**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 | CONSTRUCTIONJoining 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 | CONSTRUCTIONJoining 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 | CALCULATORSystem 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 | CALCULATORSystem 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 | CALCULATORSystem 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 | CALCULATORSystem 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 | CALCULATORSystem 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 | CALCULATORSystem 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 | CALCULATORSystem 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 discussionDemonstrationQuestion and answer | -Bulb -batteriesConnecting wirePaper clipBulb 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 discussionDemonstration -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 | ENERGYElectricity-Bells-Assessments | -Acquire knowledge, positive attitudes and values in designing and making artefacts | -Class discussion-Group discussiondemonstration -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 INTERNENTInternet 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 INTERNERTInternet 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 INFORMATIONExternal 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 INFORMATIONExternal 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 INFORMATIONExternal 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 INFORMATIONThe 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 INFORMATIONThe 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 INFORMATIONThe 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 INFORMATIONThe 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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**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 5-7Technology Longman Tg 33-34Longman 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 5-7Technology Longman Tg 34Longman 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 5-7Technology Longman TGPg 35-36Longman 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 5-7Technology Longman TGPg36Longman 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 5-7Technology Longman TGPg36Longman 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 5-7Technology Longman TGPg 35-36Longman pbpg 95-97 |
| 7 | Final examination |  |  |  |  |