

North West Schools of Skills

Reflections on the Implementation of Integrated Project

Ms C Mostert

Background



CAPS: TECHNICAL OCCUPATIONAL Academic Subjects (70 and 30)

- Home Languages (Afrikaans or English)
- First Additional Language (Afrikaans or English)
- Mathematics
- Life Skills:
 - Natural Science
 - Personal Social Wellbeing
 - Creative Art
 - Physical Education
- Information and Communication Technology (ICT)
- Reading Laboratory

CAPS: TECHNICAL VOCATIONAL 75 practical / 25

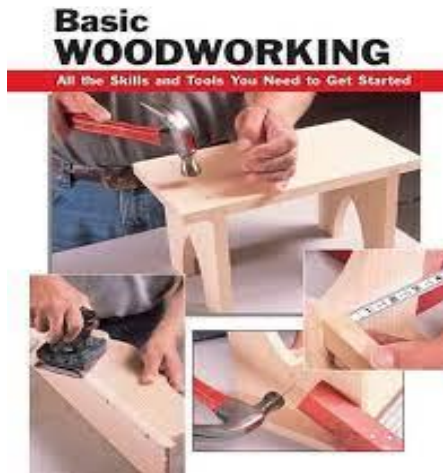
Group 1

- Woodwork
- Welding
- Pannel Beating and Spray Painting
- Motor Mechanics
- Maintenance Civil
- Maintenance Mechanical

Group 2

- Early Childhood Development
- Consumer Studies: Food Production
- Home Based Care
- Beauty and Nail Technology

CAPS: Group 1 TECHNICAL VOCATIONAL/ (Skills)





2023 Implementation

NORTH WEST

GEC Integrated Project



What we did ?

- After going through the mainstream Integrated Project
- We adapted the projects into two projects
- Academic –Project 1 and Skills -Project 2

How?

- Established subject groups/cluster) with representatives from all 5 SoS in NW.
- The aim was to come up with a common Integrated Projects for the PED
- Common project could only be developed in academic subjects (LO Anchor-Academic subjects) for all schools
- Each school had to developed its own skills project due the difference in content coverage
- Integration was per group per school as follows:
 - **Group 1** - Welding, Motor Mechanics and Maintenance Civil, Maintenance Mechanical,
 - **Group 2** - ECD, Food Production, Home Based Care, Beauty- Nail Tech, Needle work, Hairdressing

Question 2

Example of Academic Subjects - Project

Amy loves clothes and fashion and dreams of becoming a fashion designer one day. On the road to fulfilling her dreams, she started working at a small clothing shop. Amy has a little problem.

- She loves to read. She often gets so caught up in her book that she does not notice when clients enter the store.
- Amy wants to build a small door alarm that sounds a buzzer and indicates, by means of a LED light, when clients enter.
- She does not have a lot of money and needs to know exactly how much it will cost her to build it herself.
- Use your mathematical knowledge to help Amy with this. (4)

- Below is a table that shows the prices of the tools and equipment she bought from a hardware store.
- In the second last column the total quantity of each item required is indicated.

In the last column the total cost of each item is indicated.

Tools / Equipment	Price per item (excl. VAT)	Quantity required	Total cost
Glue Gun	R 725.00	1	R 725.00
Pack of 48 Glue sticks	R 165.00	24 sticks	1.
1 Battery	R 26.00	4	R104.00
Battery holder	R12.88	2	R25,76
LED lights (pack of 10)	R 199.00	25	2.
Buzzer	R13.23	2	R26.46
Connecting wire per meter	R2.60	20½	3.
Resistor	R7.62	1	R7.62
Paint per litre	R159.00	3	R477.00
TOTAL (excl. VAT)			R 1 999.14

A Calculate the missing values. Write the missing values of number 1,2 & 3 underneath. (3)

1. _____
2. _____
3. _____

B How much VAT, at 15% must be paid in total? (1)



Question 4

Amy needs to do stock control of all the material in the shop. She decides to use a **Bar graph** indicating the available stock in the shop. **(6)**

Use the given information and draw a **Bar graph** showing the **different colours of material and the amount of stock** in meters.

Colour of material	Blue	Green	Yellow	Pink	Brown
Meters	3	7	11	5	6

Your bar graph must have:

- a label on the side (y-axis) – Amount in Meters
- a label at the bottom (x-axis)
- labelled columns

columns drawn correctly according to given information



YEAR 4 TECHNICAL OCCUPATIONAL INTEGRATED PROJECT

TO **Assessment Rubric WORKSHEET 3**

QUESTION 2					
Correct answer to missing values 1 – 4 (1 mark each)					/4
SUB TOTAL					/4
QUESTION 3					
Correct answer to missing values a - d (1 mark each)					/4
Correct recommendation is made					/1
SUB TOTAL					/5
QUESTION 4					
Y-axis labelled					0 1
Y-axis labelled					0 1
Blue, Green and Yellow columns are drawn correctly to the exact meters	0	1	2	3	
Colours columns are labelled in the exact order as given in the question					0 1
SUB TOTAL					/6
QUESTION 6					
Named 3 components correctly	0	1	2	3	
Drawn 3 symbols correctly	0	1	2	3	
SUB TOTAL					/6
QUESTION 8 Criteria checklist: Skills in drawing a circuit using the correct symbols and components.					
The circuit is correctly drawn in parallel					0 1
Drawn 4 symbols correctly	0	1	2	3	4
SUB TOTAL					/5
QUESTION 9					
Circuit is drawn correctly in series with all 4 components					0 1
SUB TOTAL					/1
TOTAL					/27

Use the career you selected. Use the space below to plan and write a draft report on your research.
List your references and sources.

This research must be conducted in the ICT classroom.

Type your answers in the open spaces on the document below.

1. TITLE (Career Choice)
2. TARGET MARKET / CUSTOMERS
3. CAREER REQUIREMENTS
3.1 Education and Training needed
3.2 Licensing, Certification and Registration needed
3.3 Physical Fitness needed
3.4 Skills required

4. CHALLENGES IN THE 21ST CENTURY

4.1 Advanced technology challenges

5. POSSIBLE SAFETY HAZARDS

5.1

5.2

5.3

5.4

6. CONCLUSION (motivate career choice)

6.1

6.2

6.3

--

Worksheet 9 – MY FUTURE CAREER, BUSINESS IDEAS and CREATIVITY



You are required to complete the following assignment in the ICT.

- Use Microsoft PowerPoint to showcase your **Dream Career**.
- The goal of this project is to increase career awareness amongst Year 4 learners.
- In many instances Year 4 learners simply fail to plan for their future.
- Your presentation should include the following number of slides with the prescribed information underneath:

- 1 Reason why you present this PowerPoint to Year 4 learners
- 2 Title of Career
- 3 Positive factors of this career and industry needs
- 4 Education & Training needed
- 5 Licensing, Certification & Registration required
- 6 Physical Fitness
- 7 Skills required for career
- 8 Possible safety hazards
- 9 How to overcome these safety hazards
- 10 Motivate learners to do their own research on possible careers
- 11 Use at least 8 relevant pictures to inspire
12. Animations must be used, but not more than 20 times.

TITLE:

8 PICTURES
BE CREATIVE

Best Practises

- Common Integrated Project is possible in Project 1-Academic
- In Project 2-due to the different content coverage and approaches –its best to develop the integrated project per school.