

## Chapter 11 : From Straight Lines To Spins

### Curricular Goal :

CG-2: Explores the physical world around them in scientific and mathematical terms.

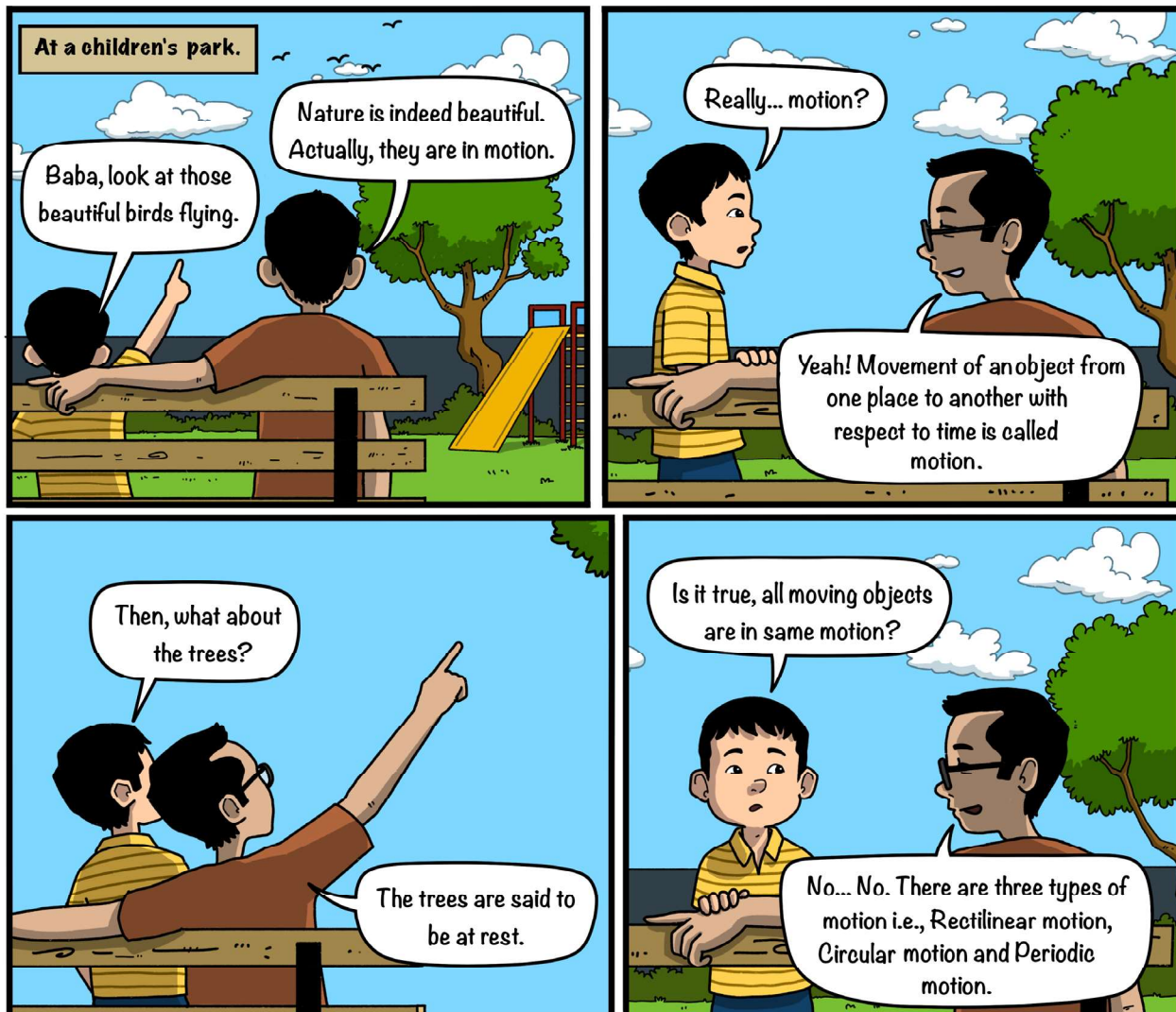
### Competencies :

C-2.1: Describe one-dimensional motion using physical quantities through mathematical and diagrammatic representations.

