



THE REPUBLIC OF UGANDA

**Ministry of Education and Sports**



**SELF STUDY**



**NCDC**

NATIONAL CURRICULUM  
DEVELOPMENT CENTRE



**THEME:**

**Environment In Our  
Sub-County/Division**



# MATHEMATICS

You need a book and pencil for this activity.

Read the following numbers.

2000 Two thousand

2001 Two thousand one

2010 Two thousand ten

2050 Two thousand fifty

2100 Two thousand one hundred

2200

2500

2700

2815 Two thousand eight hundred fifteen

2956 Two thousand nine hundred fifty six

3000 Three thousand

Place values of numbers

2	4	5	8
thousands	hundreds	tens	ones

The place value of;  
2 is thousands  
4 is hundreds  
5 is tens  
8 is ones

Addition of numbers.

Add these numbers.

We begin from the right-hand side towards the left.

$$\begin{array}{r} 347 \\ + 521 \\ \hline 868 \end{array}$$

$$\begin{array}{r} 576 \\ + 413 \\ \hline \end{array}$$

## Exercise

a) Write the following numbers in words.

2396

2417

2573

b) What is the place value of 5 in the following numbers?

2524

2457

2315

c) Add the following numbers.

$$\begin{array}{r} 2\ 5\ 7 \\ +\ 6\ 4\ 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7\ 8\ 2 \\ +\ 2\ 4\ 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3\ 9\ 2 \\ +\ 5\ 0\ 0 \\ \hline \\ \hline \end{array}$$

## HEALTH TIP

### LET US STAY SAFE OFF CORONA VIRUS

Wash your hands with soap and water.  
Avoid touching your eyes, nose and mouth with unwashed hands.

Stay at home and avoid crowds.  
Keep corona virus away.

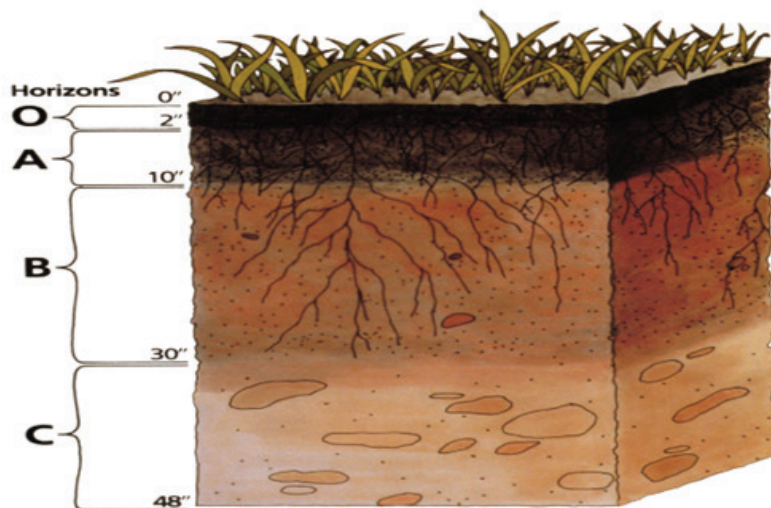
# LITERACY

Dear learner, you are welcome to this activity. We are going to talk about soil. Soil is a very important part of the environment. Soil has very many uses. In this activity you are going to:

- talk about soil, its types, composition and uses
- read words, sentences and short story related to soil
- write a short text about soil and its uses

You will need a pencil and a book

Look at the picture. What do you see?



Soil has different layers. If you go to a place where a pit is being dug, this is what you shall see. This is what is called soil structure.

## Read and draw

stones

Soil has stones.

animals

Soil has animals.

air

Soil has air.

## Build words

stone – stony

sand – sandy

## Read the sentences

1. The soil is stony.
2. The soil is sandy.

## Read words and sentences:

clay – There is clay soil.

loam – There is loam soil.

## Read the story and answer the questions





In Kiti village, there is a big swamp. The soil in the swamp is very fertile. Most people grow crops. They grow yams, sugarcanes and vegetables. Other people get clay. They use clay to make bricks, pots and cooking stoves. Some people dig sand for building houses from the swamp. Today the swamp is getting smaller and smaller.

