**MINISTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

**SCHEMES OF WORK**

**SUBJECT**: TECHNOLOGY STUDIES

**GRADE**: 7 **TERM**: 1  **YEAR**: 2018

|  |  |  |  |  |  |
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| WEEK | TOPIC/CONTENT | GENERAL OUTCOMES | METHODS | T/L RESOURCES | REFERENCE |
| 1 | DRAWING  -Introduction to orthographic projection  -Drawing of three dimensional objects  -isometric projections  -Orthographic projection | Acquire knowledge, positive attitudes and values in designing and making artefacts. | -demonstration  - group work  -question and answer | -charts showing isometric and orthographic projection  -Real objects | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 1-3  - Longman pupils book page 1-8 |
| 2 | DRAWING  -Basic building drawing  -Assessment | Acquire knowledge, positive attitudes and values in designing and making artefacts | -demonstration  - group work  -question and answer | -charts showing elevations of simple conventional house | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide page 1-3  -Long man pupils book page1-8 |
| 3 | CONSTRUCTION  Joining materials  -joining wood  -Butt joints  -Edge to Edge butt joint  -Lap joint | Acquire knowledge, positive attitudes and values in designing and making artefacts | -demonstration  - group work | -wood  -glue  -clamp  -chart | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 1-3  - Longman pupils book page 9-12 |
| 4 | CONSTRUCTION  Joining materials  -Screws  -Building materials  -Assessment | Acquire knowledge, positive attitudes and values in designing and making artifacts | -demonstration  - group work | -charts showing different types of  -screws  -screws | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 1-3  - Longman pupils book page 13-17 |
| 5 | CALCULATOR  System calculators  -What is a calculator  -types of calculator | Develop competences in the application of ICTs in everyday activities | -demonstration  -group | -chart showing calculators  -standard calculators  -scientific calculators  -abacus | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 11-12  - Longman pupils book page 18-19 |
| 6 | CALCULATOR  System calculators  - calculators on a computer  -cell phone calculators | Develop competences in the application of ICTs in everyday activities | -demonstration  -group  -question and answer | -charts on manilla or commercial showing computers and cell phones  -computers  -cell phones | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 12-14  - Longman pupils book page 20 |
| 7 | CALCULATOR  -Common calculator keys and their functions  **MID-TERM TEST AND REVISION** | Develop competences in the application of ICTs in everyday activities | -demonstration  -group  -question and answer | -charts showing computers and cell phones  -actual computers  - actual cell phones  -actual calculator | - Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 12-14  - Longman pupils book page 20 |
| 8 | CALCULATOR  System calculators  -How to use a calculator  -Using a hand held standard calculator | Develop competences in the application of ICTs in everyday activities | -  demonstration  -group discussion-question and answer | -  charts showing different types of calculators  -standard calculators  -scientific calculators | -- Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 14-15  - Longman pupils book page 20-23 |
| 9 | CALCULATOR  System Calculator  -Using a hand held standard calculator | Develop competences in the application of ICTs in everyday activities | --demonstration  -group discussion  -question and answer | -charts showing different types of calculators  -standard calculators  -scientific calculators | -- Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 14-15  - Longman pupils book page 23-25 |
| 10 | CALCULATOR  System Calculator  -Using the calculator on your computer | Develop competences in the application of ICTs in everyday activities | --demonstration  -group discussion  -question and answer | computers | -- Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 14-15  - Longman pupils book page 26-30 |
| 11 | CALCULATOR  System Calculator  -Copying from the computer calculator to word  -How to use cellphone calculator | Develop competences in the application of ICTs in everyday activities | --demonstration  -group discussion | chart  -computers  -cell phones | -- Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 14-15  - Longman pupils book page 26-30 |
| 12 | CALCULATOR  System Calculator  -Copying from the computer calculator to word  -How to use cell phone calculator | Develop competences in the application of ICTs in everyday activities | --demonstration  -group discussion | chart  -computers  -cell phones | -- Grade 5- 7 technology studies syllabus page 8-9  -Longman technology studies teachers guide -page 14-15  - Longman pupils book page 26-30 |
| 13 | REVISION, TESTING AND COMPLIATION OF RESULTS |  |  |  |  |

