DE NOORDWIJKSE METHODE

Bijlagenboekje onderbouw

Thema: Oceanen



Inhoudsopgave

Deelthema 1: Wat leeft er in de oceanen? 4

Zeedierenweetjes 4

Week 1 6
Zeedieren 6
Letterzeedieren en netjes 8
Lengtes zeedieren 18
Double bubble map 20
Vissen cijfers 21
Kleikaart haaientanden trekken 25
Beebotmat zelfstandig ICT-atelier 26
Beebotmat zelfstandig ICT-atelier losse vakken 29

Week 2 44
Kijkplaat zeedieren 44
Zeedieren 45
Pictogrammen kenmerken zeedieren 47
Onderzoeksblad 48
Opzoekboekje 49
Getallen zeedieren 56
Zeedieren getallen memorie 59

Week 3 63
Foto's bijzondere zeedieren 63
Details bijzondere zeedieren 65
Dobbelstenen 67
Bouwplan zeedieren 69

Week 4 75
Gecamoufleerde octopus 75
Foto octopus 76
Puzzel octopus 77
Niet kloppende octopus 78
Lijf octopus 79

Deelthema 2: We redden de oceaan! 80

Zeedierenweetjes 80

Week 5 82
Praatplaat zeevogelopvang 82
Plaatjes op volgorde 83
Rollenkaartjes 84
Incidentenkaartjes 87
Opvangkaart 89
Zeevogel memorie 90

Week 6 92
Stappenplannen proefjes 92
Onderzoeksbladen plusopdracht 94

Week 7 ..... *96*
Kijkplaat van het koraal 96
Patroonblokken koraal 97
Rekenkaarten koraal 98
Schrijfkaart koraal 108
Beebotmat koraal 109

Week 8 ..... *135*
Patroonkaart plastic soep 135
Plastic soep 136
Stempelkaarten 137
Rijmwoorden fles – dop – tas 143
Plastic soep doolhof 144

Afsluitende week *145*
Oceaandiploma 145

Woordkaarten *146*
Woordkaarten kleine letters 146
Woordkaarten hoofdletters 157

Deelthema 1: Wat leeft er in de oceanen?

Zeedierenweetjes



Dolfijnen herkennen elkaar aan hun eigen fluitsignaal.



Wist je dat wetenschappers een dier eerst heel goed bekijken voordat ze weten hoe het heet?



Wist je dat een maanvis meer dan 2.000 kilo kan wegen?



Wist je dat een octopus door een opening kan kruipen die bijna net zo groot is als zijn oog?

