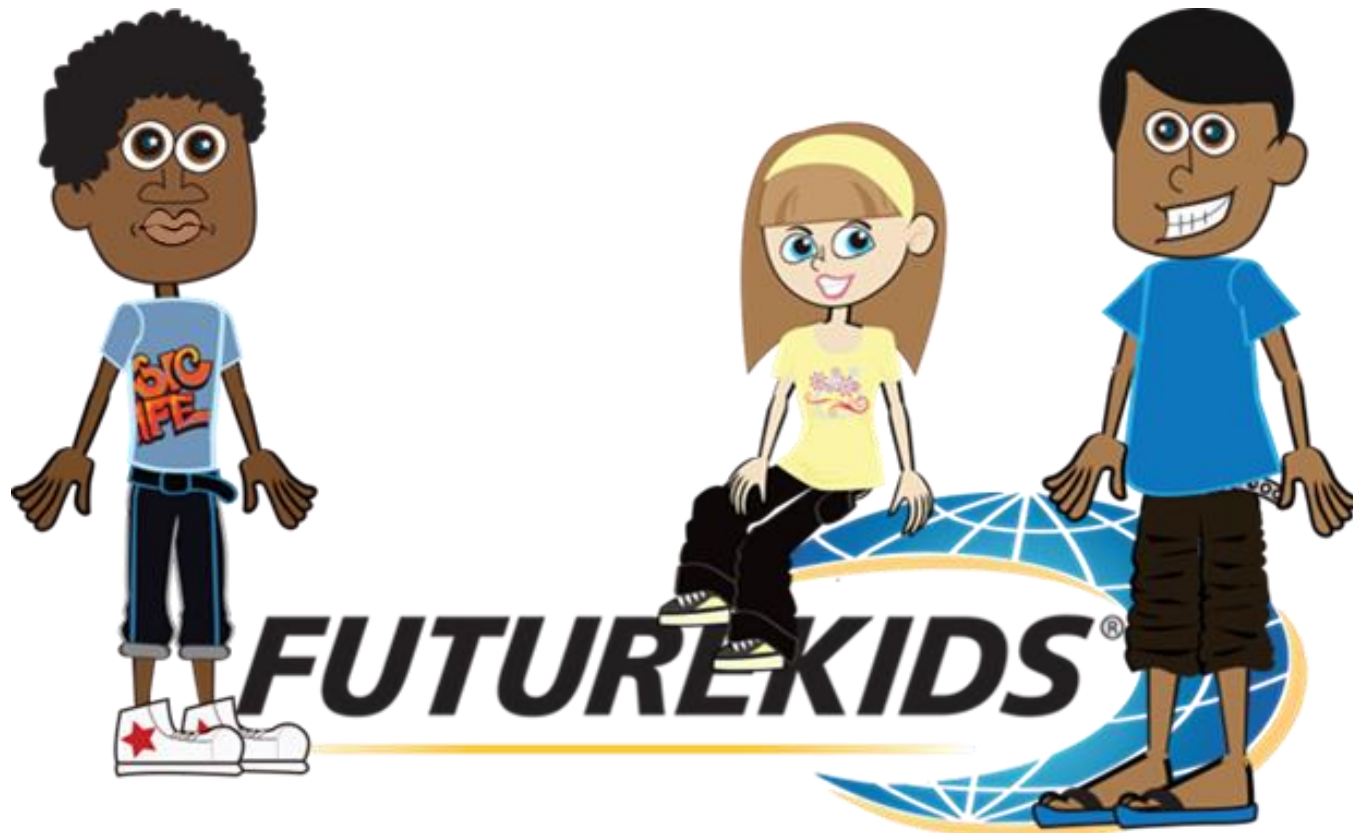
