

**KITALE NATIONAL POLYTECHNIC  
P.O.BOX 2162-30200  
KITALE**

**REQUIREMENTS FOR MECHANICAL/AUTOMOTIVE DEPARTMENT**

**GENERAL**

- Navy blue overall/dust coat
- Industrial boots
- Technical Drawing set
- Big 45° and 60° set squares
- T-square
- Scientific calculator
- Advanced SMP tables
- Steam tables(Diploma course)
- Protractor(Diploma course)

**TEXT BOOKS**

**Areas covered**

- ✓ Automotive Engineering
- ✓ Technical drawing
- ✓ Engineering science
- ✓ Mathematics
- ✓ Mechanical Engineering
- ✓ Production technology
- ✓ Mechanical technology
- ✓ Mechanics of machines
- ✓ Strength of materials
- ✓ Fluid mechanics
- ✓ Metrology
- ✓ Production and operation management

The titles of text books will be provided by the department as per course chosen.

**HOD MECHANICAL/AUTOMOTIVE ENGINEERING**

**For PRINCIPAL**

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**REQUIREMENTS FOR CRAFT CERTIFICATE IN SCIENCE LABORATORY**

- **Lab coat(white)**
- **Acid proof gloves**
- **Scientific calculator**
- **M.V Roberts: A practical approach(students manual)**
- **Laboratory preparation for secondary schools by Ngugi**
- **Technical drawing set**
- **Goggles**

**HOD MATHS AND APPLIED SCIENCES**

**For PRINCIPAL**

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**REQUIREMENTS FOR :**

❖ **DIPLOMA IN ANALYTICAL CHEMISTRY**

❖ **DIPLOMA IN CHEMICAL ENGINEERING**

- **Lab coat(white)**
- **Acid proof gloves**
- **Scientific calculator**
- **Technical drawing set**
- **T-square**
- **Goggles**

**TEXT BOOKS**

✓ **Fundamental of analytical chemistry by D A Skoog, D M**

**West,F J Holle and S R Crouch**

✓ **Principles and practice of analytical chemistry(1995) by FiField**

**and Kealey**

**HOD MATHS AND APPLIED SCIENCES**

**For PRINCIPAL**

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**REQUIREMENTS FOR ELECTRICAL /ELECTRONICS DEPARTMENT**

- **Navy blue overall/dust coat**
- **Technical Drawing set**
- **Big 45° and 60° set squares**
- **T-square**
- **Scientific calculator**
- **Advanced SMP tables**
- **Drawing pencils HB, H, 2H**

**TEXT BOOKS**

**The list of text books will be provided at the department**

**HOD ELECTRICAL/ELECTRONICS DEPARTMENT**

**For: PRINCIPAL**

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**REQUIREMENTS FOR DIPLOMA APPLIED BIOLOGY**

- **Lab coat (white)**
- **Technical Drawing set**
- **Big 45° and 60° set squares**
- **T-square**
- **Scientific calculator**
- **Dissection kit**

**TEXT BOOKS**

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**HOD MATHS AND APPLIED SCIENCES**

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**REQUIREMENTS FOR DIPLOMA IN ENVIRONMENTAL SCIENCE**

- **Lab coat (white)**
- **Industrial gloves**
- **Scientific calculator**
- **Dissection kit**
- **Goggles**
- **Gas masks**

**TEXT BOOKS**

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**HOD MATHS AND APPLIED SCIENCES**

**For PRINCIPAL**

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**REQUIREMENTS FOR BUILDING AND CIVIL ENGINEERING DEPT**

- Navy blue overall/dust coat
- Technical Drawing set
- Big 45° and 60° set squares
- T-square
- Scientific calculator
- Scale rule-SI

**TEXT BOOKS**

The list of text books will be provided at the department

**HOD BUILDING AND CIVIL ENGINEERING DEPARTMENT**

**For PRINCIPAL**

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**REQUIREMENTS FOR SECRETARIAL SECTION**

**STATIONERY**

- 4 -Shorthand note pads
- 1 - Ream photocopying paper
- 6 -110HB pencils
- 2 - Re-writable CD's

**TEXT BOOKS**

- ✓ Shorthand anniversary edition by Pitman
- ✓ Shorthand dictionary
- ✓ Keyboarding and document processing
- ✓ Office practice by Gichira
- ✓ Commerce simplified by Saleem
- ✓ Communication skills by Saleem
- ✓ Financial accounting by Saleem

**HOD BUSINESS DEPARTMENT**

**For; PRINCIPAL**



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**REQUIREMENTS FOR FOOD AND BEVERAGE**

- **Dust coat(white)**
- **. Chefs jacket(white)**
- **Chefs Trouser or Straight skirt( 2 black)**
- **Low heeled closed shoes(black)**
- **Apron(white)**
- **Chefs hat(white)**
- **Bowtie/wide black ribbon**
- **Dish clothes(5 pieces)**
- **Oven gloves(1 piece)**
- **Glass cloth(2 piece)**
- **Tray cloth(2 pieces)**
- **Waiters cloth[2 white(cotton)]**
- **Yellow duster(1 piece)**
- **Opener(1 piece)**
- **Shirt/Blouse[2 white(long sleeved)]**
- **Half coat(black)**

**TEXTBOOKS**

- ✓ **Practical cookery 11<sup>th</sup> edition by Kinston and Caserani**
- ✓ **Theory of Catering by Kinston and Caserani**
- ✓ **Food and beverage Service theory by Lillicrap**

**HOD HOSPITALITY MANAGEMENT**

**For: PRINCIPAL**

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**REQUIREMENTS FOR AGRICULTURE DEPARTMENT**

**GENERAL**

- Green dust coat
- A pair of gumboots
- Plastic [black] gloves
- Technical drawing set
- Big 45<sup>0</sup> and 60<sup>0</sup> set squares
- T-square
- Scientific calculator

**BOOK LIST**

- ✓ E.A Agriculture by Karau Nguyo
- ✓ Principles of Animal Production
- ✓ Principles of Crop Production
- ✓ Technical Handbook of Vegetable gardening in Kenya
- ✓ Technical Handbook of Animal Production
- ✓ One text book [Relevant] on any field in:-Crop Production ,  
Animal [Production, Farm management, Agricultural extension.

**HOD GENERAL AGRICULTURE DEPARTMENT**

**For; PRINCIPAL**