Week 1

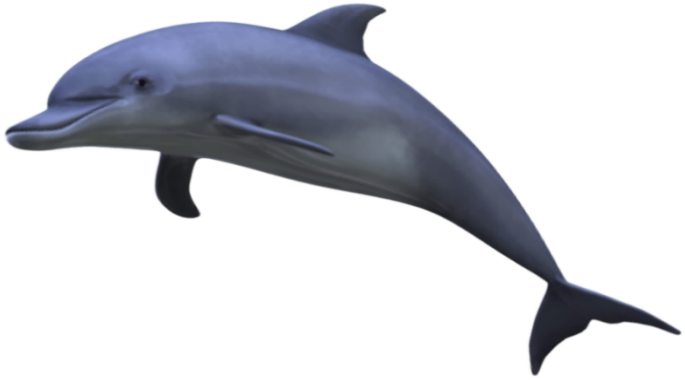
Zeedieren



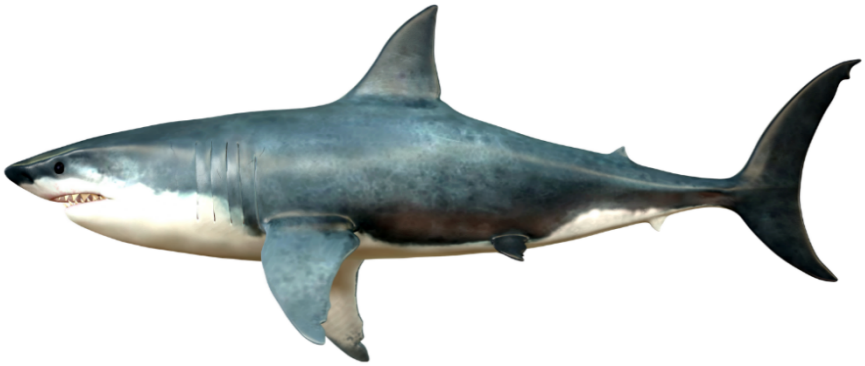






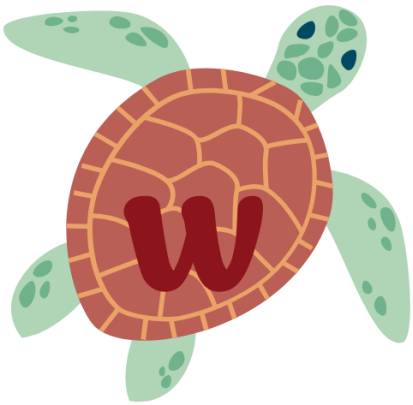


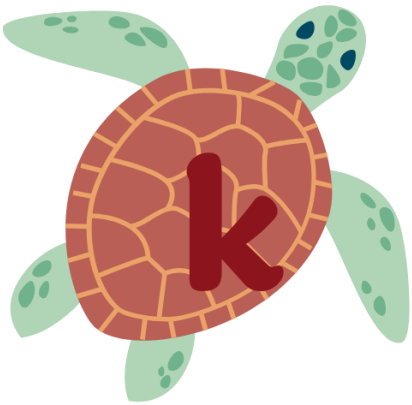




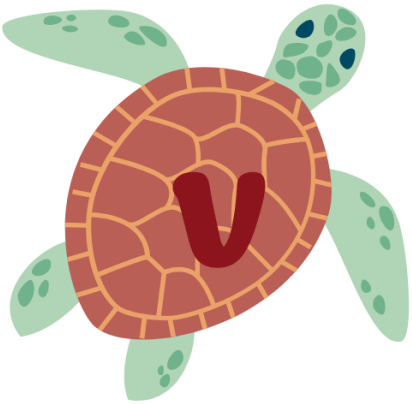


Letterzeedieren en netjes

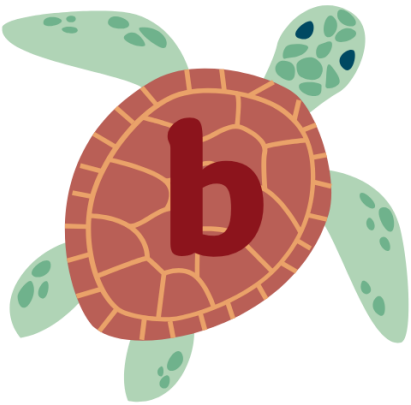




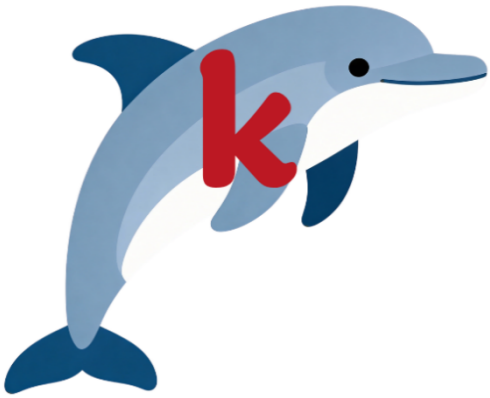




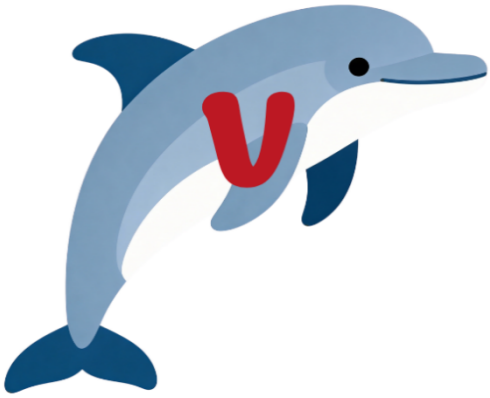


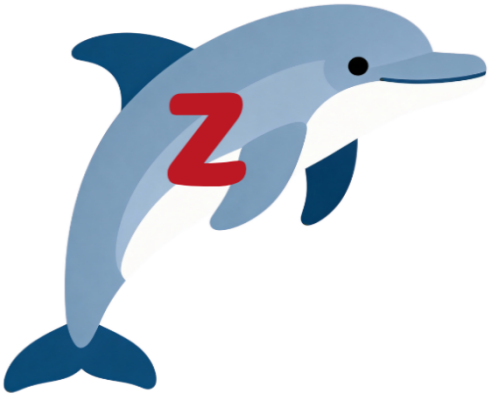


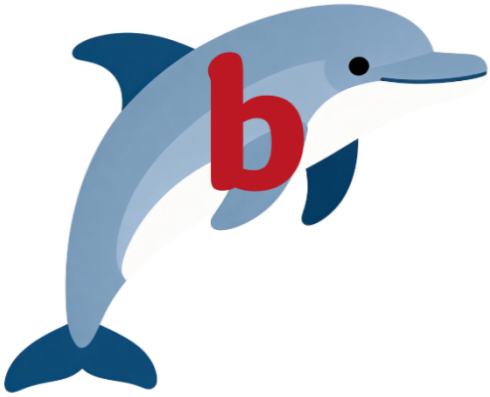

w

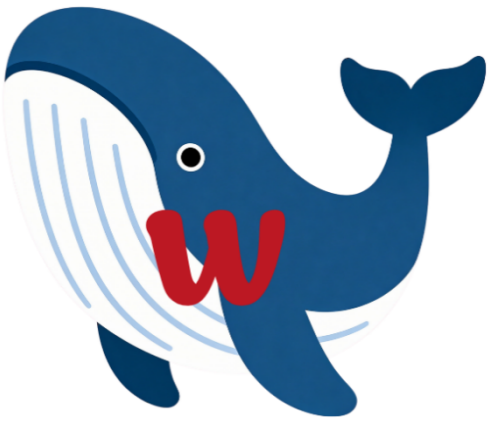

k

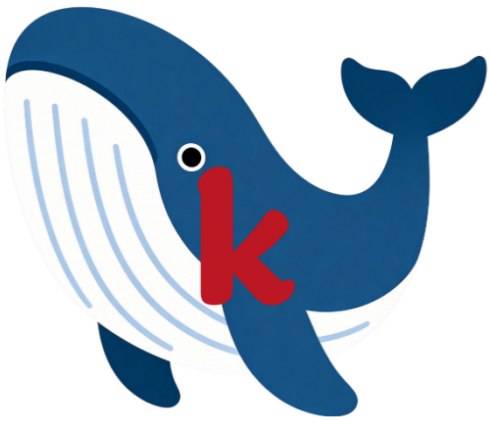