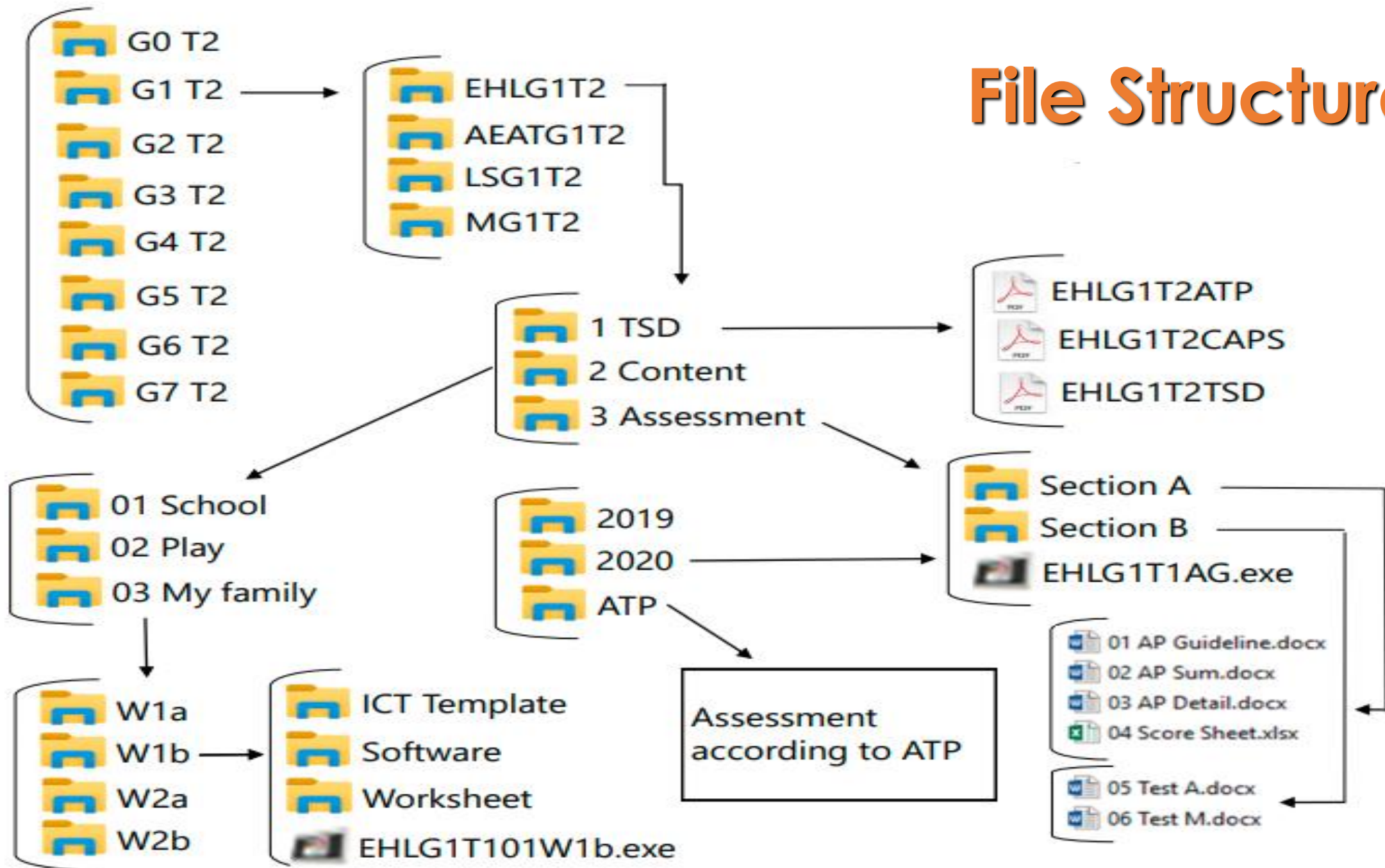


