

EMMARENTIA PRIMARY SCHOOL

GRADE 5 NS & TECH

from 07/05 to 12/06

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Grade 5 - Natural Science 2020			
Date	Activity	Resource	Signature of Completion
08/05/2020	<ul style="list-style-type: none"> Answer Revision questions 1-16 (you do not need to answer question 3), pp. 158-161. 	<ul style="list-style-type: none"> Thunderbolt Kids Gr5 	
11/05/2020 12/05/2020 13/05/2020	<ul style="list-style-type: none"> Read pp. 162-163 on Processing materials and Combining materials. Complete the activity "A Research project to learn about stainless steel", pp. 163-164: Tasks 1-5 (you do not need to do task 6). 	<ul style="list-style-type: none"> Thunderbolt Kids Gr5 Use of internet to carry on a research 	
14/05/2020 15/05/2020	<ul style="list-style-type: none"> Read pp. 164 on Mixing. Complete the activity "Making glue", pp. 164-165: follow the instructions 1-5 and then answer in writing Questions 1-5. 	<ul style="list-style-type: none"> Thunderbolt Kids Gr5 Flour 	
18/05/2020 19/05/2020	<ul style="list-style-type: none"> Read pp. 165 on Mixing and setting. Complete the activity "Making Jelly", pp. 166-168: follow the instructions 1-9, then complete in writing the table of observations and Questions 1-5. <p>In case you do not have jelly powder at home to do the practical activity, you might answer the questions based on your past experience of making jelly or seeing jelly being made.</p>	<ul style="list-style-type: none"> Thunderbolt Kids Gr5 Jelly powder 	
20/05/2020	<ul style="list-style-type: none"> Read pp. 168-170 about Mixing cement. Watch the video "How to mix concrete" on https://youtu.be/T_gepV_KDnk (≈ 2 mins) Complete the activity "Making bricks" in attachment. 	<ul style="list-style-type: none"> Thunderbolt Kids Gr.5 Videos Activity 'Making Bricks' (Attachment 1) 	
21/05/2020	<ul style="list-style-type: none"> Read pp. 173-174 about reinforcing bricks. Complete the activity "Reinforcing concrete", pp. 174-176: answer Questions 1-7. 	<ul style="list-style-type: none"> Thunderbolt Kids Gr.5 	
22/05/2020	<ul style="list-style-type: none"> Read pp. 177 on Mixing and cooking. Complete the activity "Let's have fun making flapjacks!", pp. 178-180: follow the instructions on cooking flapjacks, then complete the table on p. 179 and answer Questions 1 and 2. <p>If you do not have all the ingredients listed in the book, it is okay, you might follow your parents' recipe of making flapjacks; then complete the table and questions.</p>	<ul style="list-style-type: none"> Thunderbolt Kids Gr.5 Ingredients to make flapjacks 	
25/05/2020	<ul style="list-style-type: none"> Read "Key Concepts" on p. 184 and answer Revision Questions 1-6, pp. 185-186. 	<ul style="list-style-type: none"> Thunderbolt Kids Gr.5 	

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26/05/2020 27/05/2020	<ul style="list-style-type: none"> ▪ Read p. 188 on Processed Materials – Properties and uses. ▪ Complete the table “Categories of materials” in pp. 189-190. ▪ Complete the activity “Natural and Processed materials” in attachment. 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr5 ▪ Activity “Natural and Processed materials” (Attachment 2) 	
28/05/2020 29/05/2020	<ul style="list-style-type: none"> ▪ Read pp. 192-195 about properties of processed materials. ▪ Find five examples of materials in your home (that is non-metal) and for each of them write why that material has been used and how its properties make it useful to us. 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr5 ▪ Examples of processed materials at home 	
01/06/2020 02/06/2020	<ul style="list-style-type: none"> ▪ Read p.196 about Traditional processing ▪ Complete the activity “Traditional materials and processing”, pp. 196-199: read the text, complete the table on p.198 and answer Questions 1-4. 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr5 	
03/06/2020 04/06/2020 05/06/2020	<ul style="list-style-type: none"> ▪ Read p.199 about traditional African houses. ▪ Complete the activity “Making a mud house stronger”, pp. 200-204. For this activity you have to watch four videos, mentioned in the textbook, their links are: <ol style="list-style-type: none"> 1) video “How to build a mud house” https://youtu.be/-NIhtLDR-3s (≈ 2 mins) 2) video “How to make a mud hut” https://youtu.be/XNfArvnLxO0 (≈ 2 mins) 3) video “Cob Building Demonstration” https://youtu.be/IS1vmfIRkkg (≈ 3 mins) 4) video “Mud Bricks” https://youtu.be/0oBwpFS4Euk (≈ 2 mins) 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr.5 ▪ Videos 	
08/06/2020 09/06/2020	<ul style="list-style-type: none"> ▪ Read pp. 204-206 about Khoikhoi people’s hunts. ▪ Complete the activity “Thinking about Hetsie’s matjeshuis”, pp. 207-210: answer Questions 1-5 (You do not need to do tasks 6 and 7). 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr.5 	
10/06/2020	<ul style="list-style-type: none"> ▪ Read p. 210 about objects made of plant fibres and complete the activity “Identifying objects made from plant fibre”, pp. 211-212. 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr.5 	
11/06/2020 12/06/2020	<ul style="list-style-type: none"> ▪ Read the key concepts on p.213 and answer the Revision questions 1-9, pp. 214-217. 	<ul style="list-style-type: none"> ▪ Thunderbolt Kids Gr.5 	

In the next page you will find Attachments 1 and 2.
Separately, you will also find a copy of the Thunderbolt Kids Grade 5 textbook, pp. 158-217.

Grade 5 NS & TECH – ATTACHMENT 1

ACTIVITY: MAKING BRICKS

INSTRUCTION:

Watch the video: “How to Make Mini Bricks out of Plaster” on <https://youtu.be/MB447JpK3aw> (≈ 2 mins).

QUESTIONS:

1. In the video what materials did the person use to make bricks?
2. Bricks can also be made out of sand. Do you think that sand and water alone would be good materials for making strong bricks? Why?
3. Do you think that by adding Plaster of Paris to a sand and water mixture will make the bricks better? In what way?
4. Can you think of other materials that we could add to the mixture of Plaster of Paris and water to make the bricks even stronger and tougher?

Grade 5 NS & TECH – ATTACHMENT 2

ACTIVITY: NATURAL AND PROCESSED MATERIALS

INSTRUCTION:

Draw a table with two columns. The heading for the left column is “Natural materials” and the heading for the right column is “Processed materials”. Then classify the following materials by writing them in the correct column.

PROCESSED MATERIALS: materials that have been changed in some way to get new properties.

Processed materials can be strong, durable, waterproof or fire-resistant and can have interesting colours or textures.

RAW MATERIALS: materials that have not yet been processed. When raw materials are in the form in which they are found in nature, we call them NATURAL MATERIALS.

NATURAL MATERIALS: materials that come from plants, animals or the ground and are not yet processed.



wood



sand



paper



coal



rubber



concrete



steel



organic oil



cotton



plastic



gold



leather



iron



chalk



glass