g


v

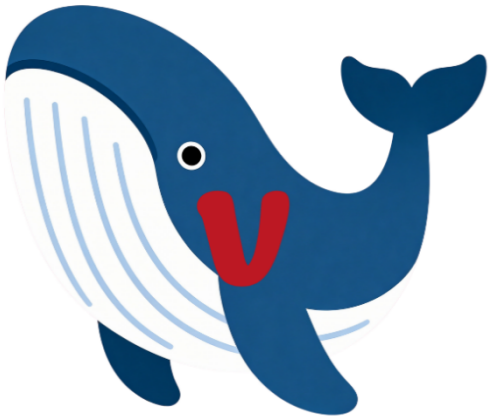

z

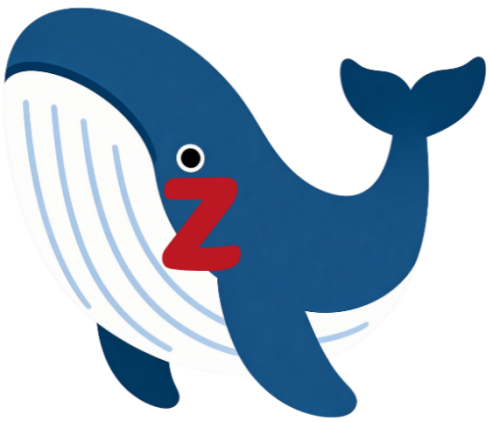

b

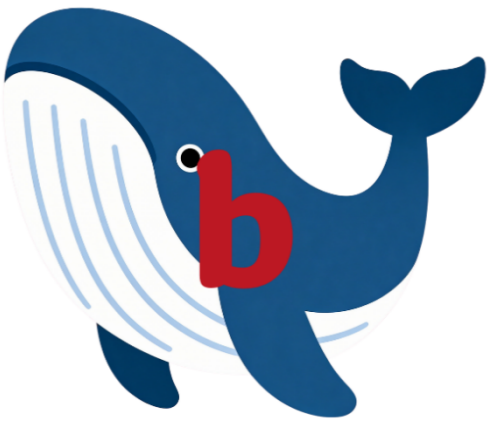

w

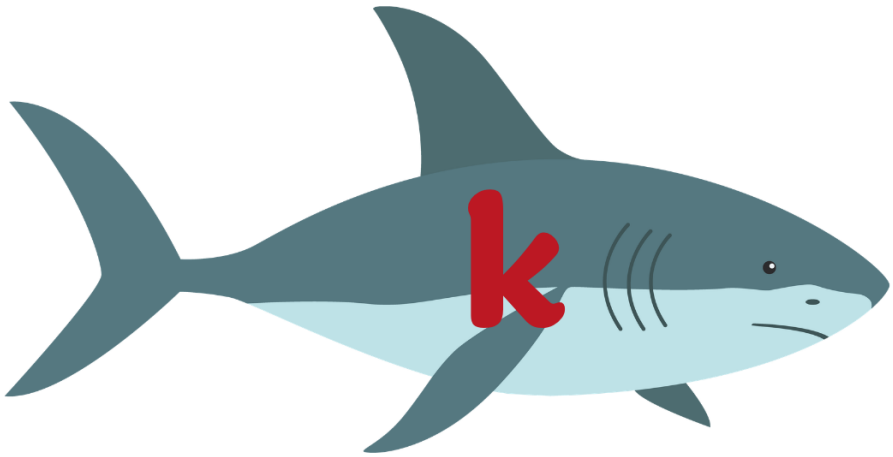

k

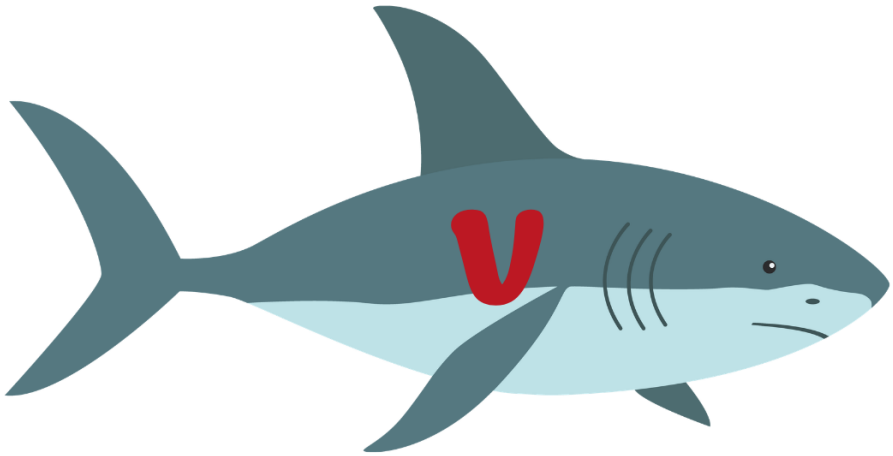

g

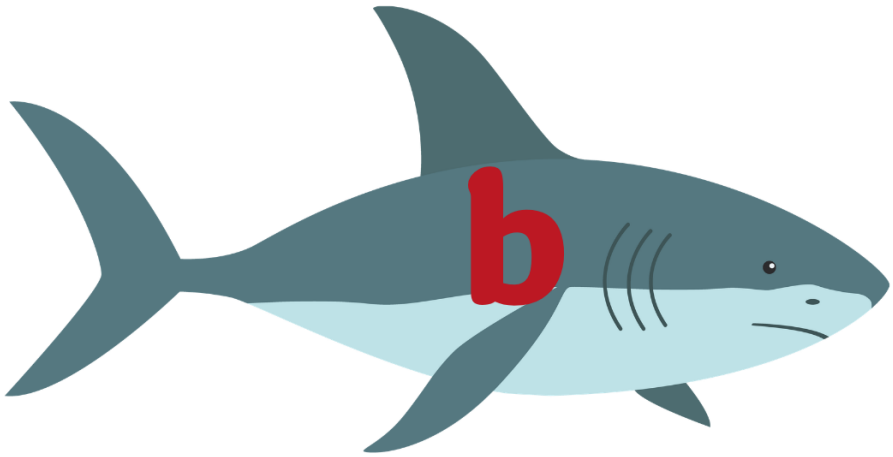

v

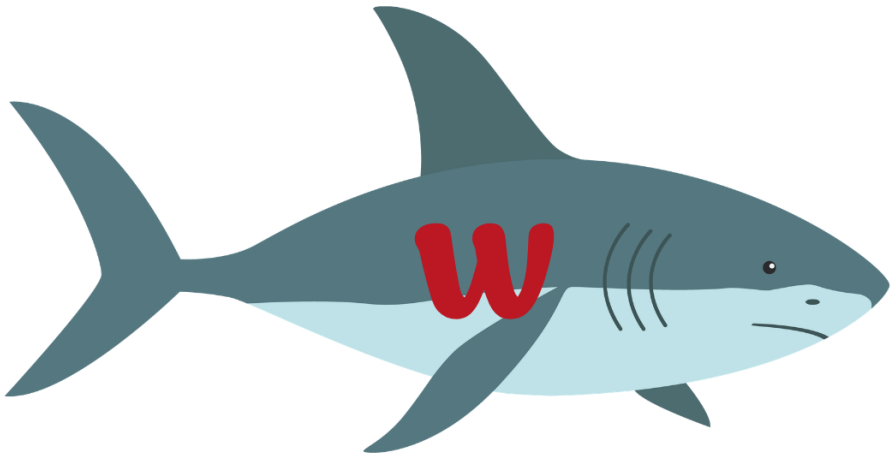

z

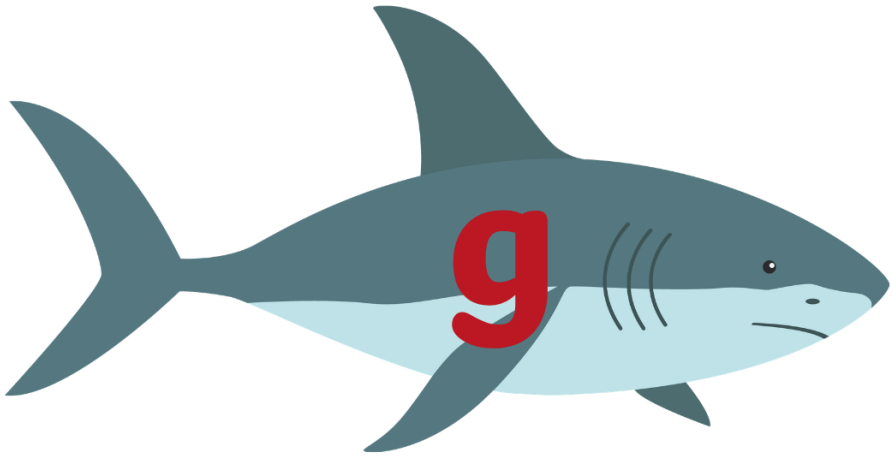

b

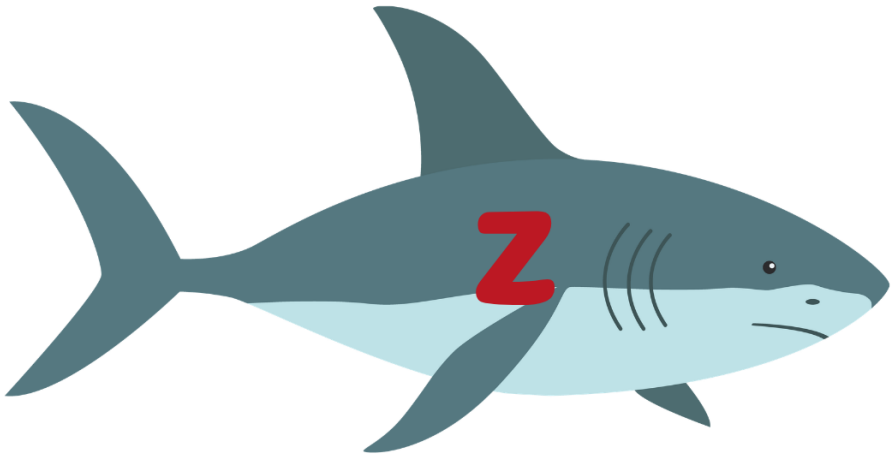

k


v


b


w


g


z


w

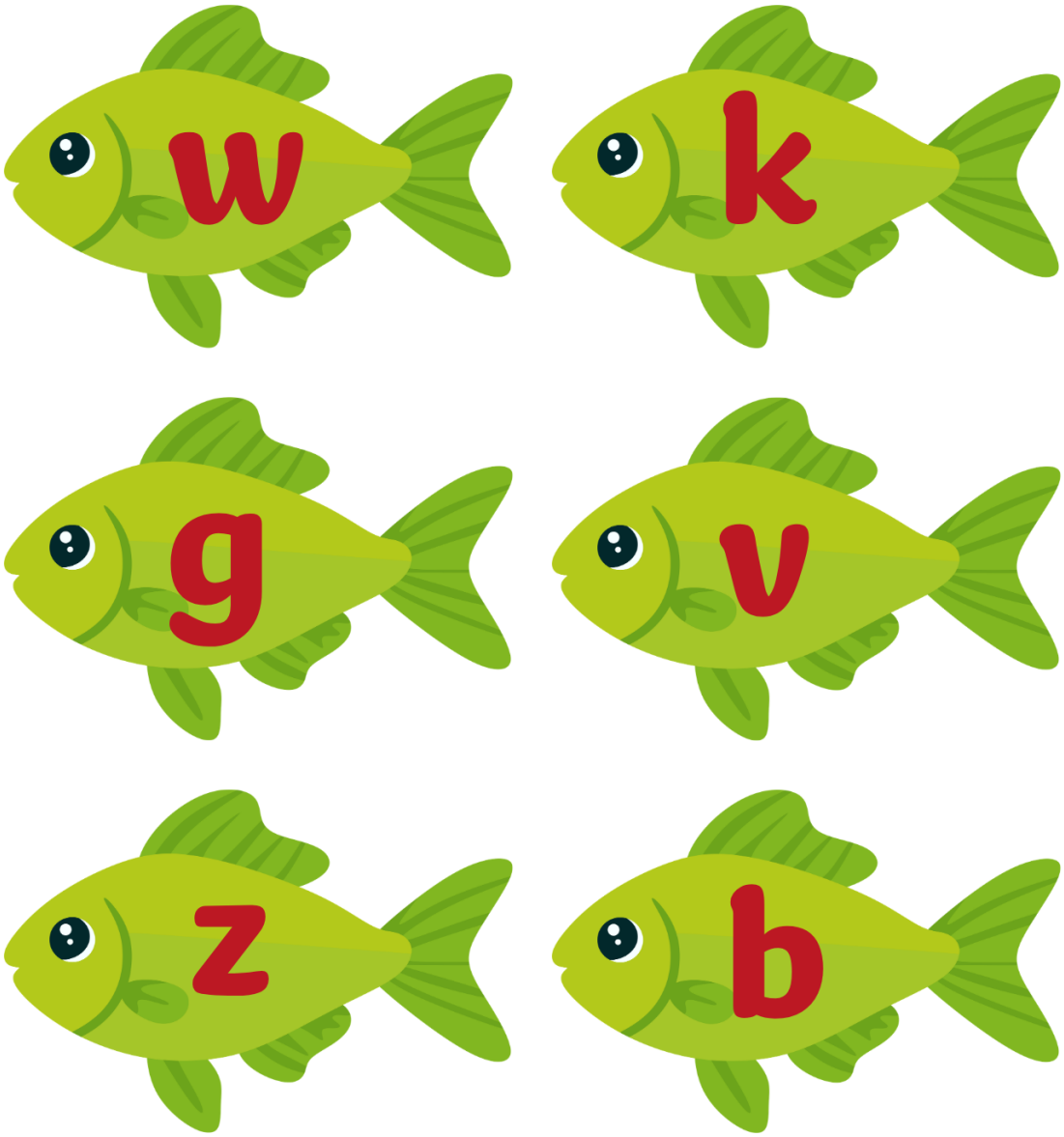

k


g


v


z


b


w
k
g
v
z
b


w


k


g


v


z
b

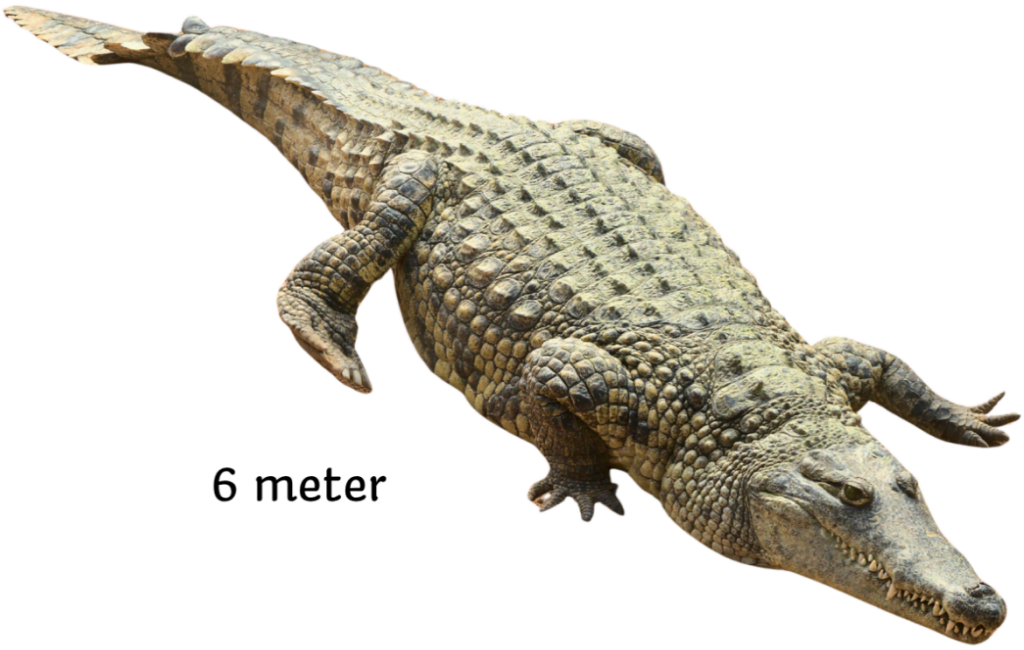