Future-FUN CAPS

Using the offline content



File Structure



TSD Planning

 NSG4T3CAPS.pdf

 NSTG4 ATP23.pdf

 NSTG4T3TSD_ATP.pdf

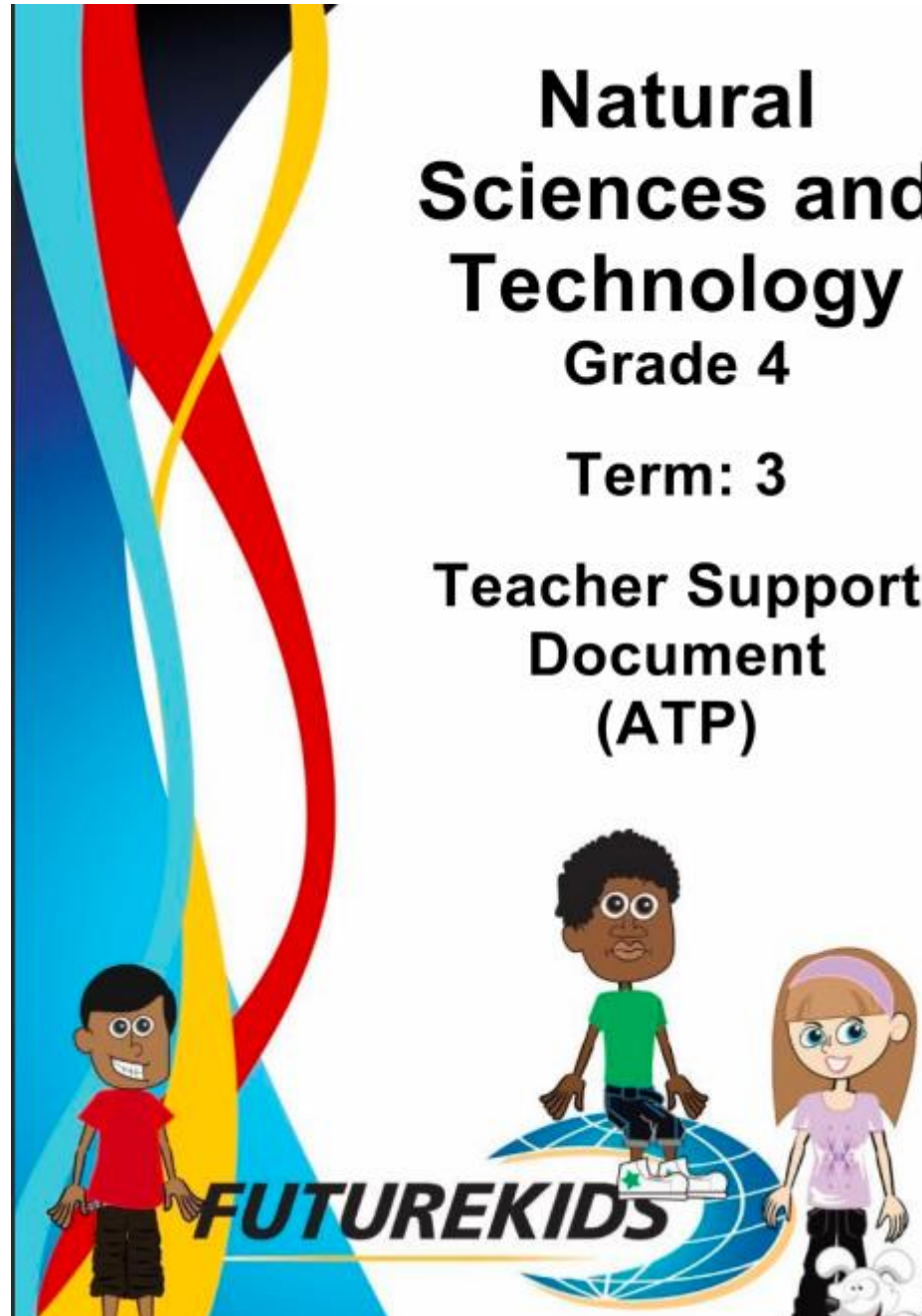
**Print document
for each subject**

Natural Sciences and Technology

Grade 4

Term: 3

Teacher Support
Document
(ATP)



Term content

Future-FUN CAPS Natural Sciences and Technology

Grade 4 Term 3

Natural Sciences and Technology Term 3			
Topic 1 - Energy and Energy Transfer			ATP
NSTG4T3T1T1	Theme 1: Energy for life	Pg. 8	Week 1-3
NSTG4T3T1T2	Theme 2: Energy from the sun	Pg. 9	
Topic 2 - Energy Around us			
NSTG4T3T2T1_1	Theme 2.1_1: Energy	Pg. 10	Week 3-5
NSTG4T3T2T1_2	Theme 2.1_2: Energy	Pg. 10	
NSTG4T3T2T2	Theme 2: Input and output energy	Pg. 11	
Topic 3 - Movement and Energy in a System			
NSTG4T3T3T1a	Theme 1a: Movement and musical instruments	Pg. 12	Week 5-7
NSTG4T3T3T1b	Theme 1b: Movement and musical instruments	Pg. 13	
Topic 4 - Energy and Sound			
NSTG4T3T4T1	Theme 1: Vibrations and sound	Pg. 14	Week 8-9
NSTG4T3T4T2_1	Theme 2.2_1: Making sounds	Pg. 15	
NSTG4T3T4T2_2	Theme 2.2_2: Making sounds	Pg. 15	
NSTG4T3T4T3_1	Theme 3.3_1: Noise pollution	Pg. 16	
NSTG4T3T4T3_2	Theme 3.3_2: Noise pollution	Pg. 16	
Remediation, Revision, and Consolidation			Week 10-11

Term assessment

CAPS Formal Assessment		
Assessment Guide: NSTG4T3AG		
Section A: CAPS Formal Assessment		
NSTG4T3AG	Assessment Guide	Pg. 17
NSTG4T3AG	Assessment Plan	Pg. 17
NSTG4T3AG	Assessment Detail	Pg. 17
NSTG4T3AG	Scoresheet	Pg. 17
Section B: CAPS Formal Assessment Activity		
Task 1		
NSTG4T3AG	05 Formal Class Test	Pg. 17
NSTG4T3AG	06 Formal Class Test Memorandum	Pg. 17
Task 2		
NSTG4T3AG	07 Practical Task	Pg. 17
NSTG4T3AG	08 Practical Task Rubric	Pg. 17

CAPS Formal Assessment 2020		
Assessment Guide: NSTG4T3AG		
Section A: CAPS Formal Assessment		
NSTG4T3AG	Assessment Guide	Pg. 17
NSTG4T3AG	Assessment Plan	Pg. 17
NSTG4T3AG	Assessment Detail	Pg. 17
NSTG4T1-4AG	Scoresheet	Pg. 17
NSTG4T3AG	Learner Summary	Pg. 17
Section B: CAPS Formal Assessment Activity		
Task 1		
NSTG4T3AG	01 Practical Task	Pg. 17
NSTG4T3AG	02 Practical Task Rubric	Pg. 17
Task 2		
NSTG4T3AG	03 Test	Pg. 17
NSTG4T3AG	04 Test Memorandum	Pg. 17

