorganize a word problem into a new problem that requires addition and subtraction within 1000

LI: I will produce and present unique problems and solutions to addition and subtraction problems within 1000

SURFACE	DEEP	TRANSFER
I will be successful when I…. • Define decomposition in subtraction • Describe the importance of place value and properties of operations in addition • Describe the importance of place value and properties of operations in subtraction • Perform several addition problems within 1,000 with one strategy. • Perform several subtraction problems within 1,000 with one strategy.	I will be successful when I…. • Compare and contrast addition and subtraction when solving problems within 1000 • Draw conclusions from solving addition and subtraction problems using multiple strategies.	I will be successful when I…. • Design and conduct multiple addition and subtraction problems within 1000 using multiple strategies • Critique the work of others to determine the most effective ways to solve problems

4th Grade

Learning Intention: I will design a real-world problem using multi digit whole numbers

SURFACE	DEEP	TRANSFER
I will be successful when I.... • Define standard algorithm • Demonstrate the place value of multi digit numbers • Identify the type of operations are required in a problem • List several examples of strategies that may be used to solve addition problems involving multi digit numbers • List several examples of strategies that may be used to solve subtraction involving multi digit numbers	I will be successful when I.... • Compare and contrast strategies that may be used to solve addition and subtraction problems involving multi digit problems • Analyze solutions to problems to rectify errors and identify next steps • Solve problems using multiple strategies	I will be successful when I.... • Produce and present math problems that require addition and/or subtraction of multi digit problems

LI: I will formulate real world problems that requires an understanding of relationships between numbers

SURFACE	DEEP	TRANSFER
I will be successful when I…. • Describe the relationships between numbers (<, >, and = symbols) • List several examples of numbers that (less than, less than or equal, greater than, greater than or equal to, not equal to) • Identify the relationship between two single digit numbers • Identify the relationship between two two-digit numbers	I will be successful when I…. • Compare and contrast two or more numbers and assess the relationship of those numbers using symbols • Draw conclusions to the relationship between numbers when numbers change.	I will be successful when I…. • Hypothesize when and where inequalities are important in the real world • Design and solve problems that require knowledge and skill of inequalities.

LI: I will critique the theme of a piece of literature (story, drama, or poem)

SURFACE	DEEP	TRANSFER

I will be successful when I….
 	
• Define key details
• Identify and define a theme in a text
• Provide examples of explicit themes
• Define inferential themes
• Label key details in a text:
  ○ Story
  ○ Drama
  ○ Poem
• Recognize the parts of a text which include
  ○ Introduction
  ○ Supporting paragraphs
  ○ Conclusion
	I will be successful when I….
	
	• Compare and contrast important and unimportant details in a text
	• Relate key details to the theme of a text
	• Summarize a text by relating the introduction to supporting paragraphs and the conclusion
	• Verify an inferential theme
		I will be successful when I….
		
		• Evaluate a new piece of literature (story, drama, or poem) to determine the theme
		• Critique a new piece of literature to determine the theme

5th Grade

Learning Intention: I will design a real-world problem that requires changing place values and demonstrate the solution

SURFACE	DEEP	TRANSFER
I will be successful when I.... • Define and label the place value of multi digit numbers • Solve one step multiplication problems to illustrate the value of digit in a multi-digit number • Solve one step division problems to illustrate the value of digit in a multi-digit number • Give examples of numbers that have differing place values and explain the differences • Restate the difference in place values between multi-digit numbers • Explain the value of a number in a multidigit number using division (1/10) and multiplication (x10)	I will be successful when I.... • Compare and contrast the place value of different numbers • Compare and contrast the place value of different numbers using division and multiplication • Verify if the solutions of problems requiring a change in place value were correctly calculated • Explain the connection between the changing place value	I will be successful when I.... • Generalize real world situations that require an understanding of place value • Reflect on the patterns of multiplication and division and how they apply outside of the classroom • Create a problem that requires an understanding of place value and the use of multiplication and division.

LI: I will critique multiple texts based on the intent of author on the audience

SURFACE	DEEP	TRANSFER
I will be successful when I…. • Define the different types of author's purpose in a text (e.g., instruct, entertain, inform, persuade, describe) • List several examples of different authors' purpose in texts • Identify the author's purpose in multiple texts	I will be successful when I…. • Compare and contrast different authors' purposes • Analyze different pieces of writing and determine the author's purpose • Verify that the common elements of an author's purpose are shown in pieces of writing	I will be successful when I…. • Present my feedback on the quality of author's purpose on an audience • Reflect on the criteria that are important to consider when writing a piece to influence an audience