### Learning Outcomes :

1. Identify different types of one-dimensional motion.
2. Describe different types of motion with a diagram.

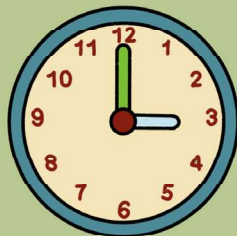
## STORY 11 : FROM STRAIGHT LINES TO SPINS



### Types of Motion



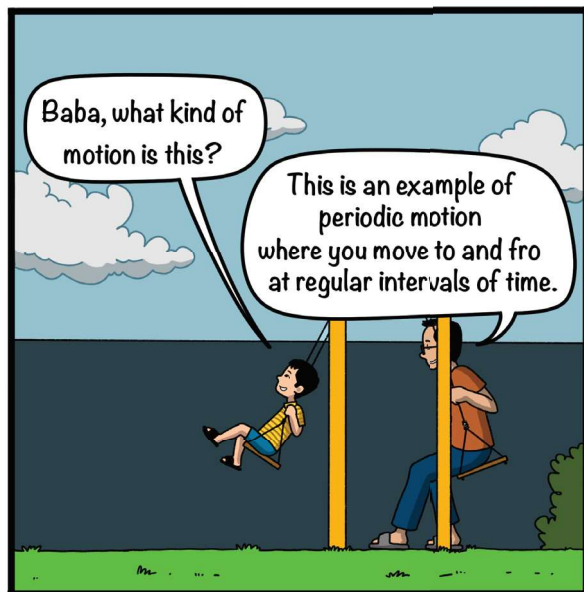
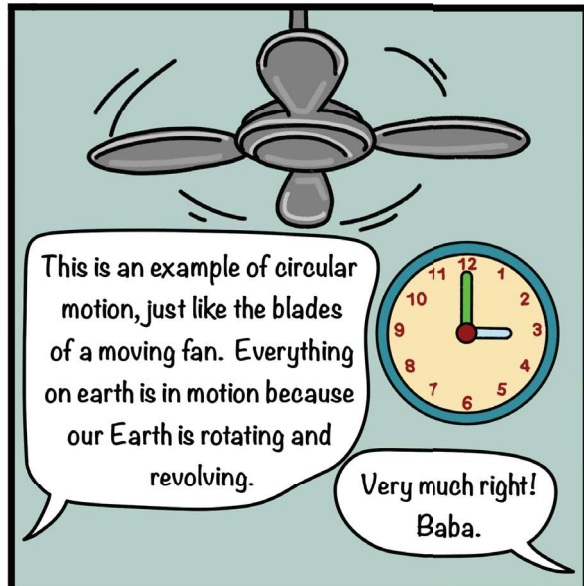
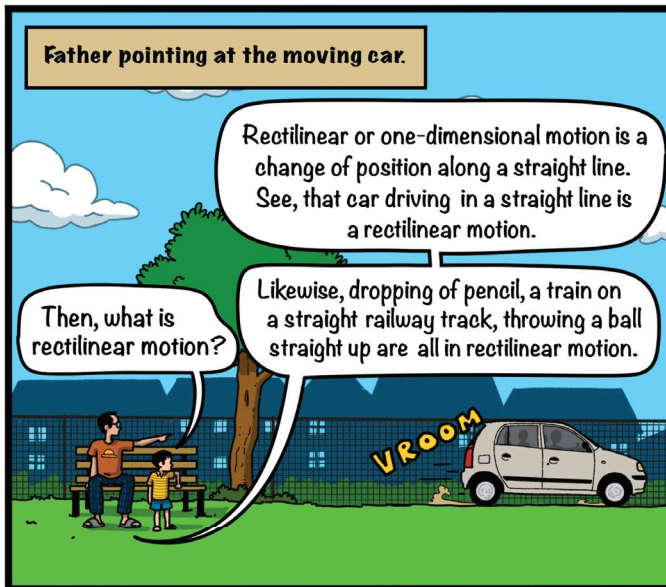
Rectilinear motion.

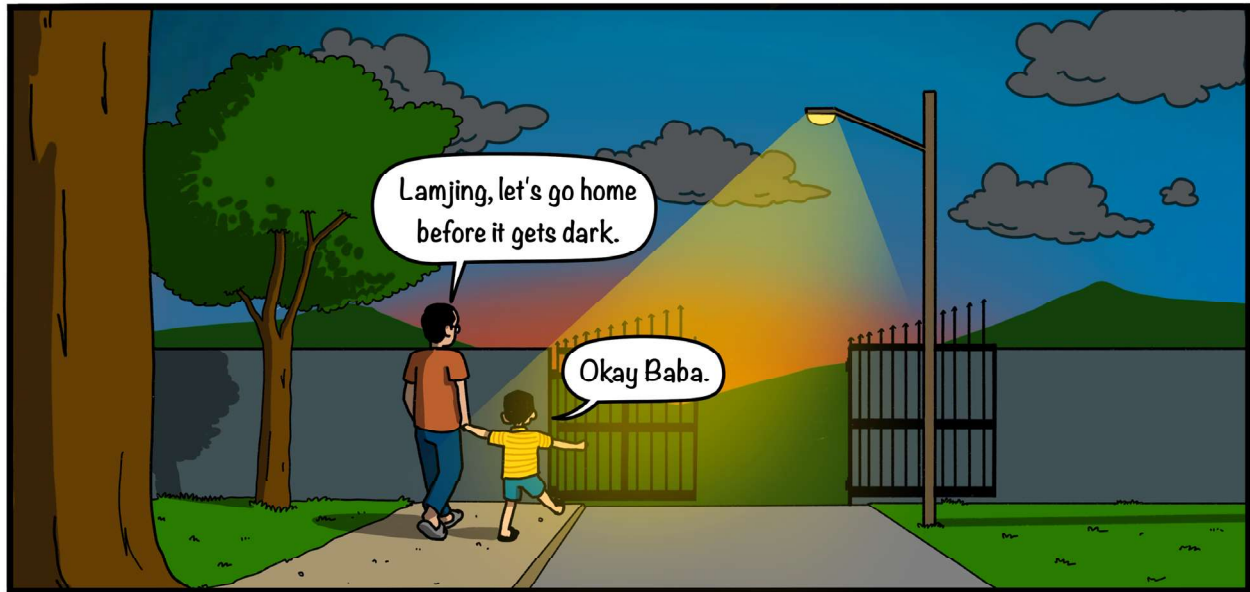


Circular motion.



Periodic motion.





**ACTIVITY:**

**1. Name the types of motion in the following cases:**

- a) Movement of wheels of a moving bicycle
- b) Movement of pendulum of a wall clock
- c) A book falling off a table
- d) Water flowing from a tap
- e) A stone that is tied to a rope and being swung in circle
- f) A rocking chair