1. Where is the big swamp?
2. What crops do people grow in the swamp?
3. Why do people get clay?
4. If you were the chairperson of Kiti village, what will you tell the people digging in swamps?

Write a story about the type of soil in your area and how it is used.

You can begin: The soil in my village is .....

## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Remind everybody at home to wash hands with soap and clean water all the time.

# ENGLISH

## Introduction

Dear learner,

You are welcome to this lesson on types of soil. You are going to;

- Read the words
- Complete the sentences
- Match the words
- Fill in the missing letters
- Recite a rhyme.

Prepare yourself for this lesson by having a pen, pencil, an exercise book, rubber.

Match word to their function

Recite the rhyme

### Step 1

Read these words

Soil, stones, sand, build, clay, pot

Grow crops, charcoal, gullies

## Step 2

Use I use..... to.....

We use..... to .....

Example

1.I use clay to make pots

We use clay to make pots

Now complete the sentences

What do you use ..... for?

1. I use soil to.....

We use ..... to .....

2. I use sand to.....

We use ..... to.....

3. I use clay to.....

We use ..... to .....

4. I use stones to .....

We use ..... to .....

5. I use charcoal to .....

We use ..... to.....

## Step 3

Match to its colour.

Sand                      brown

Soil                      black

Clay                      grey

Charcoal                white

## Step 4

### Now match to what it does

Soil	cover gullies
Sand	to cook
Stones	build house
Clay	make pots
Charcoal	plant

## Step 5

### Recite this rhyme

There, there, there

There at home

We have the soil	-	to plant our seeds
We have the sand	-	to build our houses
We have clay	-	to make our pots
Then the charcoal	-	to cook our food

Good!!!!

## Step 6

Fill in the missing letter

Sa---d	_lant
Soi_	coo_
St---nes	h---use
Char---oal	po---s

## Step 7

Write sentences using each of these words.

- 1.Charcoal
- 2.Pot
- 3.Stones
- 4.Soil
- 5.Clay

Assignment: Assignment  
**Complete the sentences**

1. I use the soil to .....
2. I use clay to.....
3. I use charcoal to .....
4. I use stones to.....
5. I use sand to.....

**You will show your work to your teacher when you go back to school.**

## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Avoid moving out of your home unless you must. This will protect you from getting infected with CORONA.

# MATHEMATICS

Dear learner, welcome to this activity. You are going to;

- Count numbers; 3,000 to 4,000.
- Subtract 3-digit numbers.
- Write numbers in figures and in words.

**You need a book and pencil for this activity.**

**Read the following numbers.**

---

3000    Three thousand

---

3004    Three thousand four

---

3019    Three thousand nineteen

---

3028    Three thousand twenty eight

---

3106    Three thousand one hundred six

---

3400    Three thousand four hundred

---

3500

---

3603

---

3750

---

3769

---

3637

---

3821    Three thousand eight hundred twenty one

---

3890    Three thousand eight hundred ninety

---

3914    Three thousand nine hundred fourteen

---

4000    Four thousand

---

## Writing numbers in figures.

<p><b>a) Two hundred fifteen</b></p> <p>Two hundred + fifteen <math>200 + 15 = 215</math></p> $\begin{array}{r} 200 \\ + 15 \\ \hline 215 \end{array}$	<p><b>b) Nine hundred fifty six</b></p> <p>Nine hundred + fifty + six Two hundred + fifteen <math>900 + 50 + 6 =</math></p> $\begin{array}{r} 900 \\ + 50 \\ + 6 \\ \hline \hline \end{array}$
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## Subtraction of numbers.

Begin subtracting from the right hand side towards the left.

$$\begin{array}{r} 947 \\ - 521 \\ \hline 426 \end{array}$$
$$\begin{array}{r} 576 \\ - 413 \\ \hline \end{array}$$

## d) Write the following numbers in words

3457

3716

3919

e) **Write these numbers in figures.**

Three hundred nineteen =

Five hundred sixty-seven =

Eight hundred eighteen =

f) **Subtract the numbers.**

$$\begin{array}{r} 752 \\ - 641 \\ \hline \end{array}$$

$$\begin{array}{r} 952 \\ - 620 \\ \hline \end{array}$$

$$\begin{array}{r} 787 \\ - 243 \\ \hline \end{array}$$

## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Wash your hands with soap and water.

