

FIRST TERM

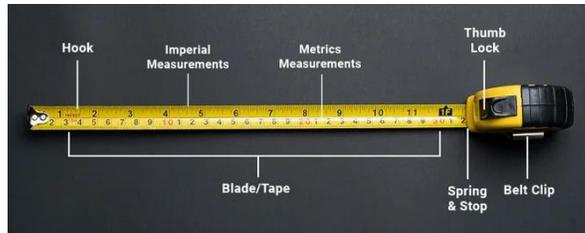
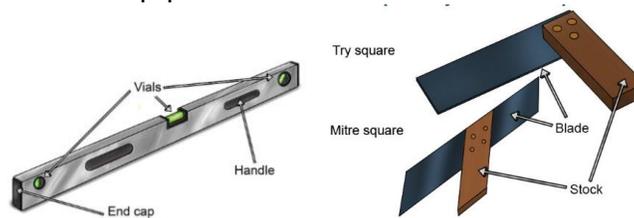
WEEKLY LESSON NOTES

WEEK 8

Week Ending: 03-03-2023	Day:	Subject: Career Technology	
Duration: 60MINS		Strand: Tools, Equipment And Processes	
Class: B8	Class Size:	Sub Strand: Measuring And Marking Out	
Content Standard: B8.3.1.1 Demonstrate understanding of measuring and marking out tools and equipment for production		Indicator: B8.3.1.1.1: Identify tools and equipment for measuring and marking out	Lesson: 1 of 2
Performance Indicator: Learners can identify tools and equipment for measuring and marking out		Core Competencies: CP 6.5: CI 5.4: CI 5.2: CI 6.10:	
Reference: Career Technology Curriculum Pg. 51			
Phase/Duration	Learners Activities	Resources	
PHASE 1: STARTER	Recap with learners to find out what they already know about plastic, wood, metal, ceramics and glass. Share the performance indicators and introduce the lesson.		
PHASE 2: NEW LEARNING	Brainstorm learners for the need of using measuring and marking tools. <i>Measuring and marking out tools are essential in masonry to ensure accurate and precise cuts, angles, and dimensions.</i> Guide learners to identify the uses of some measuring and marking tools in masonry. 1. Tape Measure - <i>Used to measure the length, width, and height of the masonry workpiece. A 25-foot tape measure is the most commonly used length.</i> 2. Spirit Level - <i>Used to check whether a surface is level or plumb. It is a small level with a bubble that needs to be centered between two lines.</i> 3. Squares - <i>Used to mark right angles and ensure that corners are square. They come in various sizes and are made from metal or plastic.</i> 4. Chalk Line - <i>Used to create a straight line on the masonry workpiece. It is a reel with a string coated in chalk powder that can be snapped to create a straight line.</i> 5. Mason's Line - <i>Used to mark out long straight lines for laying courses. It is a taut string attached to two stakes and is used as a guide for laying bricks or blocks.</i> 6. Bevel - <i>Used to measure and transfer angles onto the masonry workpiece. It is a small adjustable tool with a handle and a blade that can be set at any angle.</i> 7. Compass - <i>Used to mark circles or arcs on the masonry workpiece. It is a device with two arms that can be adjusted to a specific radius.</i>		

Guide learners to describe the procedure for measuring and marking out artefacts/articles/products in the Building site

Sketch and label parts of some measuring and marking out tools and equipment.



Present the sketched tools and equipment for appraisal in class.

Assessment

1. Explain the role of measuring and marking out tools in masonry. Why are they important for ensuring accuracy and precision in masonry work?
2. Describe the different types of measuring and marking out tools used in masonry, including their purpose and features. How are they used in practice?
3. Draw and label the parts of any three measuring and marking out tools in masonry.

