

Snowflake Symmetry

Deze les sluit aan bij het thema Winter.

Je kunt deze les geven ter vervanging van een les 12 (Look around) in het huidige thema van Join in, of op een ander moment naar keuze in de wintermaanden.

De les kan gegeven worden in het kader van Rekenen (symmetrie) of handvaardigheid.



Lesduur: 35 minuten | **Lesvorm:** creatief | **Werkwijze:** individueel

Lesdoel

De kinderen oefenen *Words to know* in een rekenactiviteit/handvaardigheidsactiviteit.

Words to know

(uit: unit 5 - groep 1/2 a:)

paper
scissors

(uit: unit 2 – groep 1/2 b:)

ice
snow
snowman

(flashcards shapes:)

circle
square
triangle

Vorbereiding

- Zet de videoclip uit unit 2 – groep 1/2 b *I see a snowman* klaar.
- Leg de flashcards klaar met de *Words to know*.
- Leg scharen en witte, vierkante vouwblaadjes klaar (minimaal 3 per kind).
- Zorg voor een spiegelkje per groepje.
- Knip vooraf uit vouwblaadjes enkele sneeuwvlokken (zie lesbeschrijving) als voorbeeld.
- Laat de kinderen in groepjes aan een tafeltje zitten.

Total Physical Response (TPR)

Total Physical Response (TPR) is het ondersteunen van woorden met gebaren. Het is belangrijk dat je dit voortdurend doet tijdens de les. In deze les is het vooral van belang dat je de instructie en uitleg ondersteunt met gebaren en bewegingen.

Hello-song

Start singing *Hello hello...*

1 Listen and watch

Look at the board. We are going to watch and listen to a song. Maybe you remember it. *It is about a snowman.* Stand beside the board and sing along while you show the movements. Encourage the children to sing and move along with you. When the song is finished, point to the board: *The song is about a snowman. When can you build a snowman? In summer? (no) When the sun is shining and it is nice and hot? (no) You can build a snowman in winter, when it is cold and there is ice and snow.* Show the flashcards ice and snow.

I see a snowman standing in the rain.
I see a snowman standing in the rain.
But now it is too warm for him.
He is melting, melting, melting
and now he is nearly gone.

I see a snowman standing in the sun.
I see a snowman standing in the sun.
But now it is too warm for him.
He is melting, melting, melting
and now he is nearly gone.

I see a snowman standing on the grass.
I see a snowman standing on the grass.
But now it is too warm for him.
He is melting, melting, melting
and now he is nearly gone

2 What are we going to do?

Show the snowflakes you made out of paper. *Today, we are going to make snow.* Show the scissors and paper. *We are going to make snowflakes out of paper with our scissors. What colour is the paper?* It is white, because snow is white.

3 Let's do it

Show how to fold a paper in half, diagonally. *Take all one paper and fold it once, like I did. Show how to cut shapes along the folded line: I am cutting a square, a triangle, a circle.* Then unfold the paper and show the result. *Look, it is a snowflake.* Tell the children to do the same with their paper. *Cut along the folded line.* Point out the folded line. *You can choose which shapes you cut out: a circle, a square or a triangle.* Show the shape flashcards.

Repeat twice: the second time the paper is folded twice, the third time the paper is folded three times. Let the children cut out shapes again and unfold their papers. Give them time to enjoy the cutting and to be amazed about the results.

4 Show it

Show a few snowflakes from the first cutting session and from the second session.

Which snowflakes are the most beautiful? Which snowflake did we fold two times?

Explain the word 'folding' by folding a paper. *Where can you see the most lines?*

(at snowflakes made in the third session) *Where can you see the most shapes?*

(at snowflakes made in the third session)

Then fold a snowflake made in the third session back in half and hold it up to a mirror.

What do you see? The snowflake looks exactly the same as when it was open. Let the children experience this with a mirror and their own paper cuttings.

Display all the snowflakes on the wall. *All the snowflakes together make snow!*

Goodbye-song

You all did very well! Good work!

Start singing *Goodbye...*