Avoid touching your eyes, nose and mouth with unwashed hands.

Stay at home and avoid crowds.

Keep corona virus away.



# ENGLISH

Dear learner,

You are welcome to this lesson on the natural causes of changes in the environment.

You are going to;

- Recite a rhyme
- Read words
- Fill in the missing letters
- Use (i) He ..... in the .....
- (ii) She ..... because she was.....
- Read a story and answer the questions.

**Prepare yourself for this lesson by having an exercise book, pen, pencil, rubber**

## Step 1

**Recite this rhyme**

Rain, rain go away  
You will come another day  
Little children want to play  
Rain rain go away.  
    Good!!!!!!

## Step 2

**Read these words.**

Wind, rain, food, hungry, hot,  
Cold, wet, dry

### Step 3

Fill in the missing letters.

R\_in, flo\_d, hung\_y h\_t  
Co\_d, w\_nd, d\_y

### Step 4

Use (i) He ..... in the .....

e.g. He walked in the rain

She played in the sand

(ii) She ..... because she was.....

She laughed because she was happy.

Now do the following.

1. He ..... in the rain. (plant, harvest)  
She .....in the sun. (plant, harvest)
2. She planted in the..... season. (wet, dry)  
He harvested in the..... season. (dry, wet)
3. The girl cried because she was.....(happy, hungry)  
The boy cried because he was.....(wet, happy)
4. She wore a sweater because it was.....(hot, cold)  
She put off the sweater because it was.....(hot, cold)

## Step 5

### Read this story

Isma and Lala stay with their mother. One morning, Isma's mother woke up to go to the kitchen. She wanted to prepare breakfast for the children.

Before going to the kitchen, the wind started to blow. It shook the trees. It also spread rubbish in the compound. The rain now started. It was a heavy rain. The water flooded all over. There was nowhere to pass.

“What can I do?” asked Isma's mother. Isma and Lala were now hungry. They started crying. “Why are you crying?” their mother asked. We are very hungry mother. Our stomachs are paining. We are also feeling very cold. Mother gave them sweaters to wear. Do not cry my children, let me prepare for you something to eat, mother told the children.

She got an umbrella and went to the kitchen through the flood. She quickly prepared tea and food. When they were ready, she carried the food and the tea to the house and served the children.

They became very happy and thanked their mother. They started doing the exercises in their books.

### Answer these questions

1. Who are the people talked about in the story?
2. What happened before Isma's mother prepared breakfast for the children?
3. Write down two things that happened before it rained
4. Why did the children cry?

5. Write down two things that mother did before going to the kitchen
6. Where did mother pass to go to the kitchen?
7. What did mother prepare for the children?
8. Why did the children thank their mother?
9. If you were the mother, what would you have done on hearing the children cry?

**Assignment:**

1. Draw pictures to show windy, rainy, sunny, cloudy
2. Write sentences using “ hungry, cold, wet, hot, wind

You will show the work to your teacher when you go back to school.

## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Hugging friends is good but it can expose you to getting infected with CORONA SO AVOID IT.

# LITERACY

Dear learner, you are welcome to this activity. Today we are going to discuss causes of changes around us. Sometimes there is too much sunshine. Sometimes there is too much rain. Sometimes there is too much wind. All these are very dangerous to us. In today's activity you are going to:

- talk about the changes in the environment and their effects
- read words, sentences and short story related to changes
- write a short text about changes and their effects

**You will need a pencil, a book, crayons**

**Look at the picture. What can you see?**



There is too much rain. Too much rain causes floods.

### Read the words

flood    hail storm    drought    storm    lightening  
landslides    earthquake

Now complete the sentences

Too much sunshine causes a drought.

Too much rain causes .....

Too much wind causes .....

