



School Manufacturing Hub

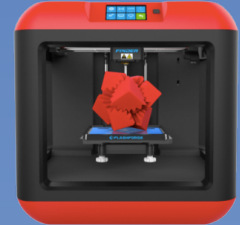
CERTIFIED

AKASHA  
SCHOOL



1. Geometry Ruler
2. Geometry Triangle
3. Geometry Protractor
4. Stationary Holder (Caddy)
5. Sport: Chess Pieces
6. Sport: Tennis Racket
7. Sport: Hockey Stick

Practicals



# We have a deep passion for sports

Make use of 4IR: **Robotics** and **3D Printing**, to have your students proudly represent your school at both **provincial** and **national** levels in a variety of sports

## 3D Printed Tennis Racket

*Enabling a culture of sport  
through robotics*

### Instil in your pupils:

- ✓ a powerful sense of focus
- ✓ a drive for success
- ✓ a healthy competitive spirit
- ✓ a strong camaraderie



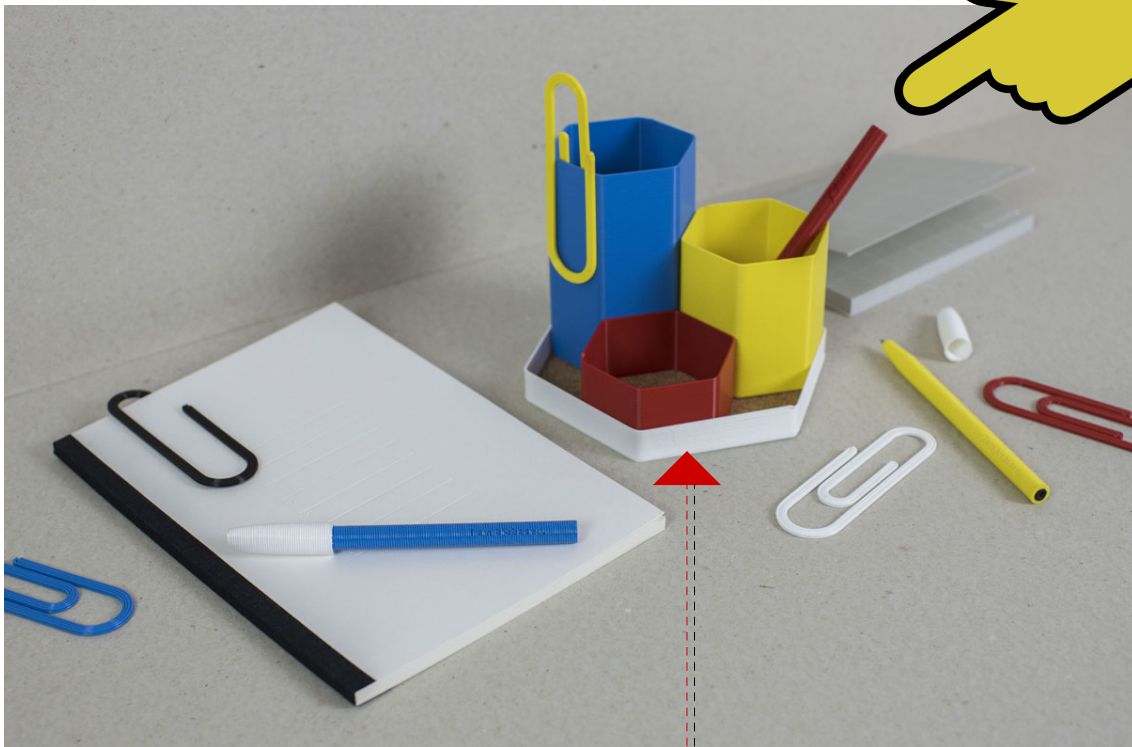


CERTIFIED

AKASIA

# SCHOOL MANUFACTURING HUB

Fostering **Employability** through  
4IR: Robotics and **3D Printing**



## **A** For LEARNERS

- ✓ Geometry Ruler ~ R29
- ✓ Geometry Triangle ~ R39
- ✓ Geometry Protractor ~ R49

## **B** For STAFF ROOM

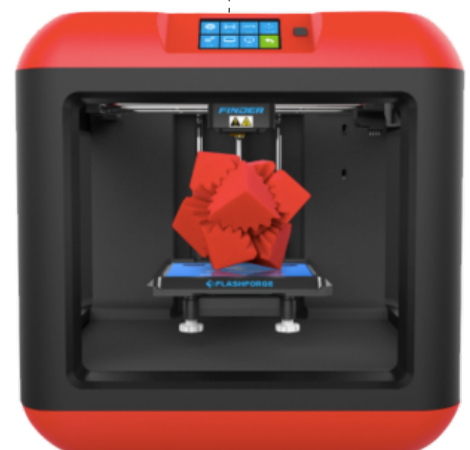
- ✓ Stationary Holder (Caddy) ~ R99

## **C** For SPORTS

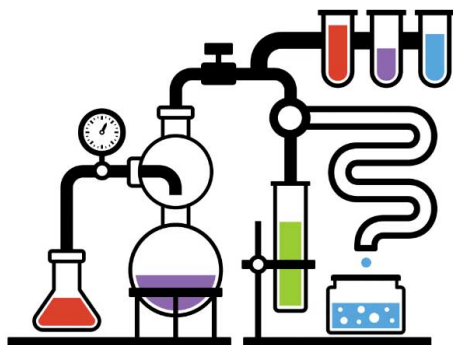
- ✓ Sport: Chess Pieces ~ R499
- ✓ Sport: Tennis Racket ~ R599
- ✓ Sport: Hockey Stick ~ R699

### Learning Outcomes:

*Real-world practical solutions*



( 3D Printer )



## Robotics Laboratory



Learning

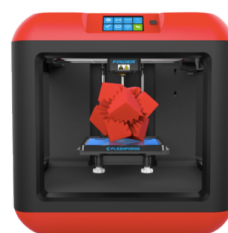
Education



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Practicals



Employability

enhancing learner engagement and knowledge retention

## Spaza School

e-Commerce



Culture



Entrepreneurship

3

E ducation

E mployability

E ntreprenurship



basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA



<https://www.ecubed-dbe.org/>

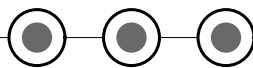
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LA RSKOOL  
AKASIA

# Robotics for Kiddies

Coding and Robotics that guarantee the two E's  
( Employability and Entrepreneurship )

Edition: 2nd Edition



**4IR**

**AI**

Grade: R - 12



SDG #4

Insuring inclusive and equitable quality education and promoting lifelong  
earning opportunities for all



Mangalani Publishing



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