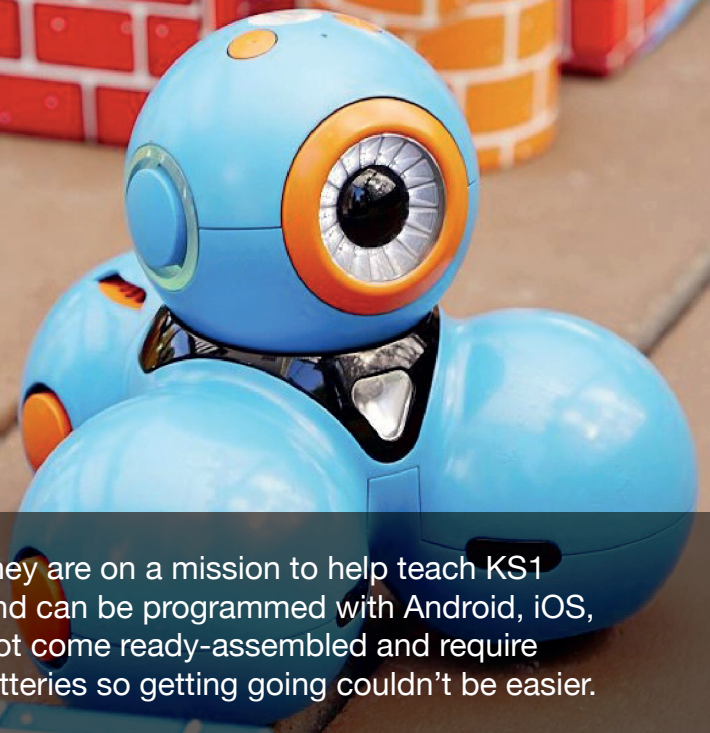


# WONDER LEAGUE

## MINI MISSIONS



Dash and Dot are the coolest, cutest robots around and they are on a mission to help teach KS1 and KS2 aged children. Both robots are feature-packed and can be programmed with Android, iOS, Kindle and Chromebook devices. Dash robot and Dot robot come ready-assembled and require almost no set up. They even have built-in rechargeable batteries so getting going couldn't be easier.


### TASK – MINI MISSION #1

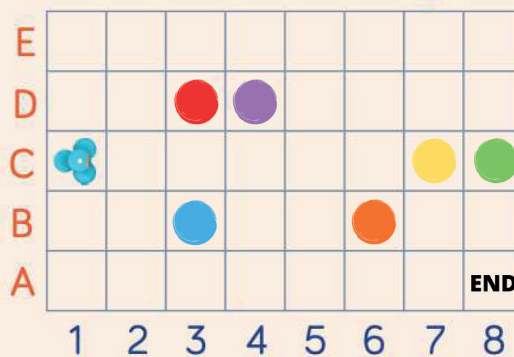
#### What you will need:

- A robot (Dash or Cue)
- Six individual cups
- Your device
- Your 150cm by 240cm grid mat with 30cm grid cells

#### Set up:

- Start Dash in C1
- Put 1 cup upside down in the corner of D3, D4, C7, C8, B3 and B6.

Dash's starting place:  C1



#### Directions:

- Program your robot to show off all the colours of the rainbow.
- As you travel to each cup, use the light blocks to showcase the colour that is in each square
- Have your robot finish in A8.

#### Take it further

- Can you program your robot to move all the cups into their own cells in column 8 in the rainbow sequence?

### TASK – MINI MISSION #2

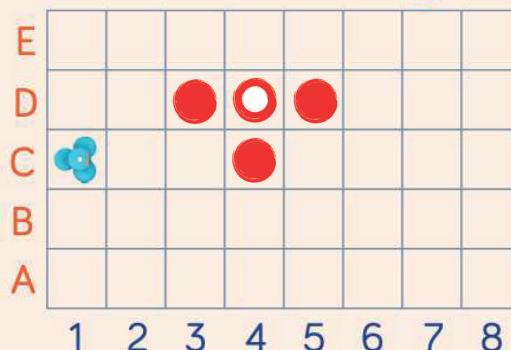
#### What you will need:

- A robot (Dash or Cue)
- Four individual cups
- Your device
- Your 150cm by 240cm grid mat with 30cm grid cells

#### Set up:

- Start Dash in C1
- Put 1 cup upside down in the center of D3, D4, D5 and C4.
- Put 1 ping pong ball on top of the upside down cup in D4.

Dash's starting place:  C1



#### Directions:

- Program Dash to move all four cups into their own individual cells in row E.
- Be sure not to knock over the ping pong ball on top of the upside down cup in D4.

#### Take it further

- Can you program your robot to move all the cups into their own cells in row E with only moving x cm total?
- How about x cm?