Lengtes zeedieren



1 meter



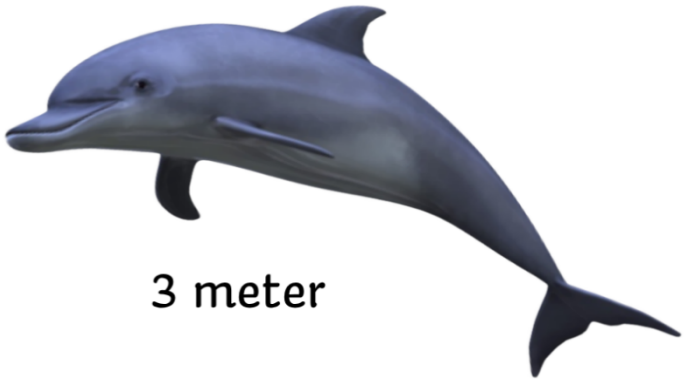
½ meter



6 meter



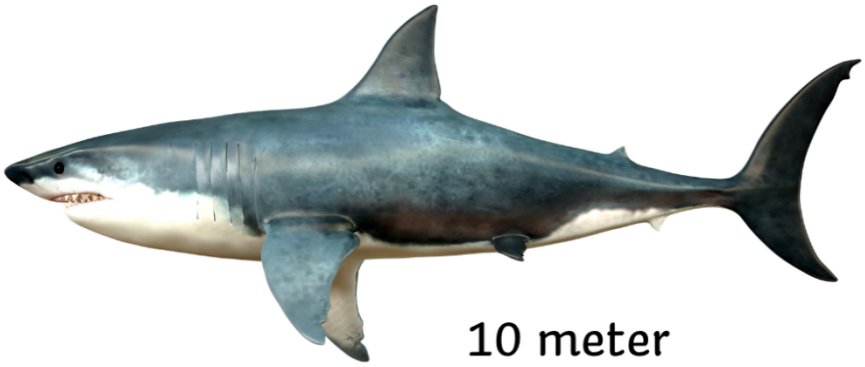
2 meter



3 meter



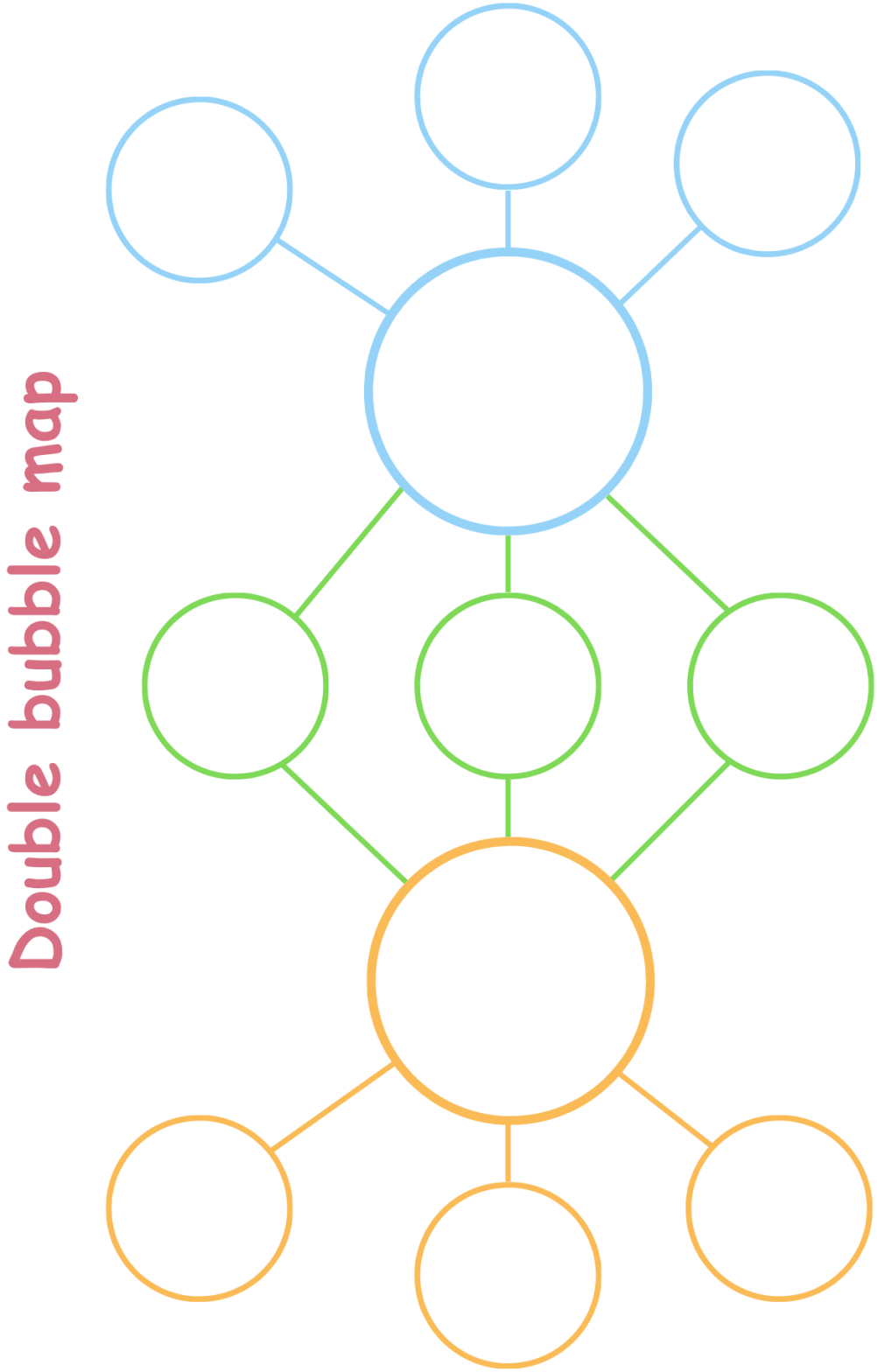
½ meter



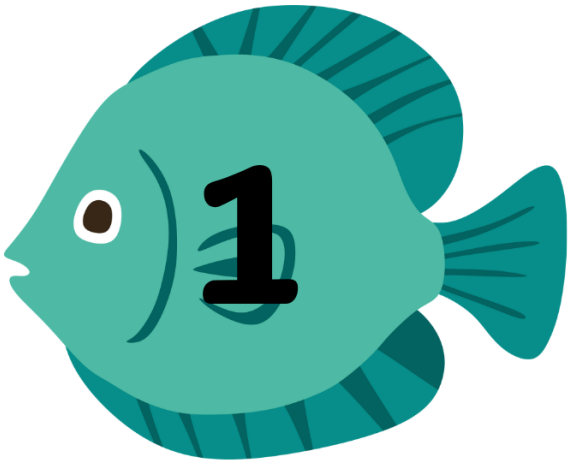
10 meter

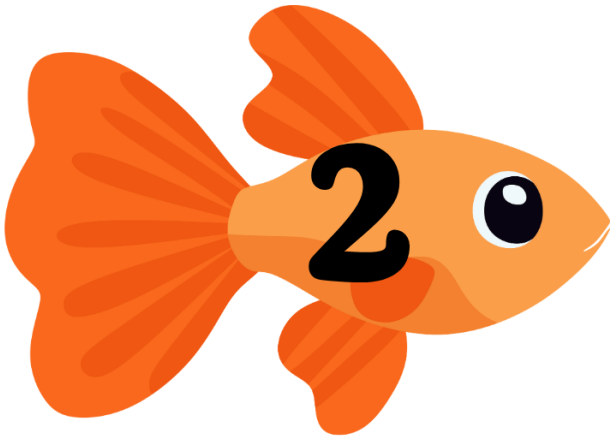


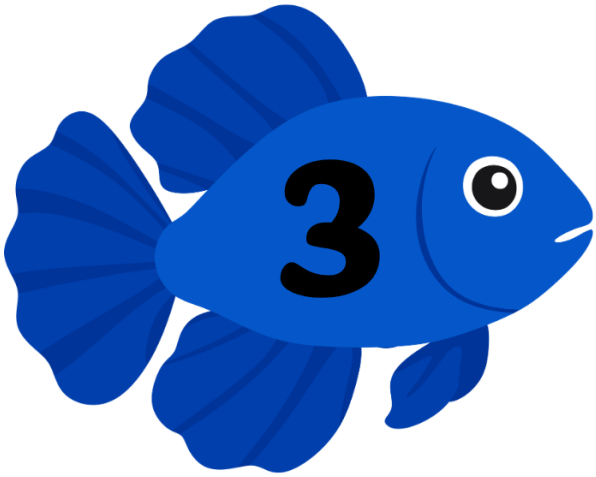
14 meter

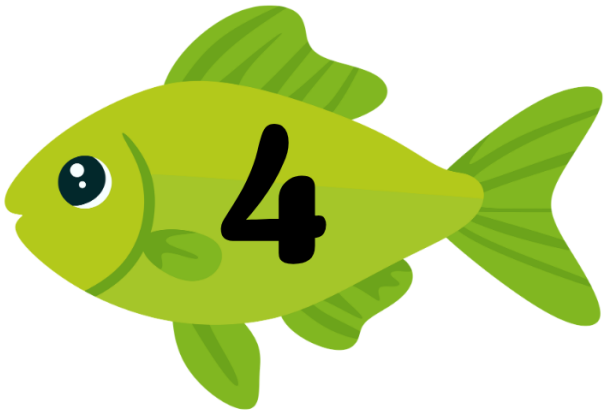

Double bubble map

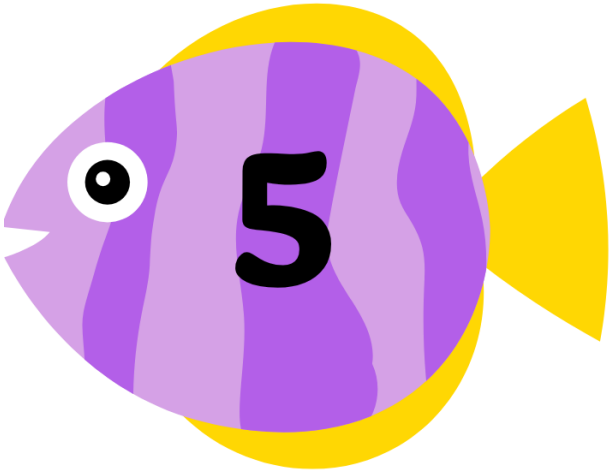
Vissen cijfers

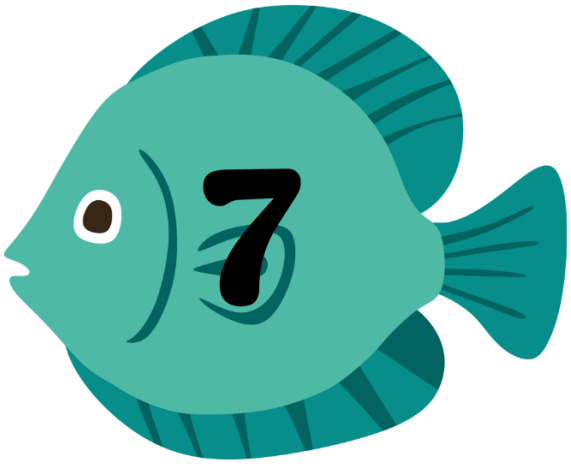


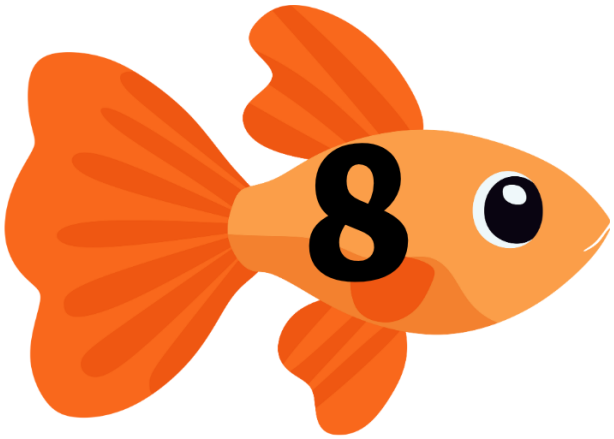