E-book Content

Topic	Theme	Resources	Content	Type of resources	Enrichment and Informal assessment	Dates	
						Start	End
Topic 1 - Energy and Energy Transfer	1. Energy for life (4 hours 25 min)	01 Where does energy come from	Energy for life	V	E		
		02 Force, work and energy relationship		V			
		03 Energy is the ability to do work		TB	IA		
		04 Energy for life		PPT C			
		05 Body songs: Food into energy		V	E		
		06 Energy is all around us		TB			
		07 Grain chain: Energy		V			
		08 Life Flashcards		PPT FC			
		09 Energy fun time		PPT Q	IA		
		10 Food drop game		ON-IA			
		11 Food group game		ON-IA			
		12a Energy for life		WS	IA		
		12b Energy for life		MEMO	IA		
	Barriers experienced		Support given				
	Expanded opportunities		Date completed and signature				

Content



Worksheet

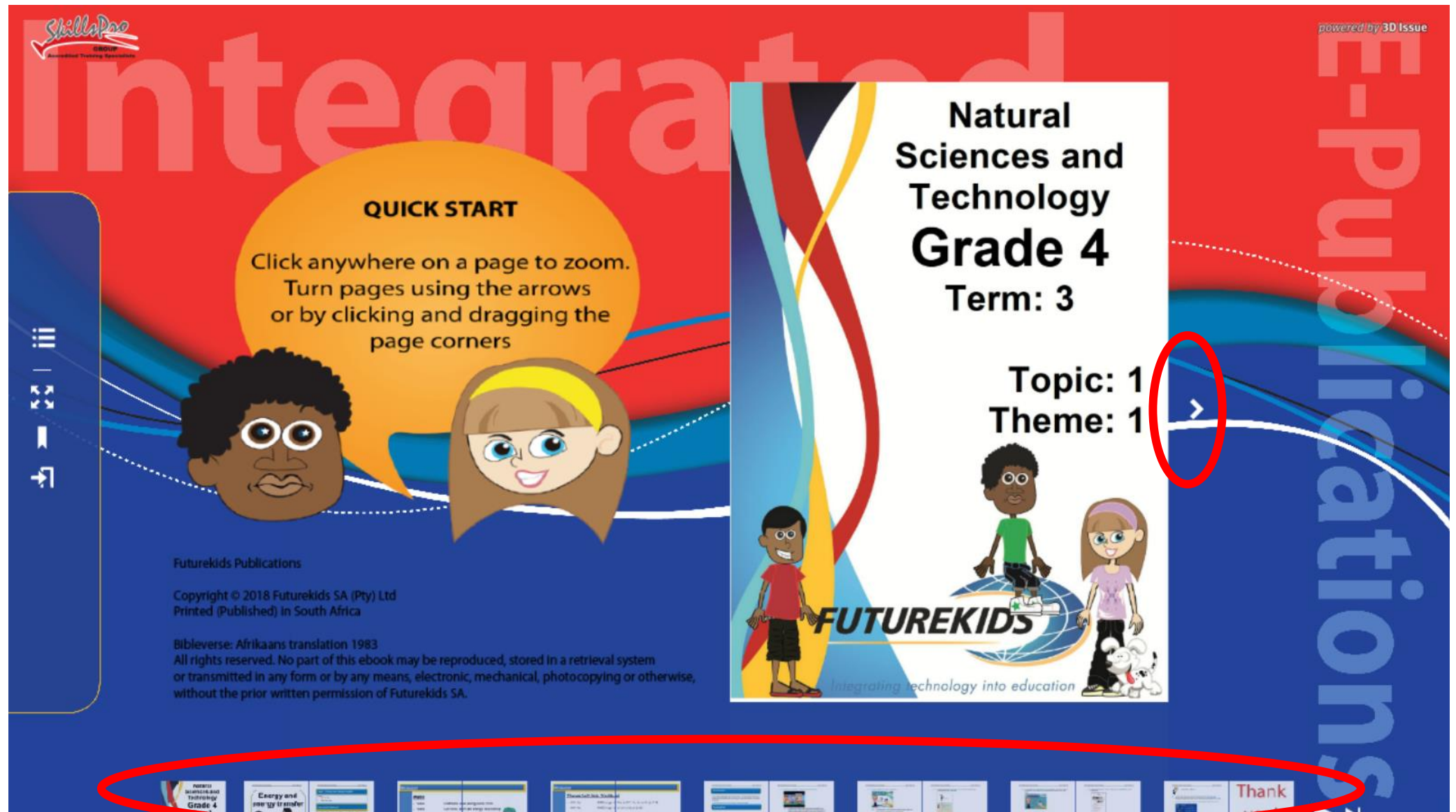
**Printable
Worksheets**



EHLG1T101W1b.exe

Content e-Book

Navigate your e-Book



Zoom in by clicking on the page

Week 3 Ons Klaskamer

Graad O Kwartaal 1

Onderwerp: Ons Klaskamer

E-Boeke:

1. Maandag

2. Dinsdag

3. Woensdag

4. Donderdag

5. Vrydag

Fokus en Hulpbronne

Kennis

✓ Waar bêre ek my goed

Vaardighede

✓ Luister en respekteer klaskamerreëls

Waardes

✓ Hou jou persoonlike goed veilig

Zoom out by clicking on the page again

Use in class to open content

SkillsPro GROUP
Assessment Training Specialists

powered by 3D Issue

Resources

Media

- Video 01 Where does energy come from
- Video 02 Force, work and energy relationship
- Presentation 04 Energy for life
- Video 05 Body songs: Food into energy
- Video 07 Grain chain: Energy
- Presentation 08 Energy for life Flashcards
- Presentation 09 Energy for life Flashcards

Click on one of the buttons



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NS 64 T3 T1 T1

Thank you!

