**Lesson plan maths 7**

📘 Mathematics Lesson Plan

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🟦 1. General Information

School Name: [Your School Name]

Teacher's Name: [Your Name]

Class/Grade: 7

Subject: Mathematics

Topic: Types of Angles (Acute, Right, Obtuse, Straight, Reflex, Full Angle)

Date: [Date]

Duration: 40 minutes

No. of Students: [Number]

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🟨 2. Instructional Objectives

By the end of the lesson, students will be able to:

Define what an angle is.

Identify and classify different types of angles.

Measure angles using a protractor.

Apply angle types to real-life objects.

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🟩 3. Teaching Aids / Materials Required

Whiteboard and markers

Protractor

Charts of angles

Flashcards with real-life objects (clock, triangle, scissor, door)

Geometry box

PPT/Video (optional)

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🟧 4. Prerequisite Knowledge

Students should already:

Understand basic shapes

Know what a point, line, and line segment are

Be familiar with measurement in degrees

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🟥 5. Lesson Introduction (Set Induction)

Activity:

Ask students to observe the clock on the wall and identify the shape made by the hands at 3 o'clock, 10 o'clock, etc.

Question: “What do you think we call such shapes made by two rays joining at a point?”

👉 Leads into the topic: Angles and their types

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🟦 6. Presentation / Teaching-Learning Process

Step Teacher Activity Student Activity Teaching Aids

Introduction Writes definition of angle and explains components (arms, vertex) Listen and observe Board, chart

Explanation Introduces types of angles with drawings Take notes, ask questions Charts, drawings

Demonstration Measures angles using protractor Practice along Protractors

Real-Life Examples Shows flashcards (door opening = right angle, clock = acute, etc.) Identify and respond Flashcards

Class Activity Gives small worksheet to identify angles Solve in pairs/groups Worksheet

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🟨 7. Assessment / Evaluation

Ask:

What angle is formed when a door is half open?

Which type of angle is 130°?

Identify the angle in a triangle and classify it.

Quick Quiz: 5 multiple-choice questions on angle types.

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🟩 8. Recapitulation / Summary

Review all angle types with chart:

Acute: < 90°

Right: = 90°

Obtuse: > 90° and < 180°

Straight: = 180°

Reflex: > 180° and < 360°

Full Rotation: = 360°

Ask students to give one example each from their surroundings.

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🟧 9. Homework

Draw and label 6 types of angles in your notebook.

Find 3 real-life examples of each angle type (can be drawn or pasted as pictures).

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🟥 10. Follow-up / Remedial Measures

For students needing help: Give additional practice using protractors.

For advanced learners: Introduce concept of adjacent and complementary angles in the next class.