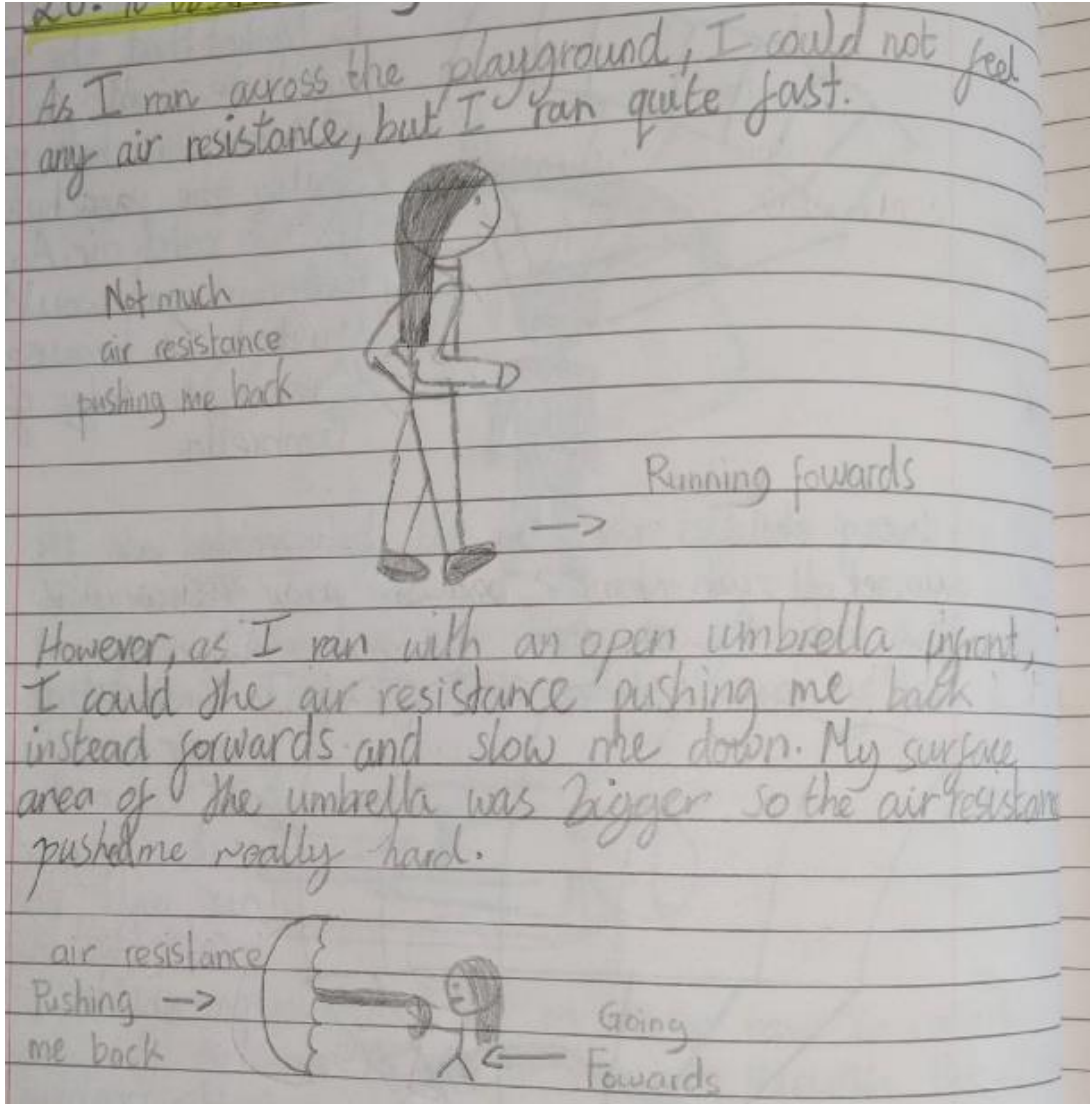


# Melissa – Work Sample 1

## Exploring air resistance

- identify the effects of air resistance, water resistance and friction, that act between moving surfaces

