

WEEK ENDING.....23/09/2022.....

SUBJECT...PRE-TECHNICAL SKILLS

REFERENCE...SYLLABUS(CRDD,2007), PRE-TECH FOR JHS

FORM.....BASIC 8.....WEEK.....2.....

<u>DAY/DURATION</u>	<u>TOPIC/SUB-TOPIC/ASPECT</u>	<u>OBJECTIVES/R.P.K</u>	<u>TEACHER-LEARNER ACTIVITIES</u>	<u>T/L MATERIALS</u>	<u>CORE POINTS</u>	<u>EVALUATION AND REMARKS</u>
TUESDAY 20-09-2022 1:20PM – 2:40PM 80min	Topic; Development of Pyramids Sub-Topic; Principles of Surface Development of Pyramids	<p>By the end of the lesson the Pupil will be able to;</p> <p>explain the principles of surface development of pyramid.</p> <p>RPK Pupils were taught Pyramid as a shape in Basic 7.</p>	<p>Introduction Discuss the meaning of a Pyramid with the Pupil.</p> <p>Activities;</p> <ol style="list-style-type: none"> 1. Show Pupils pictures of various types of Pyramid. 2. Demonstrate how to draw the various types of Pyramid. 3. Pupils individually to practice drawing a surface development of the various type of Pyramid 	<p>Mathematical set, drawing board, Pictures, shapes.</p>	<p>Methods of development of surfaces are:</p> <ul style="list-style-type: none"> • ➤ Parallel line development. • ➤ Radial line development. • ➤ Triangulation development. • ➤ Approximate development. <p>Principle of Development: Every line on the development should show the true length of the corresponding line on the surface which is developed</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">Methods used to develop surfaces</p> <ol style="list-style-type: none"> 1. Parallel-line development: Used for prisms, cylinders etc. in which parallel lines are drawn along the surface and transferred to the development. 2. Radial-line development: Used for pyramids, cones etc. in which the true length of the slant edge or generator is used as radius. 3. Triangulation development: Complex shapes are divided into a number of triangles and transferred into the development (usually used for transition pieces). 4. Approximate method: Surface is divided into parts and developed. Used for surfaces such as spheres, paraboloids, ellipsoids etc. <p><small>Note:- The surface is preferably cut at the location where the edge will be smallest such that welding or other joining procedures will be minimal.</small></p> </div>	<p>Exercise; 1.State and explain the principle of surface development of the various types of Pyramids.</p> <p>2. Draw the following types of Pyramids; i. Square Pyramid ii. Triangular Pyramid</p>

Closure;
Through questions
and answers,
conclude the lesson.

THURSDAY
22-09-2022

8:05AM – 9:15AM
70min

Topic;

**Development of
Pyramids**

Sub-Topic;

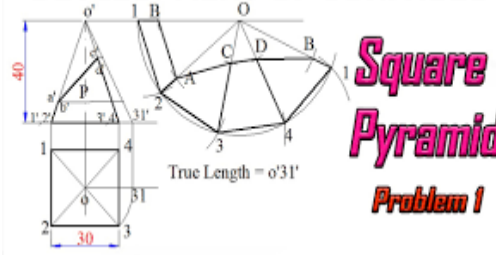
**Drawing the
Surface
Development of
Pyramid.**

Objective
By the end of the
lesson the Pupil will be
able to;

Objective;
By the end of the
lesson the Pupil will be
able to;

draw the surface
development
of pyramid.
RPk
Pupils can draw a
pyramid shape.

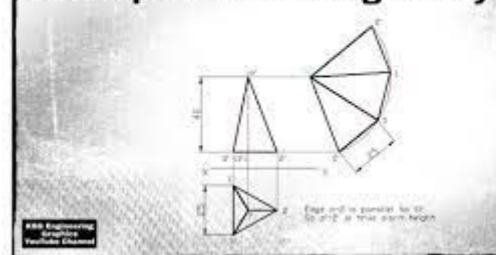
DEVELOPMENT OF SURFACES



Square
Pyramid
Problem 1

Square Pyramid

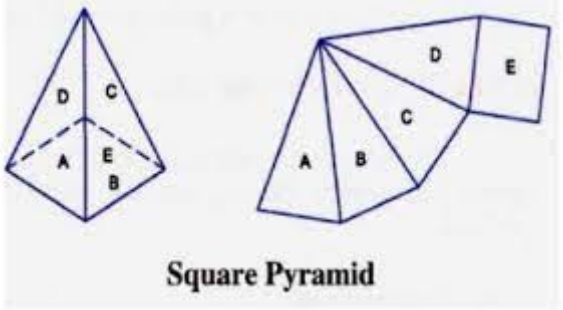
Development of Triangular Pyramid



Triangular Pyramid

Exercise;
Draw the
surface
development of
the various
types of
Pyramids.

REMARKS



Square Pyramid

Square Pyramid