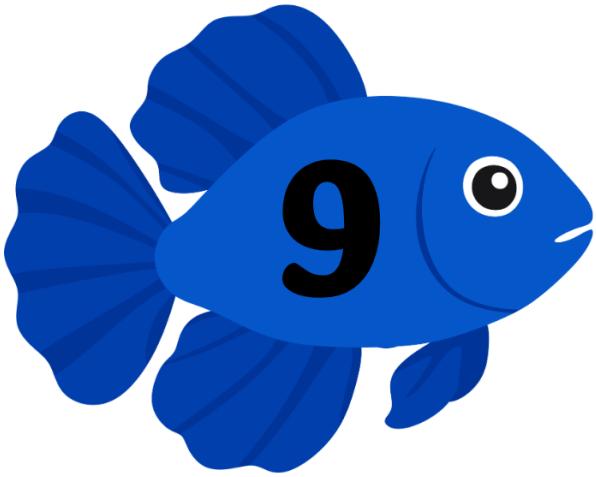




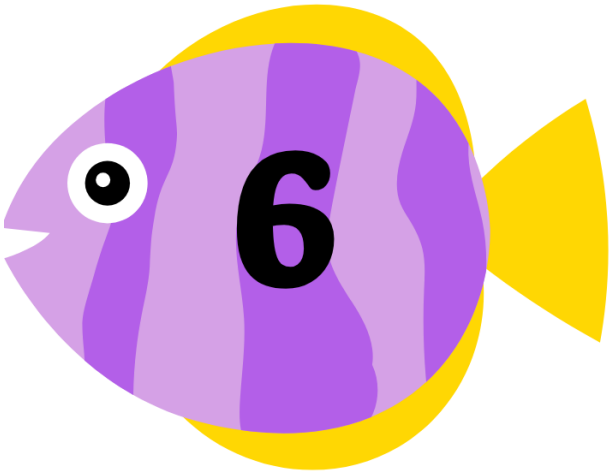


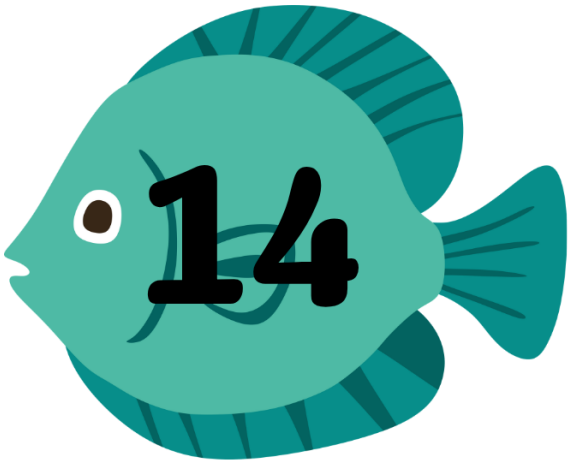

7

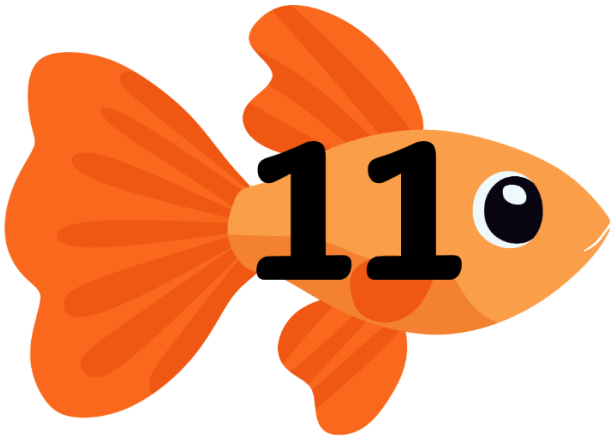

8

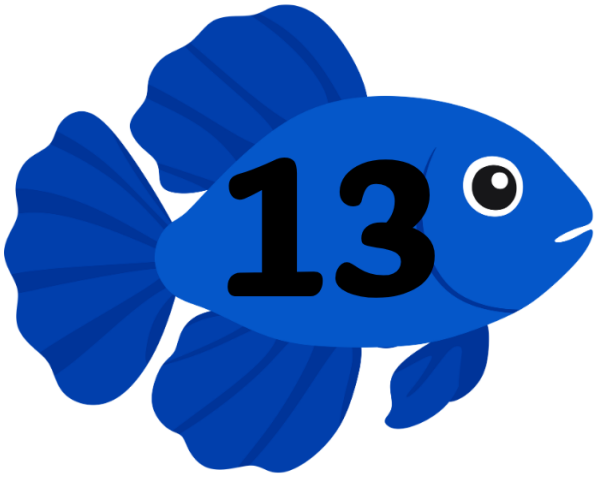

9


10

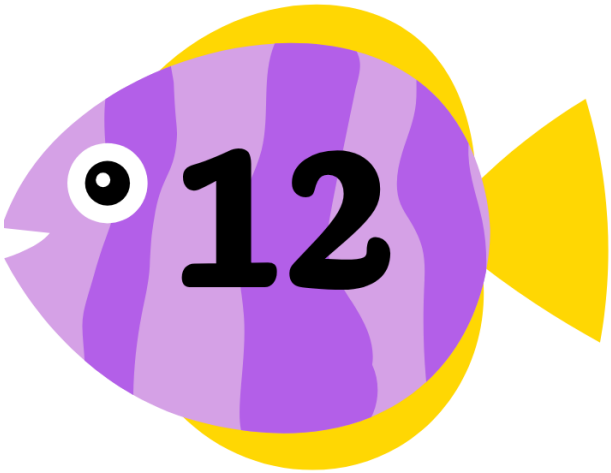

6

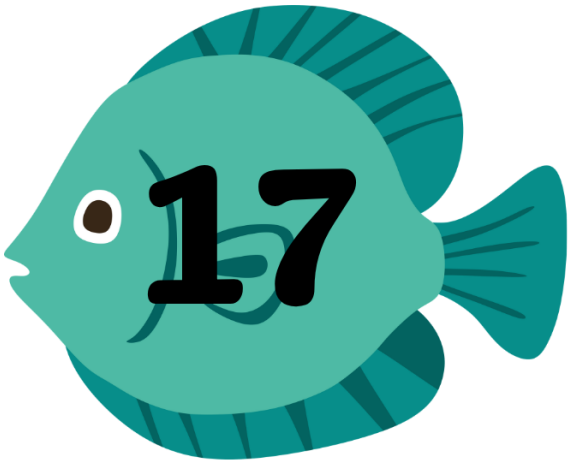

14

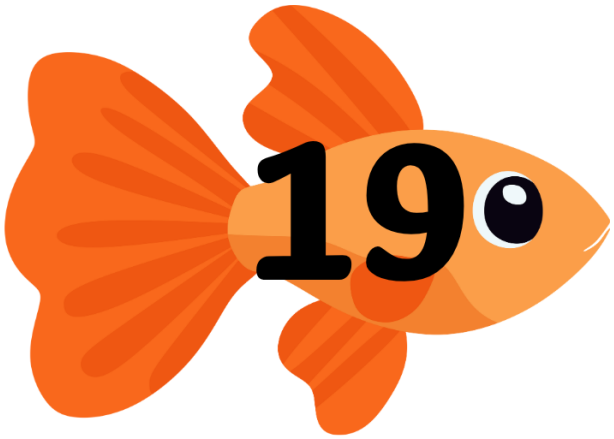

11

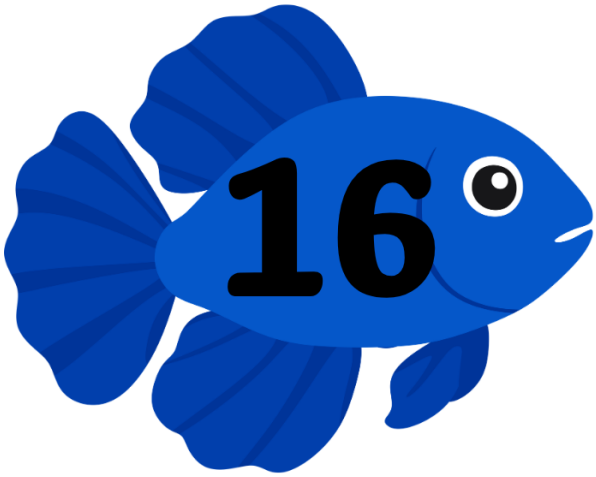

13


15

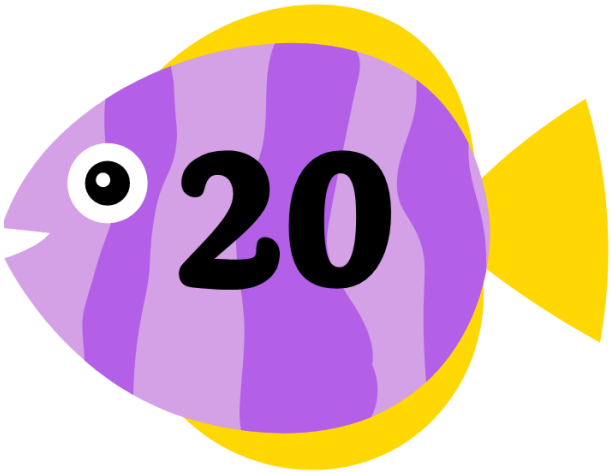

12


17

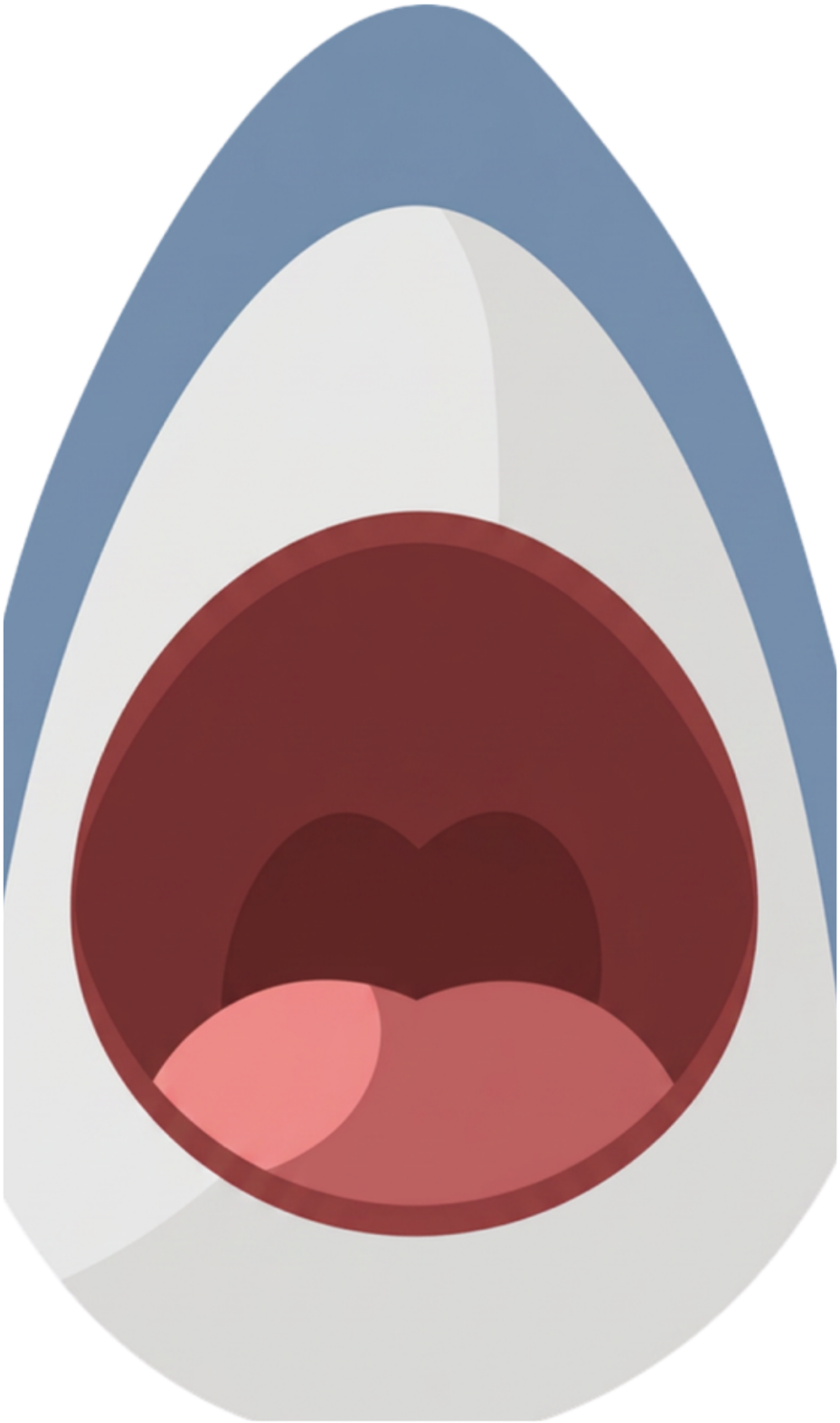

19


16

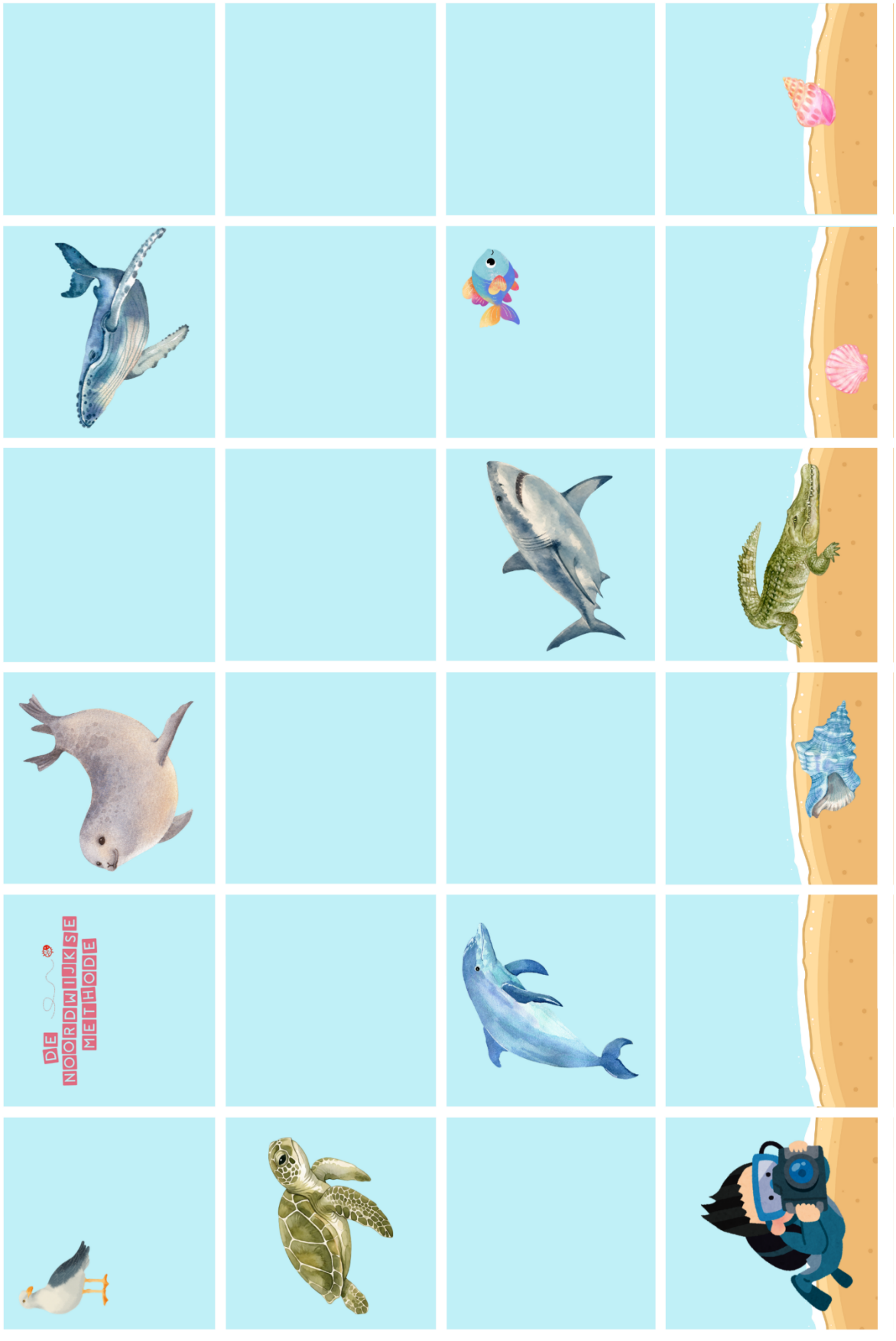