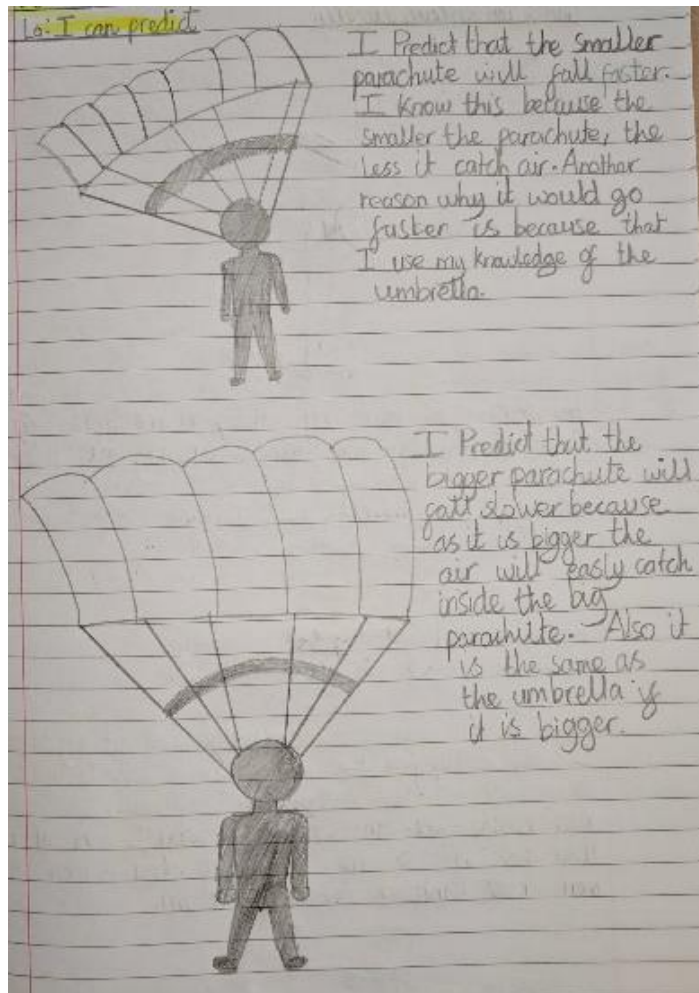


Outside, the children ran across the playground. They then repeated this with an open umbrella held in front of them to feel the effect of this. They discussed this back in the classroom and the teacher introduced the concept of air resistance.

# Melissa – Work Sample 2

## Making predictions about air resistance based on prior learning

- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object



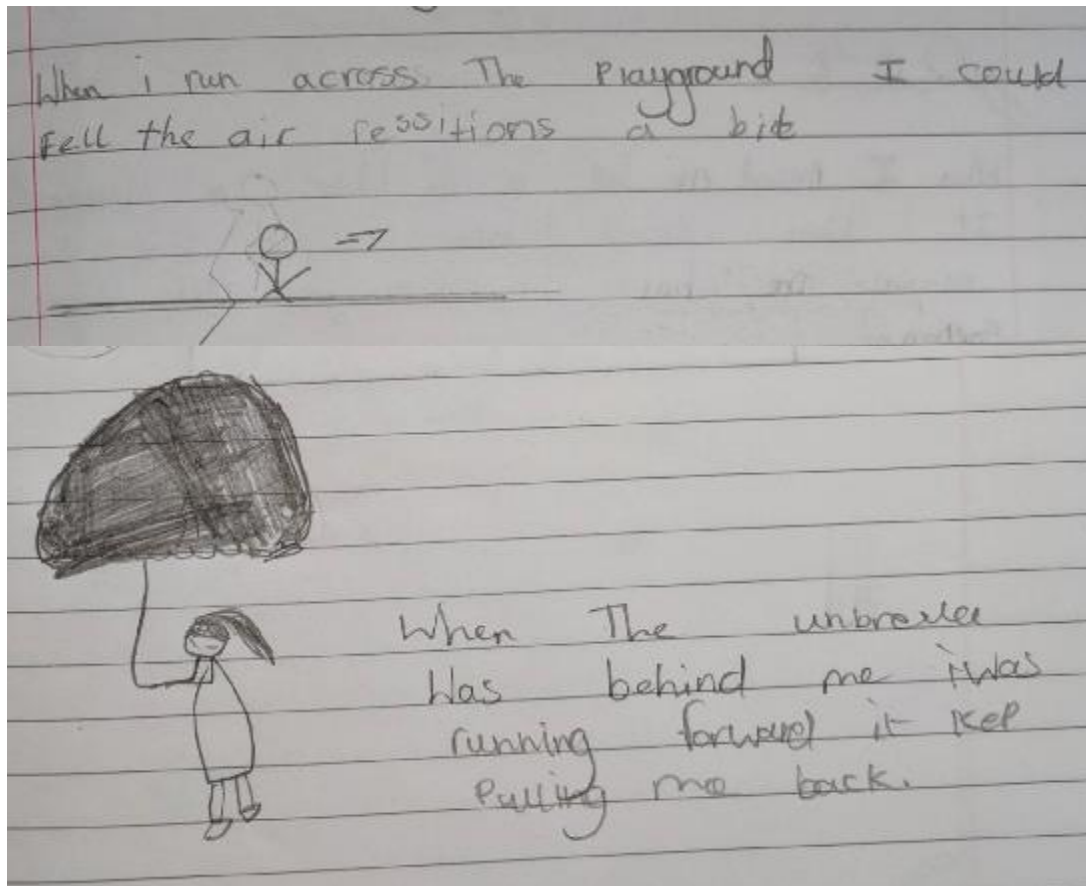
The teacher showed the children a video clip of a parachutist descending, and asked them to use their knowledge about air resistance to predict what would happen if the parachute was a different size.