**NB: FOR MIDTERM , TESTTWO SUBJECTS PER DAY AND TEACH THE OTHER SUBJECTS THAT APPEAR ON THE TIME TABLE THAT DAY.**

**MINISTRY OF GENERAL EDUCATION**

**SOUTHERN PROVINCE**

**SCHEMES OF WORK**

**SUBJECT**: TECHNOLOGY STUDIES

**GRADE**: 7 **TERM**: 2  **YEAR**: 2018

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| WEEK | TOPIC/CONTENT | GENERAL OUTCOMES | METHODS | T/L RESOURCES | REFERENCES |
| 1 | ENERGY  -Electricity | -Acquire knowledge ,positive attitudes and values in designing and making artefacts | -Class discussion  -Group discussion  Demonstration  Question and answer | -Bulb  -batteries  Connecting wire  Paper clip  Bulb holder  -Chart showing a simple circuit | -5-7 Technology Studies Syllabus page 8-9  -Longman teachers guide page 16  -Longman Pupils book page 34-36. |
| 2 | ENERGY  -Electricity | -Acquire knowledge, positive attitudes and values in designing and making artefacts | -Class discussion  -Group discussion  Demonstration -Question and answer | -heaters  -electric wires  -fans  -charts on manila showing items above | -5-7 Technology Studies Syllabus page 8-9  -Longman teachers guide page 17-18  -Longman Pupils book page 36-39. |
| 3 | ENERGY  Electricity  -Bells  -Assessments | -Acquire knowledge, positive attitudes and values in designing and making artefacts | -Class discussion  -Group discussion  demonstration  -Question and answer | -chart showing different types of bells  -bells | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 18-19  -Longman Pupils book page 40-41. |
| 4 | THE INTERNENT  Internet risks  -Using the internet  -Risks when using the internet  -Protect yourself against internet risks | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  -Question and answer | -charts showing a person working on a computer  -ATMs  -Phones | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 20  -Longman Pupils book page 42-46. |
| 5 | THE INTERNERT  Internet Risks  -Protect yourself against  internet risks  -Assessment | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  - Question and answer | -Computer  -A chart showing a computer | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 21- 22  -Longman Pupils book page 48 – 53 |
| 6 | SEARCHING AND RETRIE-VING INFORMATION  External storage devices | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  - Question and answer | -Chart showing storage devices  -Computers  -CDs  -Memory sticks | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 23- 24  -Longman Pupils book page 54-56 |
| 7 | SEARCHING AND RETRIE-VING INFORMATION  External storage devices  **MID-TERM TEST AND REVISION** | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  - Question and answer | -Chart showing storage devices  -Computers  -CDs  -Memory sticks | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 23- 24  -Longman Pupils book page 54-56 |
| 8 | SEARCHING AND RETRIEVING INFORMATION  External storage devices | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  -Question and answer | -Chart on a manila showing storage devices  -Computers  -CDs  -Memory sticks | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 23-24  -Longman Pupils book 54 -56 |
| 9 | SEARCHING AND RETRIEVING INFORMATION  The World Wide Web(www) | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  -Question and answer | Computers  smart phones | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 24-25  -Longman Pupils book page 63-64 |
| 10 | SEARCHING AND RETRIEVING INFORMATION  The World Wide Web(www) | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  -Question and answer | Computers  smart phones | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 25  -Longman Pupils book page 64-65 |
| 11 | SEARCHING AND RETRIEVING INFORMATION  The World Wide Web(www) | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  -Question and answer | Computers  smart phones | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 25  -Longman Pupils book page 66-67. |
| 12 | SEARCHING AND RETRIEVING INFORMATION  The World Wide Web(www) | -Develop Competences in the application of ITCs in everyday activities | -Class discussion  -Group discussion  -Demonstration  -Question and answer | Computers  smart phones | -5-7 Technology Studies Syllabus page 8-10  -Longman teachers guide page 25  -Longman Pupils book page 66-67. |
| 13 | REVISION, TESTING AND  COMPLIATION OF RESULTS |  |  |  |  |

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**SOUTHERN PROVINCE**

**SCHEMES OF WORK**

**SUBJECT**: TECHNOLOGY STUDIES

**GRADE**: 7 **TERM**: 3  **YEAR**: 2018

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WEEK | TOPIC/CONTENT | GENERAL OUTCOME | METHODS | L/T RESOURCES | REFERENCE |
| 1 | ENTREPRENEURSHIP   * Entrepreneurship as acareer | -develop competencies in the application of I.C.T in everyday activities  -acquire knowledge, positive attitude and values in designing and making artefacts | * Group discussion * project | -Resource person  -Small group discussion  -project  -demonstration | Technology syllabus 5-7  Technology Longman T  g 33-34  Longman pbpg 83-85 |
| 2 | ENTREPRENEURSHIP   * Entrepreneurship as a career | -develop competencies in the application of I.C.T in everyday activities  --acquire knowledge, positive attitude and values in designing and making artefacts | * Group discussion * project | -Small group discussion  -project  -demonstration | Technology syllabus 5-7  Technology Longman T  g 34  Longman pbpg 83-85 |
| 3 | ENTREPRENEURSHIP   * Entrepreneurship as a career * market a product * Swot analysis | -develop competencies in the application of I.C.T in everyday activities  -acquire knowledge, positive attitude and values in designing and making artefacts | * Group discussion * project | -Small group discussion  -project  -demonstration | Technology syllabus 5-7  Technology Longman TG  Pg 35-36  Longman pbpg95-97 |
| 4 | ENTREPRENEURSHIP   * Entrepreneurship as a career * research project * assessment | -develop competencies in the application of I.C.T in everyday activities  -acquire knowledge, positive attitude and values in designing and making artefacts | * Group discussion * project | -Small group discussion  -project  -demonstration | Technology syllabus 5-7  Technology Longman TG  Pg36  Longman pbpg98-101 |
| 5 | ENTREPRENEURSHIP   * Entrepreneurship as a career * research project | -develop competencies in the application of I.C.T in everyday activities  -acquire knowledge, positive attitude and values in designing and making artefacts | * Group discussion * project | -Small group discussion  -project  -demonstration | Technology syllabus 5-7  Technology Longman TG  Pg36  Longman pbpg 98-101 |
| 6 | ENTREPRENEURSHIP   * Entrepreneurship as a career * market a product * Swot analysis | -develop competencies in the application of I.C.T in everyday activities  -acquire knowledge, positive attitude and values in designing and making artefacts | * Group discussion * project | -Small group discussion  -project  -demonstration | Technology syllabus 5-7  Technology Longman TG  Pg 35-36  Longman pbpg 95-97 |
| 7 | Final examination |  |  |  |  |