## To be able to describe linear movements and turns on a grid

Success criteria:
$\checkmark$ I can use my knowledge of movements on a grid and part and full turns to describe linear movements and turns on a grid
$\checkmark$ I can explain my reasoning when using my knowledge of movements on a grid and part and full turns to describe linear movements and turns on a grid

[^0]
## To be able to describe linear movements and turns on a grid

Activity 1:
Draw a four space by four space grid.
Partner 1 has a toy (like the dinosaur).
Partner 2 gives instructions like:

- "Move the toy on the grid right by two spaces, then turn it clockwise by a quarter turn, then move it down the grid three spaces."
(Repeat with children acting as the object on a four by four grid drawn in the playground.)


To be able to describe linear movements and turns
on a grid
Talking Time:
Complete the sentences below to describe Captain Redbeard's route back to the pirate ship.

Redbeard needs to move along the grid two spaces, make a quarter turn
, then move the grid one space.


To be able to describe linear movements and turns
on a grid
Talking Time:
Complete the sentences below to describe Captain Redbeard's route back to the pirate ship.

Redbeard needs to move right along the grid two spaces, make a quarter turn anticlockwise, then move up the grid one space.


## To be able to describe linear movements and turns

on a grid

## Talking Time:

Complete the sentences below to describe Captain Redbeard's route back to the pirate ship.

## Redbeard needs to move

 the grid two spaces,make a quarter turn $\qquad$ , then move ___ on the grid three spaces.


To be able to describe linear movements and turns
on a grid

## Talking Time:

Complete the sentences below to describe Captain Redbeard's route back to the pirate ship.

Redbeard needs to move
down the grid two spaces, make a quarter turn anticlockwise, then move right on the grid three spaces.


## To be able to describe linear movements and turns on a grid

Activity 3 :
Draw arrows to represent the following directions:

- Move up the grid one space.
- Move right on the grid two spaces.
- Move up the grid two places.



## To be able to describe linear movements and turns

## on a grid

## Activity 3 :

Draw arrows to represent the following directions:

- Move up the grid one space.
- Move right on the grid two spaces.
- Move up the grid two places.


To be able to describe linear movements and turns on a grid

Talking Time:
Create instructions to help Captain Redbeard get to:
a) the treasure chest
b) the pirate ship
c) the gold lamp


## To be able to describe linear movements and turns

Talking Time:
Create instructions to help Captain Redbeard get to:
a) the treasure chest

Captain Redbeard should head along the grid right one space, then turn anticlockwise a quarter turn, then move up the grid two spaces.


## To be able to describe linear movements and turns

Talking Time:
Create instructions to help Captain Redbeard get to:
b) the pirate ship

Captain Redbeard should go forwards on the grid three spaces, make a quarter turn anti-clockwise, then move one space left on the grid.


## To be able to describe linear movements and turns

Talking Time:
Create instructions to help Captain Redbeard get to:
c) the gold lamp

Captain Redbeard should head two spaces right on the grid, make a quarter turn anti-clockwise then head up the grid one space.


To be able to describe linear movements and turns on a grid

Activity 4:
Create instructions to help Captain Redbeard get to:
a) the treasure chest
b) the pirate ship
c) the gold lamp


## To be able to describe linear movements and turns

## on a grid

Activity 4:
Create instructions to help Captain Redbeard get to:
a) the treasure chest

Captain Redbeard should head along the grid down two spaces, then turn anticlockwise a quarter turn, then move along the gird right by one space.


## To be able to describe linear movements and turns

## on a grid

Activity 4:
Create instructions to help Captain Redbeard get to:
b) the pirate ship

Captain Redbeard should head down on the grid three spaces, make a quarter turn clockwise, then move two spaces left on the grid.


To be able to describe linear movements and turns on a grid

Activity 4:
Create instructions to help Captain Redbeard get to:
c) the gold lamp

Captain Redbeard should head one space down on the grid, make a quarter turn clockwise then move left on the grid two spaces.


To be able to describe linear movements and turns on a grid


Do you agree with Astrobee's directions?
Provide a sketch to prove your answer.

To be able to describe linear movements and turns on a grid

Evaluation:

> If I make a quarter turn anti-clockwise, I will face a different direction than making a three-quarter turn clockwise.

quarter turn anti-clockwise<br>



No, I do not agree. If I stand and face the classroom door then turn a quarter clockwise or make a three-quarter turn anti-clockwise, I end facing in the same direction.

## To be able to describe linear movements and turns on a grid

Success criteria:
$\checkmark$ I can use my knowledge of movements on a grid and part and full turns to describe linear movements and turns on a grid
$\checkmark$ I can explain my reasoning when using my knowledge of movements on a grid and part and full turns to describe linear movements and turns on a grid

[^1]
[^0]:    Year 2 - Summer Block 1 - Position and Direction - Lesson 3 - To be able to describe linear movements an

[^1]:    Year 2 - Summer Block 1 - Position and Direction - Lesson 3 - To be able to describe linear movements an