Why does the parachutist fall down? Because gravity pulls him.

# Bracken – Work Sample 1

## Exploring air resistance

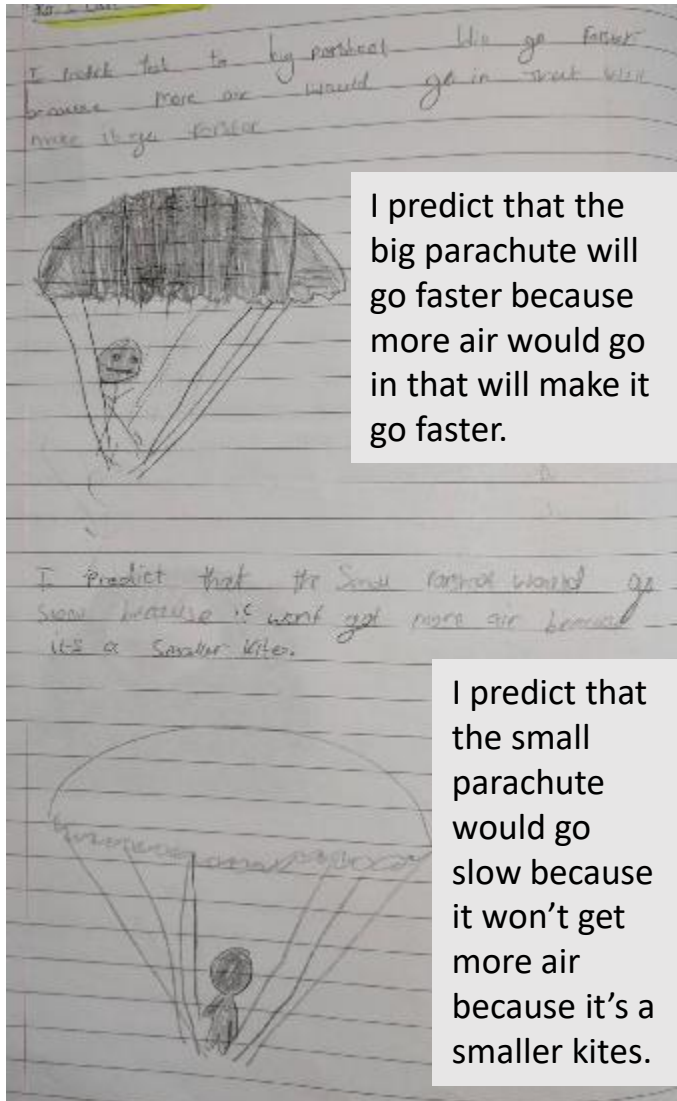
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces



Outside, the children ran across the playground. They then repeated this with an open umbrella held behind them to feel the effect of this. They discussed this back in the classroom and the teacher introduced the concept of air resistance.

## Making predictions about air resistance based on prior learning

- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object



I predict that the big parachute will go faster because more air would go in that will make it go faster.

I predict that the small parachute would go slow because it won't get more air because it's a smaller kite.

The teacher showed the children a video clip of a parachutist descending, and asked them to use their knowledge about air resistance to predict what would happen if the parachute was a different size.

Bracken does not link his prediction to the previous experience of running with the umbrella and whilst mentioning that the amount of air is larger or smaller, this is not associated with the amount of air resistance.

Why does the parachutist fall down? Because of gravity.

# Bracken – Work Sample 2