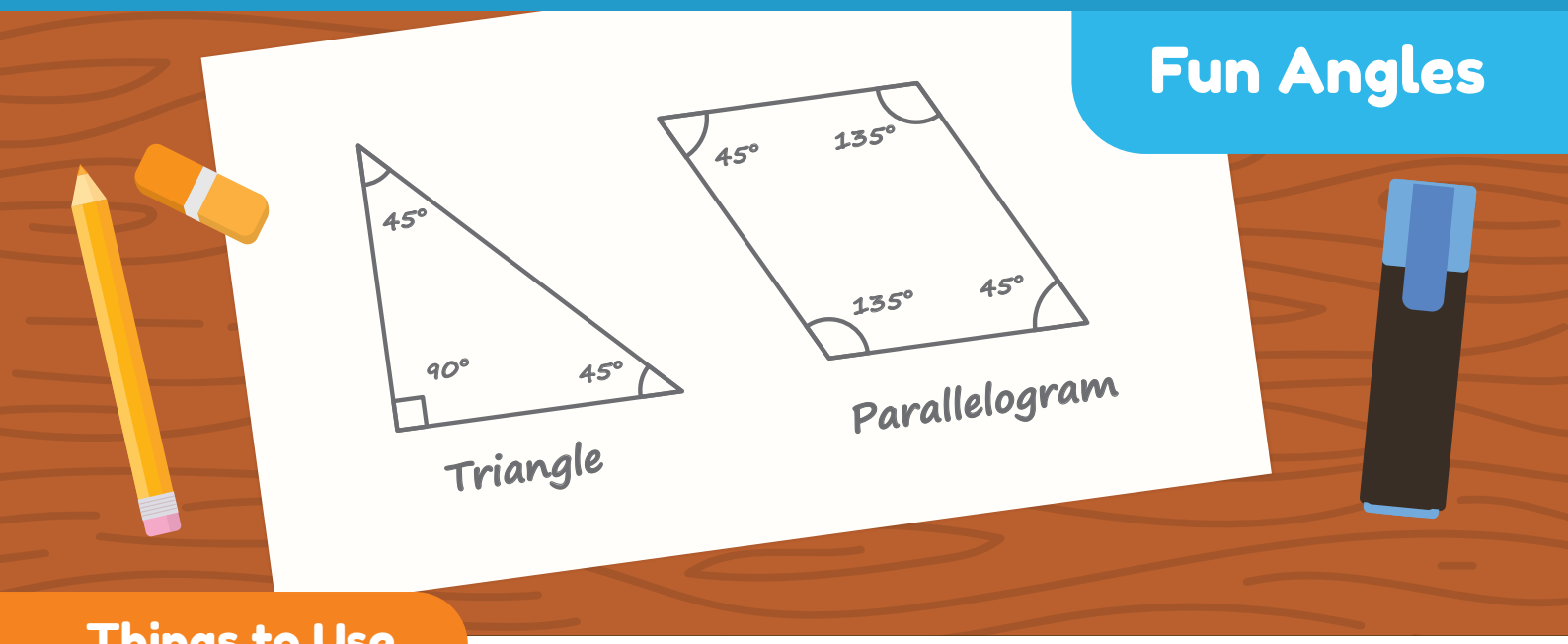
Activity Sheet

Fun Angles



Things to Use

Wizbot

Plain Paper

Brush Pens

Coding Cards

Pencil and Notebook

Exercise

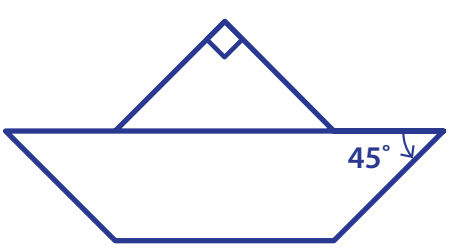
Let's draw!

A. Code Wizbot to draw 45° angle from button combinations. You can draw two lines and show the angle between the two lines. Use a protractor to check if the angle between the two lines is exactly 45°.

B. Code the Wizbot to draw a parallelogram with a 45° turn.

C. Code the Wizbot to draw a right angle triangle.

Can you make different patterns using different shapes and angles?

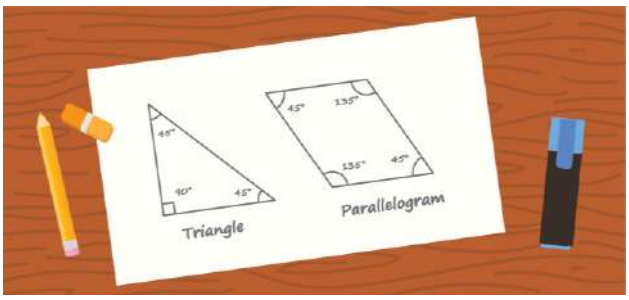


Teacher's Handbook

Learning Objectives

1. Students will be able to measure angles.
2. Students will be able to draw different shapes of different angles using the Wizbot.

Introductory Image



Things to Use

Wizbot

Brush Pens

Drawing Sheets

Notebook and Pencil
(Not Included)

Instructions

Step 1: Prepare
Step 2: Demonstrate

Explain:

Angles are shapes formed by two lines that meet at a common point. Imagine opening a book; the space between the two pages forms an angle. Angles are measured in degrees, and there are different types:

- Right angle (90 degree)
- Obtuse angle (More than right angle)
- Acute angle (Less than right angle)

Step 3: Engage: When done have students share their answers in their groups.

Exercise

(Duration: 25 mins)

Instructions:

Let's draw!

Switch Wizbot to Draw mode. Attach brush pen.

A. Code Wizbot to draw 45° angle from button combinations. Use a protractor to check if the angle between the two lines is exactly 45°.

Code:

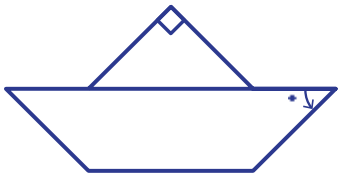
B. Code the Wizbot to draw a parallelogram with a 45° turn.

Code:

C. Code the Wizbot to draw a right-angle triangle.

Code:

D. Can you make different patterns using different shapes and angles?



Code:

Press 'Forward' and 'Right' together to turn Wizbot 45° right  and 'Forward' and 'Left'  together to turn Wizbot left.