18


20

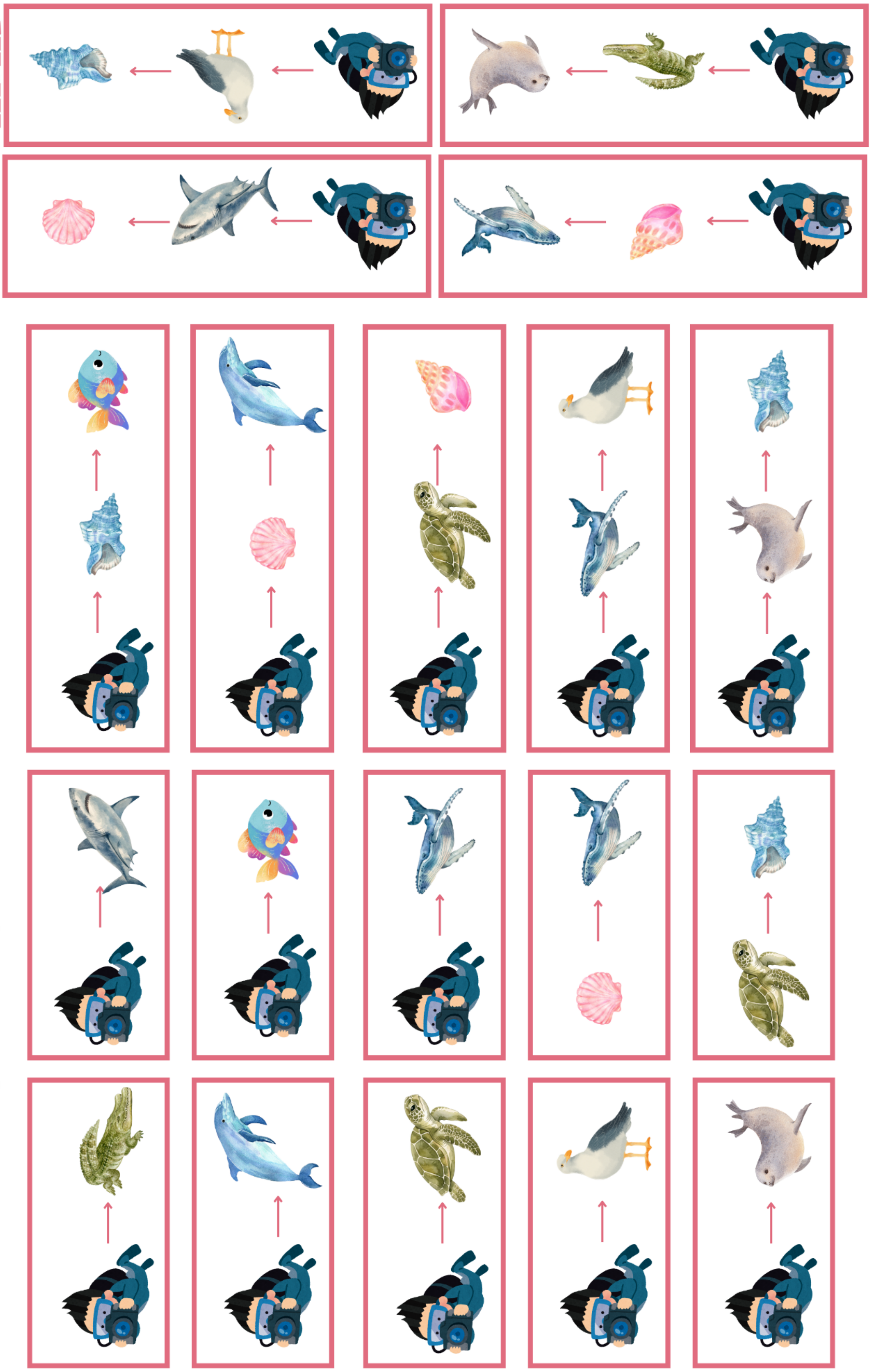
Kleikaart haaientanden trekken



Beebotmat zelfstandig ICT-atelier



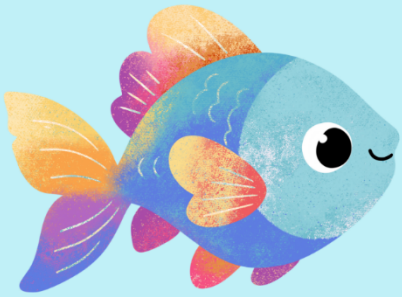
Opdrachtenkaartjes Beebot Zeedieren



Beebotmat zelfstandig ICT-atelier losse vakken

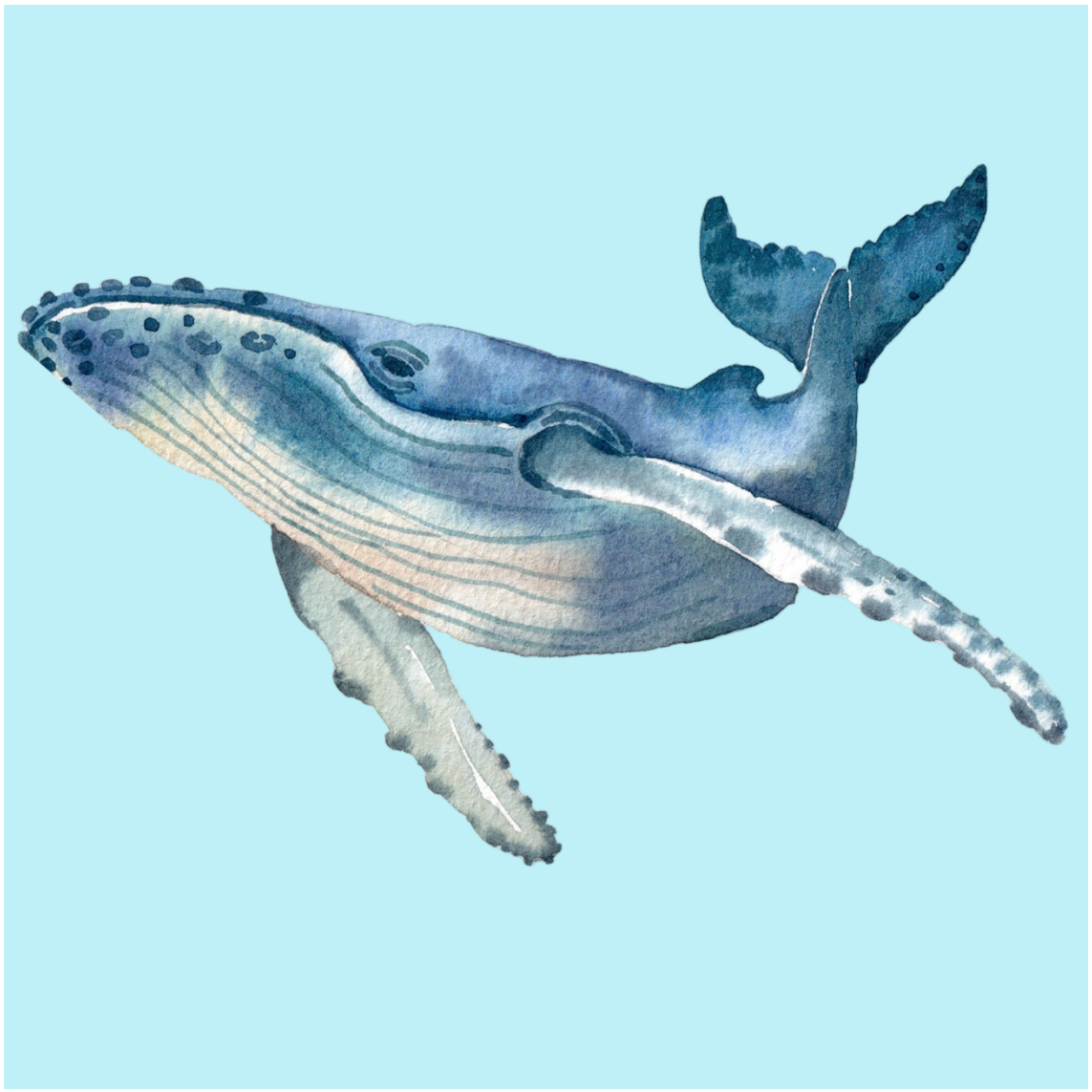


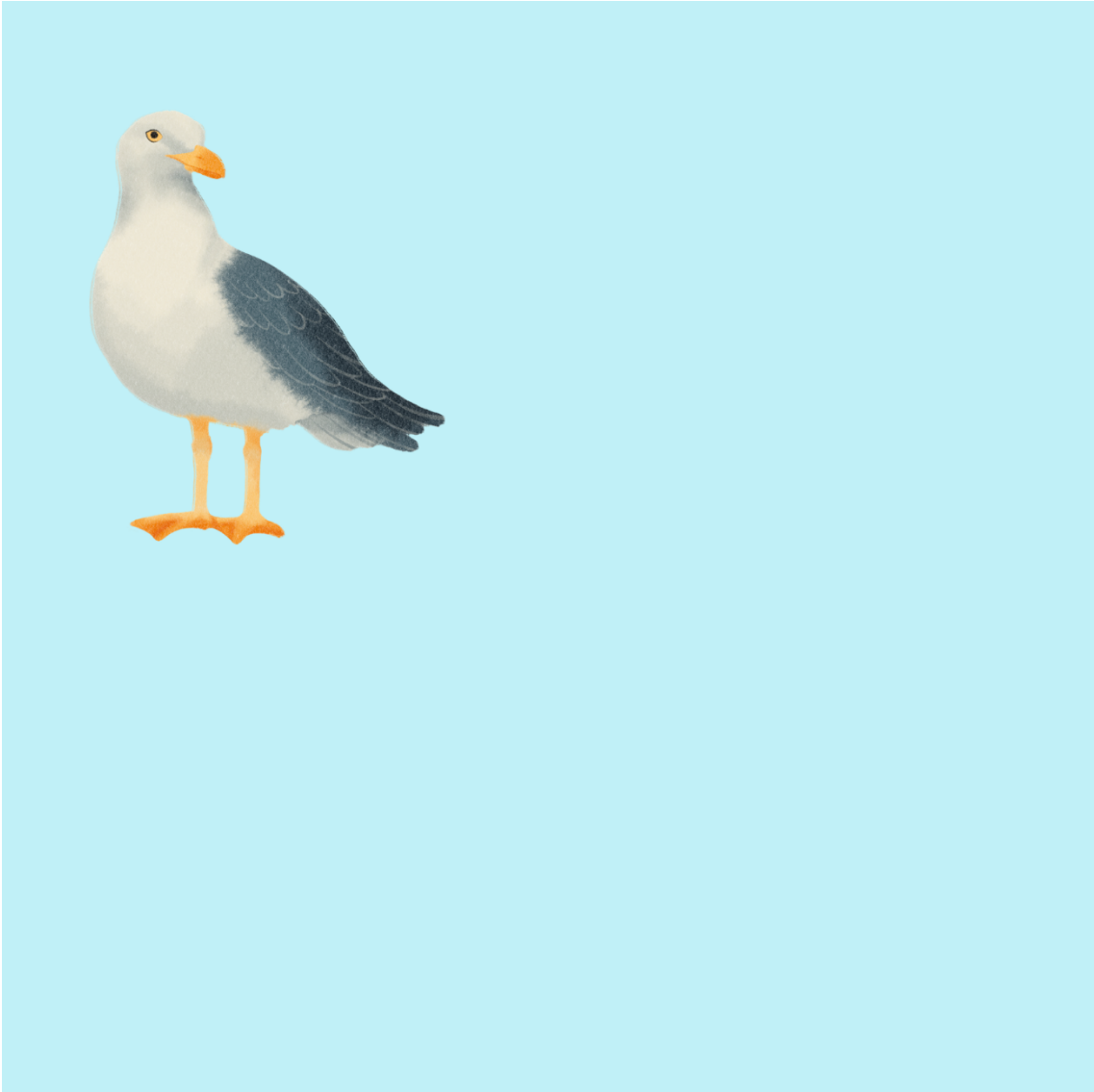












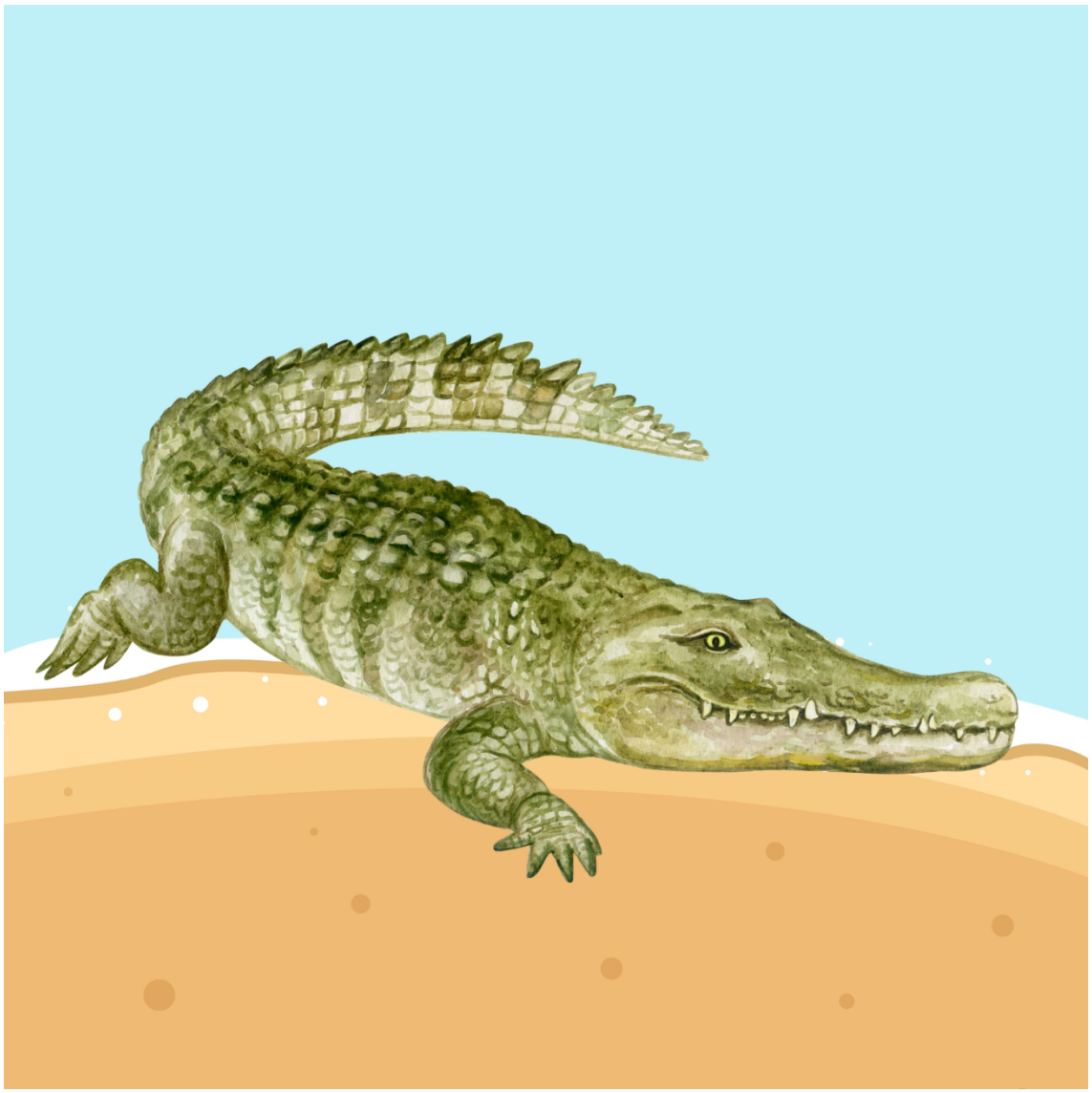














Week 2

Kijkplaat zeedieren



Zeedieren

























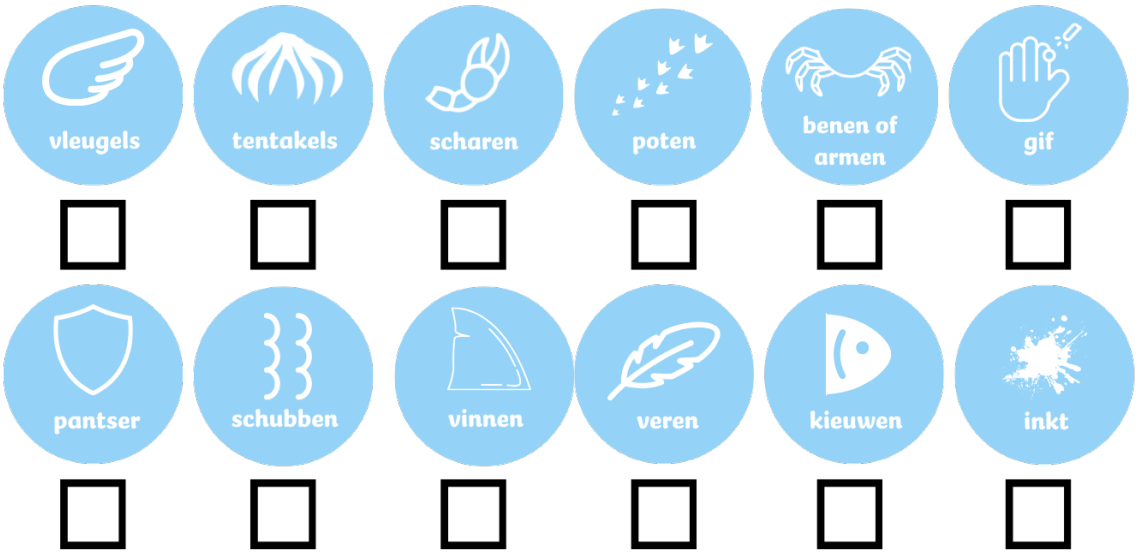
Pictogrammen kenmerken zeedieren

