

Temperature board

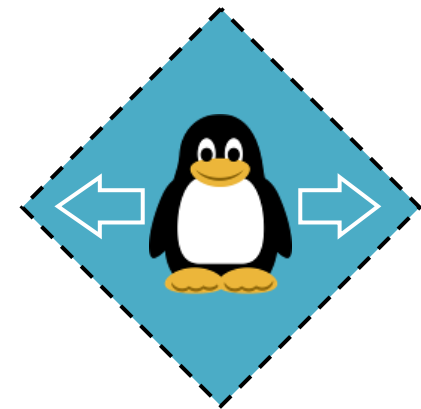
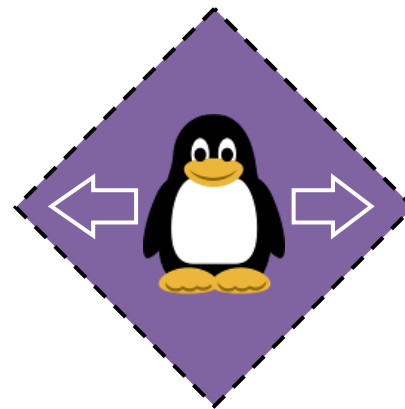
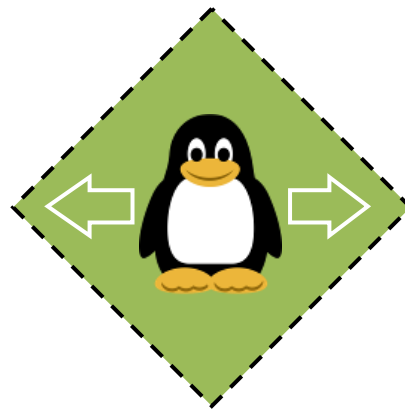
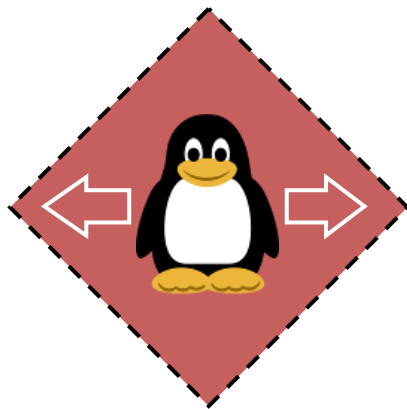
Too hot (°C)
10
9
8
7
6
5
4
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
Too cold (°C)

Action cards

Ice packs have melted. It is 5°C.	Ice packs working well. It is -5°C.	It's cold outside. It is -6°C.	It's hot outside. It is 7°C.
It gets warmer by two degrees.	It gets colder by two degrees.	The temperature drops by five degrees.	The temperature rises by four degrees.
The sun starts to warm up. It is 7°C.	An icy wind brings the temperature to -2°C.	It gets warmer by four degrees.	The temperature is at freezing point.
Ice packs have melted. It is 7°C.	Ice packs working well. It is -6°C.	It's cold outside. It is -3°C.	It's hot outside. It is 6°C.

It gets warmer by three degrees.	It gets colder by four degrees.	The temperature drops by six degrees.	The temperature rises by three degrees.
The sun starts to warm up. It is 5°C.	An icy wind brings the temperature to -4°C.	It gets warmer by two degrees.	The temperature is at freezing point.

Penguin counters



Penguin game – instructions for teachers

For 2 – 4 players

To set up

Photocopy the temperature board onto A3 paper and cut out a penguin for each player. Cut out all of the action cards.

The scenario

A penguin is being transported from its natural habitat to the local zoo. It is used to very cold conditions so must not get too hot. It is only young and does not have parents to keep it warm, so must not get too cold either. Your task is to keep the penguin between -10°C and 10°C .

To play the game

1. Players place their penguin on zero.
2. Put all of the cards in a pile, face down.
3. Players take it in turns to turn a card over and follow its instructions.
4. Winning players keep their penguin at the right temperature for ten turns.
5. There can be more than one winner.
6. If players run out of cards, shuffle the used cards and make a new pile.

For an extra challenge, players could be asked to mentally work out where their penguin will land before they make the jumps.