PENANG SANGAM HIGH SCHOOL

P.O.BOX 44, RAKIRAKI

WEEK 16 WORKSHEET

Subject: Technical Drawing **Year/Level:** 12

Strand	**TD 12.3 APPLIED DRAWING**
Sub Strand	TD 12.3.2 ARCHITECTURAL DRAWING
Content Learning Outcome	TD 12.3.2.2 Identify and construct the different engineering components, hardware & assembled drawings.

LESSON NOTES

ENGINEERING DRAWING

OUTCOME

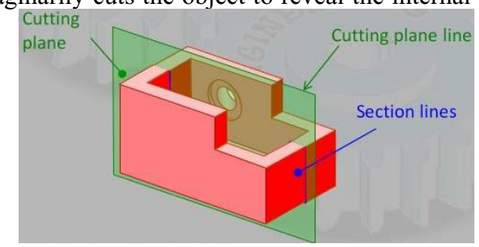
By the end of this topic, students will:

a) Discuss the different methods of sectioning.
b) Construct the sectional views of engineering assembled drawings in half and/or full sections.

INTRODUCTION

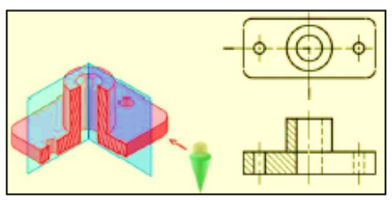
Cutting Plane

Cutting plane is a plane that imaginarily cuts the object to reveal the internal features.



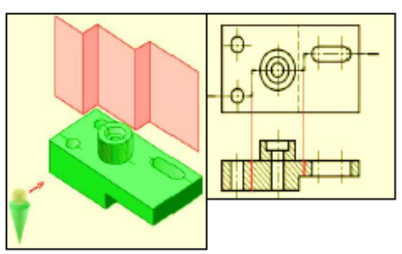
Half Section

The view is made by passing the cutting plane ***halfway*** through an object and removes a ***quarter*** of it.



Offset Section View

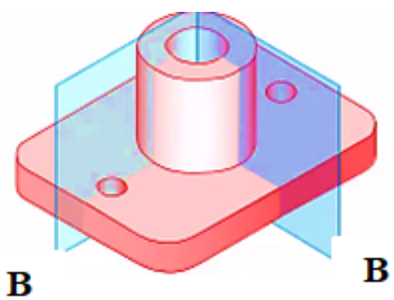
The view is made by passing the ***blended*** cutting plane ***completely through*** the part.