### Make sentences from the table

There was lightening in	Kira town council.
There was thunder in	Mukono village.
There were floods in	Gombe sub county
There was an earthquake in	Amuria sub-county.
There was lightening in	Atyak sub-county.

### Draw pictures for these words

lightening    floods    hail storm

### Read the story and answer question

#### A storm

There was a bad storm in our village last year. It blew off the roof of our school. Trees fell down. Desks and chairs broke. We had to study under the mango tree. Government built a new school for us. It also gave us new desks. Now we have new school buildings. We have new desks and new chairs.

Now answer the questions:

1. What happened in our village?
2. What happened to the roof of our school?
3. Why did we study under the mango tree?
4. Why do you think we can do to avoid a storm?

## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Hugging friends is good but it can expose you to getting infected with CORONA SO AVOID IT.

# MATHEMATICS

Dear learner, welcome to this activity. You are going to;

- Add and subtract 3-digit numbers.
- Write numbers in figures and in words.
- Solve word problems in addition and subtraction.

Write a short story about a bad thing that happened in your village. It could be floods, earthquake, drought, earthquakes, famine or landslides. Draw a picture for your story.

**Key message:**

**Always wash your hands with soap and clean water before and after eating food.**

**You need a book and pencil for this activity.**

**Read the following numbers.**

2915 Two thousand nine hundred fifteen

3258 three thousand two hundred fifty eight

2019

3870



**Write the following numbers in figures.**

Six hundred eighty one Six hundred + eighty + one $600 + 80 + 1$  $\begin{array}{r} 600 \\ + 80 \\ + 1 \\ \hline 681 \end{array}$  Six hundred eighty one = 681	Five hundred twenty two
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**Word problems in addition.**

1) Our school bought one hundred thirteen litres of water from police. They also bought twenty litres of water from Mrs kalito. How many litres of water did our school buy altogether?

$$113 \text{ litres} + 20 \text{ litres} = \underline{\hspace{2cm}} \text{ litres}$$

$$\begin{array}{r} 113 \\ + 20 \\ \hline \end{array}$$

---

2) There are fifty litres of water in a tank. Sula added one hundred two litres in the tank. How many litres of water are in the tank now?

$$50 \text{ litres} + 102 \text{ litres} = \underline{\hspace{2cm}} \text{ litres}$$

$$\begin{array}{r} 50 \\ + 102 \\ \hline \end{array}$$

### Word problems in subtraction.

1) A tank of water carries four hundred ninety litres. There are two hundred seventy litres. How many litres of water should be put in the tank to make it full?

490 litres – 270 litres = \_\_\_\_\_ litres.

$$\begin{array}{r} 490 \\ - 270 \\ \hline \end{array}$$

2) Daddy bought nine hundred twenty five litres of milk. He gave two hundred fourteen litres to his friend. How many litres of milk does daddy have now?

925 litres – 214 litres = \_\_\_\_\_ litres

$$\begin{array}{r} 925 \\ - 214 \\ \hline \end{array}$$

### Exercise

1) Write these numbers in words.

2971

1884

- 2) Write the numbers in figures.  
Two thousand twenty  
Three thousand ninety four
- 3) Teacher Ruth has one hundred fifty litres of water in her tank. She sells twenty litres of water to Teacher Moses. How many litres of water remain in the tank?
- 4) Grandmother's animals gave her three hundred sixty two litres of milk yesterday. She sold two hundred fifty litres of milk. How many litres of milk does she have now?
- 5) Coca Cola produced four hundred nineteen litres of soda last hour. In this hour, it has produced three hundred eighty litres of soda. How many litres of soda has it produced altogether in the two hours?
- 6) A farmer got one hundred twenty one litres of milk from her cows yesterday. Today, she got one hundred thirty two litres from the cows. How many litres of milk does she have altogether?

## HEALTH TIP

### LET US STAY SAFE OFF CORONA VIRUS

Wash your hands with soap and water.

Avoid touching your eyes, nose and mouth with unwashed hands.

Stay at home and avoid crowds.

Keep corona virus away.