PHASE 3: REFLECTION

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

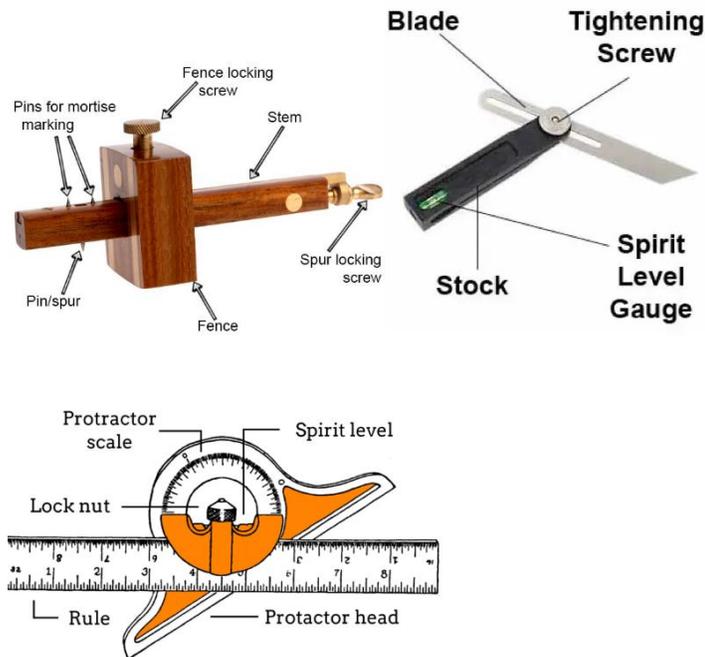
Take feedback from learners and summarize the lesson.

Ask learners how the lesson will benefit them in their daily lives.

Week Ending: 03-03-2023	Day:	Subject: Career Technology
Duration: 60MINS		Strand: Tools, Equipment And Processes
Class: B8	Class Size:	Sub Strand: Measuring And Marking Out
Content Standard: B8.3.1.1 Demonstrate understanding of measuring and marking out tools and equipment for production		Indicator: B8.3.1.1.1: Identify tools and equipment for measuring and marking out
		Lesson: 2 of 2
Performance Indicator: Learners can identify tools and equipment for measuring and marking out		Core Competencies: CP 6.5: CI 5.4: CI 5.2: CI 6.10:
Reference: Career Technology Curriculum Pg. 51		
Phase/Duration	Learners Activities	Resources
PHASE 1: STARTER	Recap with learners to find out what they already know about plastic, wood, metal, ceramics and glass. Share the performance indicators and introduce the lesson.	
PHASE 2: NEW LEARNING	Brainstorm learners for the need of using measuring and marking tools. <i>Measuring and marking out tools are essential in masonry to ensure accurate and precise cuts, angles, and dimensions.</i> Guide learners to identify the uses of some measuring and marking tools in the wood workshop. 1. Tape Measure - <i>Used to measure the length, width, and height of the wood workpiece. A 25-foot tape measure is the most commonly used length.</i> 2. Combination Square - <i>Used to check whether a surface is square, level, or plumb, and also to mark lines at right angles to an edge. It has a ruler and a moveable head that can be adjusted to different angles.</i> 3. Marking Gauge - <i>Used to mark lines parallel to an edge or a face of the wood workpiece. It has a fence that can be adjusted to a specific distance from the cutter, and a beam with a cutter at the end.</i> 4. Sliding Bevel - <i>Used to transfer angles onto the wood workpiece. It has a handle and a blade that can be set at any angle.</i> 5. Try Square - <i>Used to check whether a surface is square, level, or plumb. It is a small square with a handle and a blade set at a right angle.</i> 6. Mortise Gauge - <i>Used to mark out mortise and tenon joints. It has two cutters and two beams that can be adjusted to different distances.</i> 7. Dividers - <i>Used to mark out equal distances along a line or to scribe circles or arcs on the wood workpiece. They have two points that can be adjusted to different distances.</i>	

Guide learners to describe the procedure for measuring and marking out artefacts/articles/products in the Building site

Sketch and label parts of some measuring and marking out tools and equipment.



Present the sketched tools and equipment for appraisal in class.

Assessment

1. Explain the importance of measuring and marking out tools in a wood workshop. How do these tools contribute to the accuracy and precision of the finished product?
2. Describe the different types of measuring and marking out tools used in a wood workshop, including their purpose and features. How are they used in practice, and what are some common mistakes to avoid when using these tools?
3. Draw and label the parts of any three measuring and marking out tools in the wood workshop.

**PHASE 3:
REFLECTION**

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Take feedback from learners and summarize the lesson.

Ask learners how the lesson will benefit them in their daily lives.