Lesson plan for preparation



powered by 3D Issue

Description

In this topic, "Energy and energy transfer", the learners will learn what energy is used for and how we get energy from food and the Sun. They will also learn that the sun provides food for plants as well as how energy is transferred from the sun to plants and animals.

In this theme we will look at the uses and the source of energy.

Preparation

- Media Lesson**
 - Show the video "01 Where does energy come from".



Where Does Energy Come From?

 - As a caveman living long ago he knows that light and heat energy may come from the sun or burning firewood. However he now travels through time to learn that in our world we have many other sources such as oil, coal, natural gas, geothermal, nuclear, falling water, wind and solar cells and how some of these are used in power plants to turn generators to make electricity.

- View the video "02 Force, work and energy relationship".



Force, work and energy relationship

 - This educational video explains the difference between Force, Work & Energy. Energy is the ability to do work whereas work is defined as the transfer of energy from one object to another, it is especially applied in order to make the 2nd object move in a certain direction. The meaning of force may be stated in following words: A force is a push or pull effect upon an object resulting from its interaction with other objects. Examine the animation to clarify and enhance understanding.
- Complete the "03 Energy is the ability to do work" activity on pages 4-5 of the Thunderbolt kids learner Workbook.



Energy is the ability to do work

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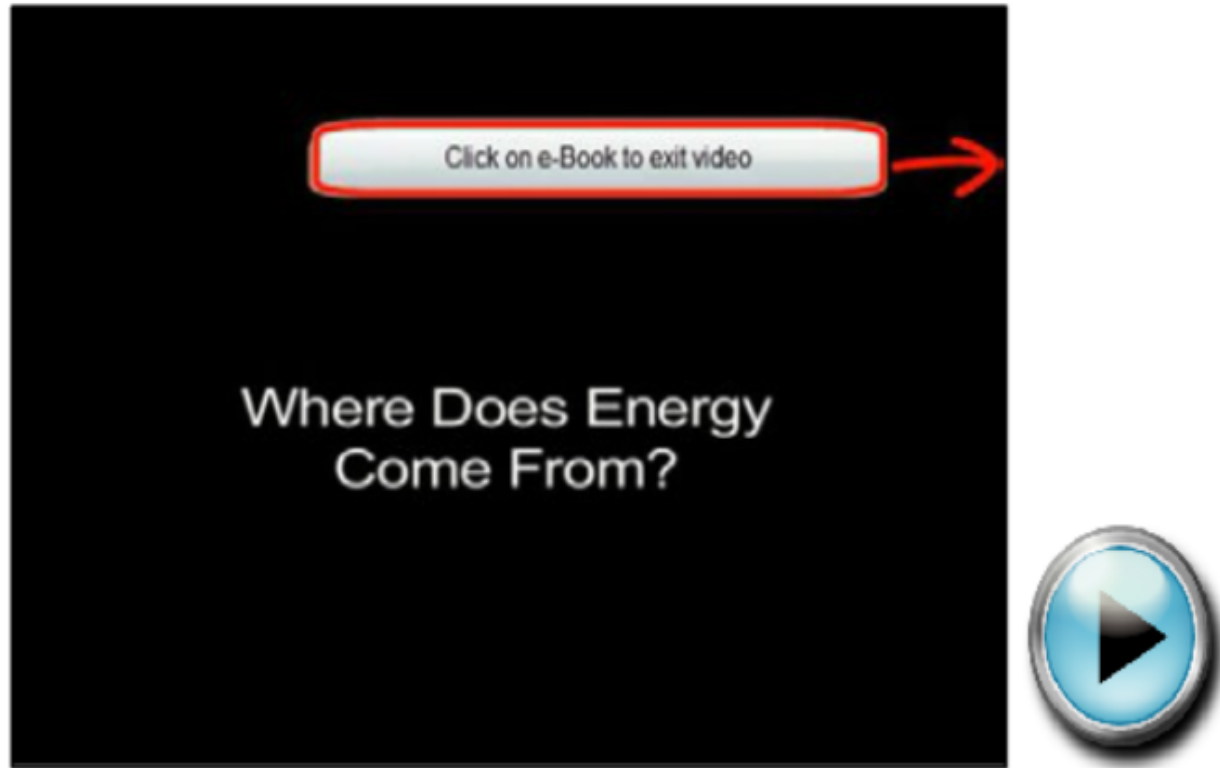
Thunderbolt kids learner Workbook

Energy and energy transfer

Thank you!

