



KNES Primary School Science Course Outline Year 2 Term 2

Term Overview

In the second term students will be exploring the concept of Electricity, how batteries work and how electricity helps us in our everyday lives. They will be learning new vocabulary words and doing inquiry based research to learn more about how to use electricity safely and what components are needed to make a circuit board. There will be 14 Tasks to be completed. Some will be sent as homework activities and others will be done in class.

Scientific enquiry is planned into the unit and focuses on:

- Planning and carrying out a survey.
- Using prepared tables and graphs to record information.
- Recognizing and avoiding hazard.

Homework will also be given daily and non-completion of homework will affect the student's final mark. Assessments will be done on an ongoing basis.

Class Rules:

Students, please remember:

- If you are absent, it is your responsibility to get your homework assignment from a classmate and submit it when you return.
- Homework left at home will be considered as not being done.
- If you miss a test or deadline on an assignment, you will receive 0% unless you can provide a letter from a medical doctor to show you were not able to attend.
- It is your responsibility to come to class with the necessary books and other items- they are of no value to you sitting at home.
- You are to use washrooms before school and during scheduled breaks. You are not to be asking to leave class to use the washroom except in 'emergencies' which should not occur often.
- When you hear the bell at the start of the day or at breaktime, line up immediately.
- Be sure to buy food in the cafeteria before the last minutes of your break; you cannot bring the food and/or drink into class.

Unit Outline Science

Unit	Task/Topic/Area	Learning Outcome. Students will be able to:-
1 Jan 8-9	Living with electricity	<ul style="list-style-type: none"> • Look at kitchens from the past and how they cooked food. • Study appliances and how we use them. • Practice safety with electricity. • Complete Task 1 and 2
2 Jan 15-19	Battery power and battery care	<ul style="list-style-type: none"> • Explain that small batteries give use a little power and list how many batteries certain objects need. • Discuss how to use batteries. • Complete Task 3 and 4
3 Jan 22-25	Make the bulb light	<ul style="list-style-type: none"> • Make a circuit • List what materials are needed • Explain how to make a connection. • Complete Task 5 and 6
4 Jan 29-02	What is inside a light bulb?	<ul style="list-style-type: none"> • Explain why bulbs need a holder • Follow the path of electricity. • Complete Task 7 and 8
5 Feb 5-9	Why won't they work?	<ul style="list-style-type: none"> • Explain which circuit will work • Explain how a flashlight works. • Complete Task 9 and 10
6 Feb 12-16	Electricity words	<ul style="list-style-type: none"> • Explain the meanings of words such as: buzzer, bulb holder, battery, bulb, complete circuit, wire. • Match the words and describe meaning. • Complete Task 11-12
7 Feb 19-23	Make these circuits	<ul style="list-style-type: none"> • Build a circuit board and watch it work. • Identify machines. • Complete Task 13 and 14
8 Feb 28-01	Review electricity	<ul style="list-style-type: none"> • Review electricity and tasks 1-7 with corresponding vocabulary.
9 March 4-8	Review Electricity Independent science project assigned	<ul style="list-style-type: none"> • Review electricity and tasks 8-14 with corresponding vocabulary. • Students will be asked to create a poster board of electrical devices they use at home and give a short description of how those devices help them in their everyday life.
10 March 11-15	Project presentations	<ul style="list-style-type: none"> • Students will give a small presentation on their poster board and the electrical devices they use at home.

11 March	Electricity Assessment	<ul style="list-style-type: none"> Students will be tested on vocabulary. Diagrams, multiple choices, fill in the blank and inquiry based questions dealing with the information we learned in the unit.
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Term Assessment Table for Science.

	Description	% of term mark
Assessment Weekly	Completion of end of lesson tasks. (14 tasks)	50% of final term grade
Assessment Completion of Unit	End of Unit test.	30%
Assessment of independent project.	Poster board on Electricity. (Rubrics to follow)	10%
During complete term	Participation in classroom exercises and open discussions.	5%
During complete term	Completion of all Homework (1% deducted for each day homework is late)	5%
	Total	100%

- **Please note that D&T as well as Art will be incorporated in the Science when doing different activities.**