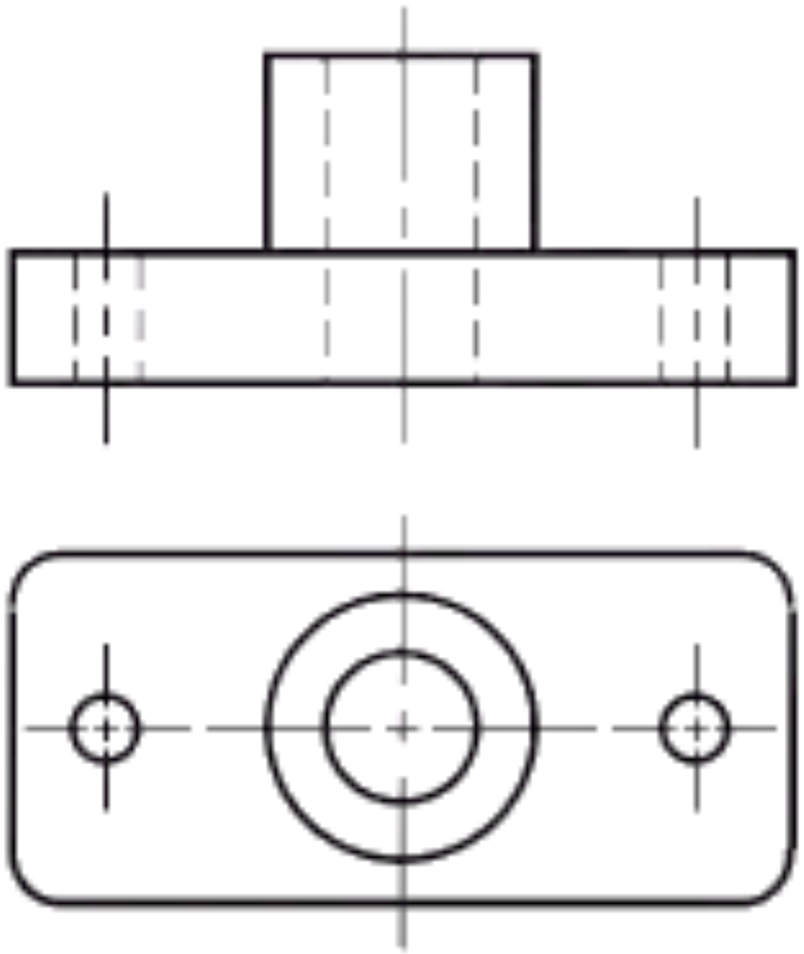


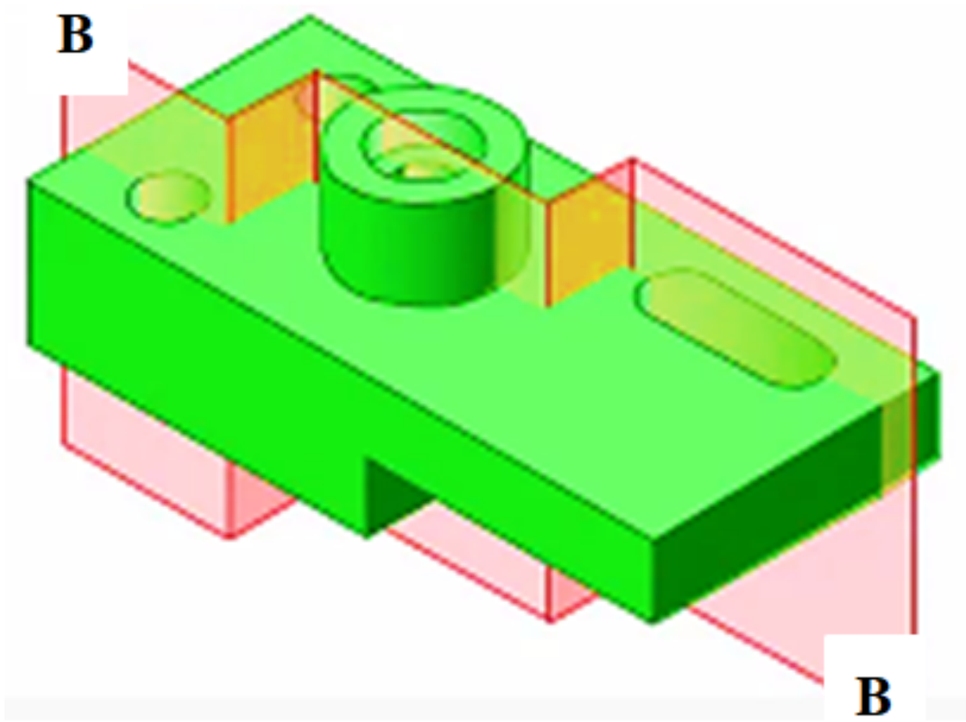
STUDENT ACTIVITY

Given: The sketch, plan and the elevation of a shaped block drawn in first angle orthographic projection and the cutting plane line **B-B**

Required: Draw the sectional front elevation and plan B-B

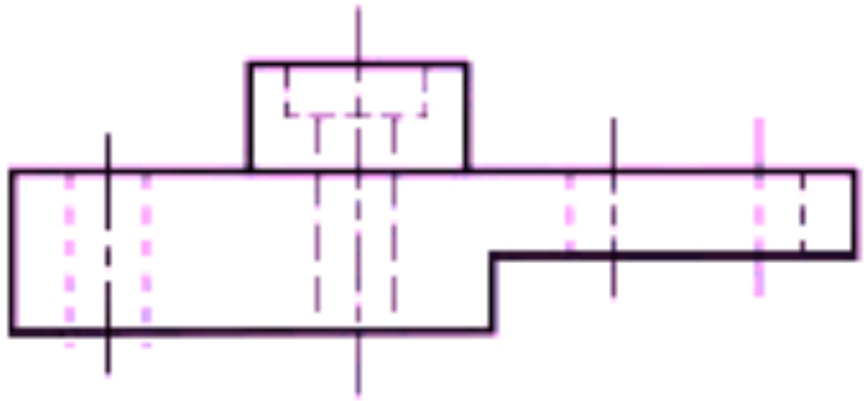


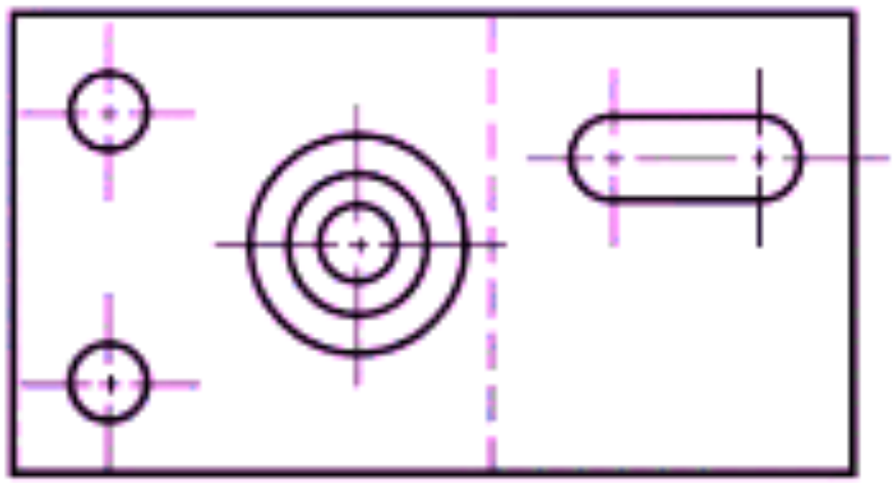




Given: The sketch, plan and the elevation of a shaped block drawn in first angle orthographic projection and the cutting plane line **B-B**

Required: Draw the sectional front elevation and plan B-B





THE END