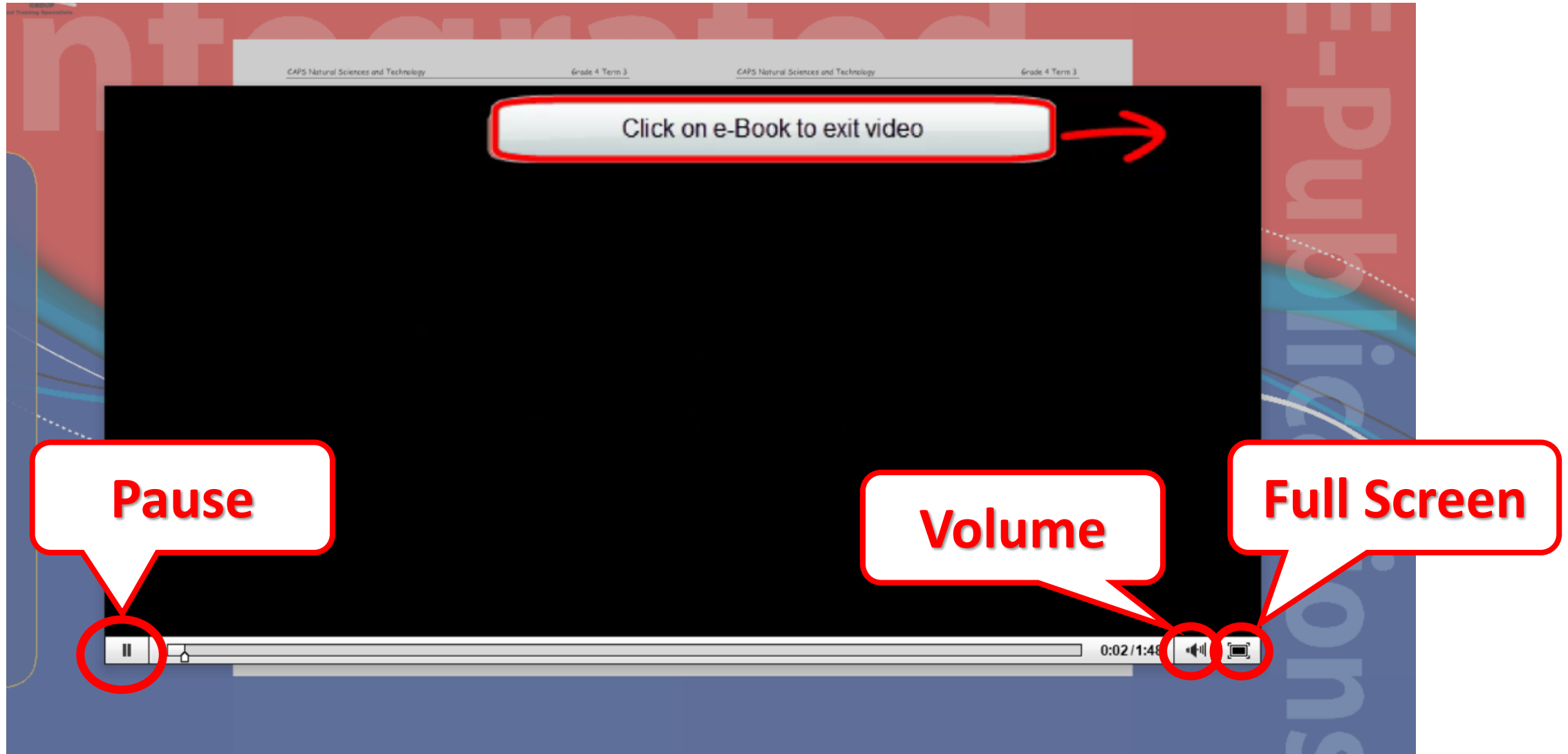
Videos

1.1. Show the video “01 Where does energy come from”.

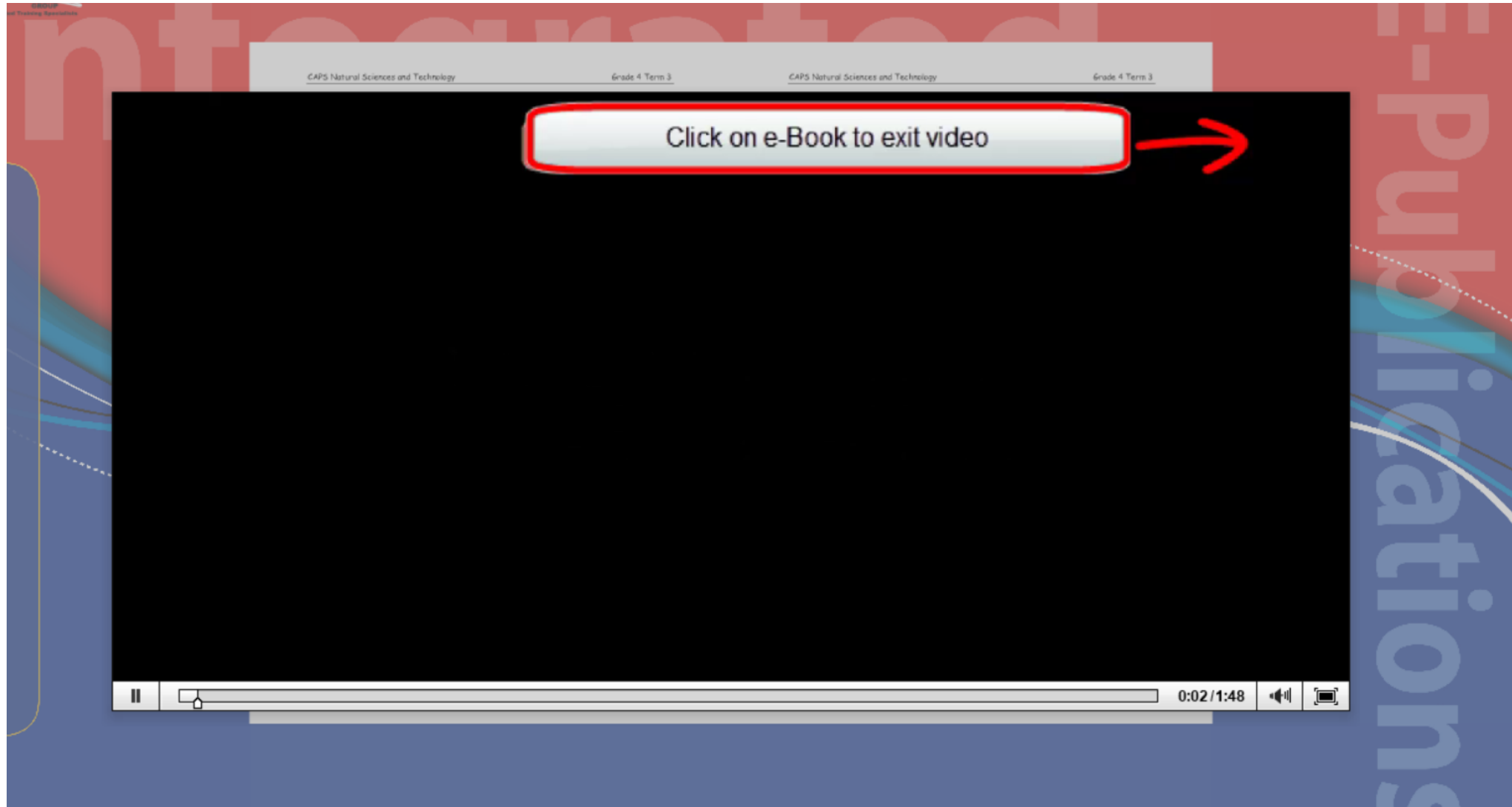


Between 2 and 5 minutes each

Click on play button to view video

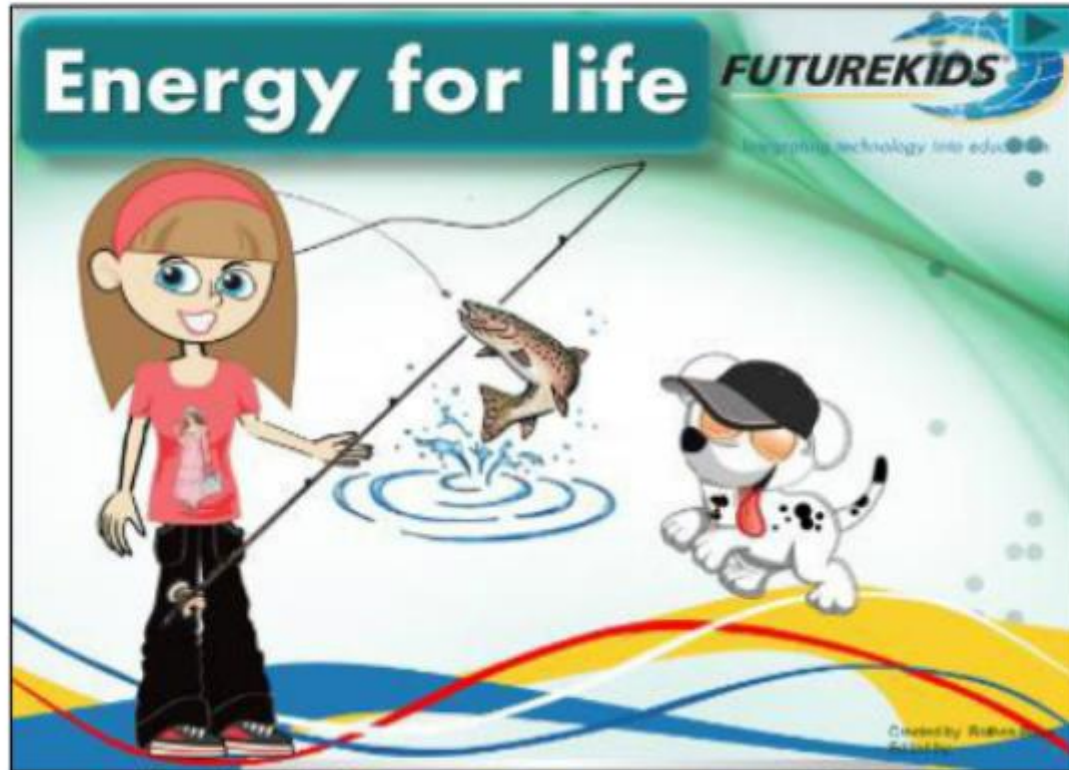


To exit video click on red/blue part