# LITERACY

Dear learner, you are welcome to this activity. We are going to talk about human activities that change the environment. In today's activity you are going to:

- read words, sentences and short story related to human activities
- write words, sentences and a short text about human activities

**You will need a pencil and a book**  
**Look at the picture. What do you see?**



This is called bush burning. How bad is bush burning to the environment

## Read the words

bricks

charcoal

bush

waste

animals



## Read these sentences

We make bricks.

We burn bush.

We graze animals.

We burn charcoal.

We burn bricks.

We dump wastes.

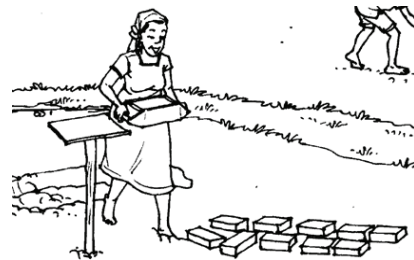
## Read and draw pictures.



People cutting trees



People cutting trees



Brick laying



People burning charcoal



People burning bush



People growing crops



## Read the story and answer the questions

### Overgrazing



In Kiti village some people keep too many animals. They keep too many cows. They keep too many goats. Keeping too many animals is called overgrazing. Overgrazing is so bad. Animals eat all the grass and all the trees. There is no more grass and no more trees. The land is bare. When the rain comes, it takes away all the soil. People cannot get food and animals cannot get grass. We must stop overgrazing.

## Now answer the questions

1. What is overgrazing?
2. What animals do people in Kiti village keep?
3. Why is overgrazing bad to the soil?
4. If you were the chairperson of Kiti village, what would you tell the people?

Write a story about bad things people in your area do to the soil.

You can begin your story like this:

In my village people .....

## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Remind everybody at home to wash hands with soap and clean water all the time.

# ENGLISH

Dear learner,

You are welcome to this lesson on human activities.

You are going to;

- Read the words
- Use “ I will.....” to make a sentence
- Answer questions about the picture
- Read and answer questions about the story
- Read the sentences

**Prepare yourself for this lesson by having an exercise book, pen, rubber, pencil and a ruler.**

## Step 1

Stand up and sing  
It's time for English  
It's time for English  
Hey ho away we go  
Its time for English

## Step 2

Read these words

Graze            burn            brush            collect            cut.

## Step 3

Use, “I will ..... when I go home.

## Example

What will you do when you go home?



I will cut grass when I go home

Use a correct word to complete a sentence

1. What will you do when you go home?  
I will..... maize (plant, spoil)
2. I will..... rubbish (collect, litter)
3. I will..... grass (cut, burn)
4. I will.....gullies. (cover, dig)
5. I will.....cows (graze, beat)

## Step 4



### Read the story.

Erena is in Primary three. She lives with her grandmother. At their home, they have a farm. On the farm, they have a maize garden, cows and goats.

When Erena goes back home, she helps her grandmother to graze the cows and goats. She also plants maize and beans. Her grandmother always cuts grass for

animals. She also covers the pits in the compound.

Erena fetches water and puts it in plastic containers for the animals to drink. She also collects rubbish from the compound.

The cows are healthy and they produce a lot of milk. Erena and her grandmother drink the milk. They also sell some to get money. The family is always happy.

### **Answer the questions**

1. Who are the people talked about in the story?
2. Write down the things found in Erena's home
3. Write three things that Erena does when she goes back home.
4. Why does Erena collect water?
5. Write two things that Erena's grandmother does at home.
6. Why do you think the cows are healthy?
7. How does Erena and her grandmother use the milk?

### **Step 5**

#### **Read these sentences**

1. At Erena's home, there is a maize garden
2. Erena plants maize and beans on the farm
3. Grandmother cuts the grass for the animals
4. Erena collects rubbish from the compound
5. They sell milk to get money

#### **Assignment:**

1. Write 5 words on activities you do when you go home
2. Using those words, write 5 sentences starting; When I go home.....



## HEALTH TIP

LET US STAY SAFE OFF CORONA VIRUS

Remember to cover your mouth with a clean handkerchief or cloth. This will prevent the spread CORONA.



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