Click on star button to view PowerPoint

1.4. View the “**04 Energy for life**” presentation.



If PowerPoint does not open immediately please
press the following combination keys on your
keyboard

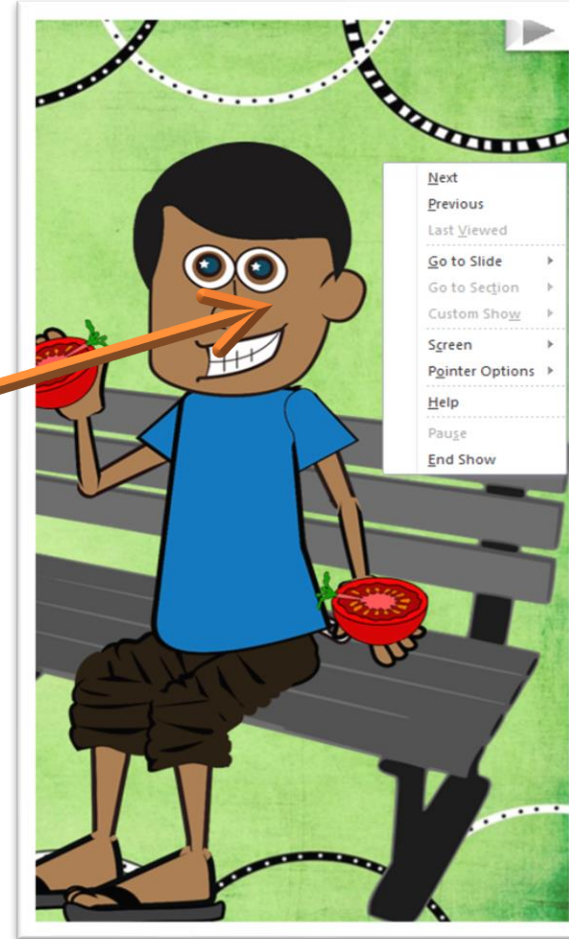


&



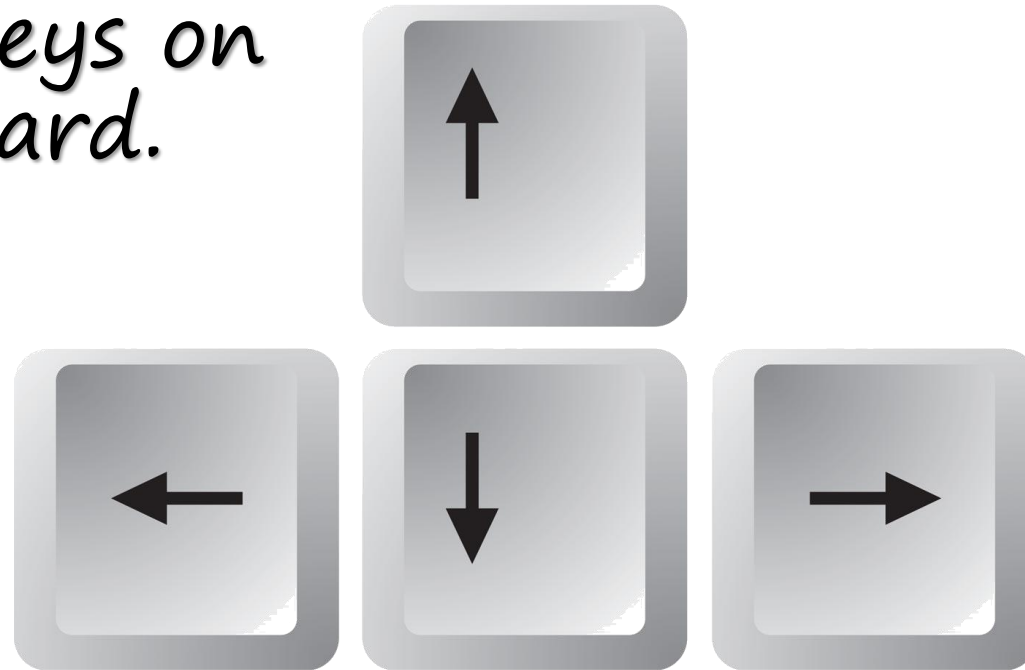
Moving around

- Start the presentation
- Right click:
 - Short cut menu
 - Previous / next / any slide



Moving faster

To quickly and easily navigate through the presentation use arrow keys on keyboard.



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escape key on
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