Onderzoeksblad Onderwaterlab

Naam dier: _____

Lengte dier  **:** _____

Kenmerken dier:





Zeedieren opzoekboek

de garnaal



pantser

scharen

poten

kieuwen

ik eet:



het zeewier



de kleine visjes



de kleine krab

de pinguïn



benen of armen

veren

vleugels

ik eet:



de vis



de garnaal



de inktvis

de albatros











ik eet:



de vis



de garnaal



de inktvis

de pelikaan











ik eet:



de vis



de garnaal

de anemoonvis



kieuwen

vinnen

schubben

ik eet:



het zeewier



de garnaal

de inktvis



tentakels

vinnen

gif

kieuwen

ik eet:



de krab



de garnaal



de kreeft

het zeepaardje







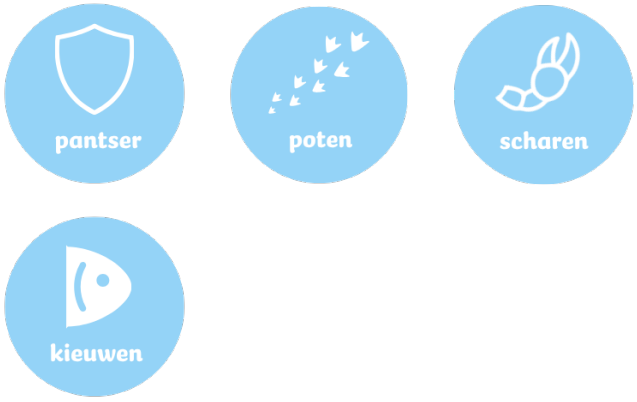
ik eet:



de garnaal

de krab







ik eet:



de garnaal



het zeewier



de vis

de zeester









ik eet:



het koraal



de mossel

de rog













ik eet:



de garnaal



de krab



de mossel

de octopus













ik eet:



de garnaal



de krab



de kreeft

de kwal









ik eet:



de kleine visjes



de garnaal

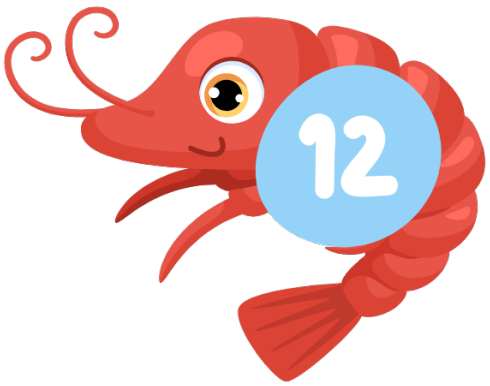
Getallen zeedieren







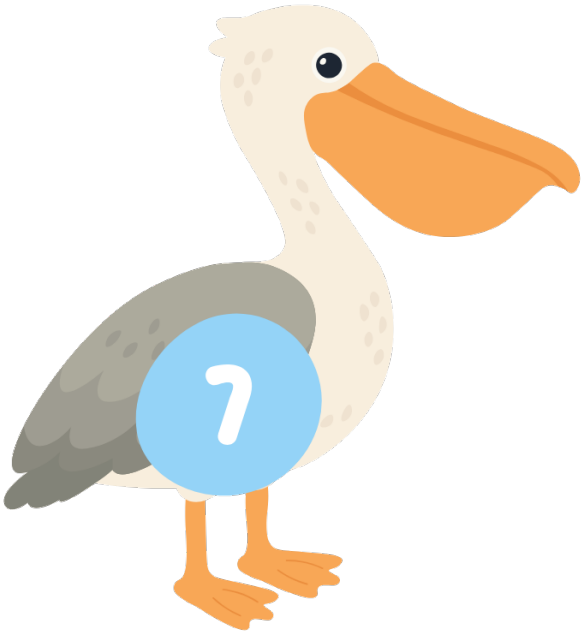





10

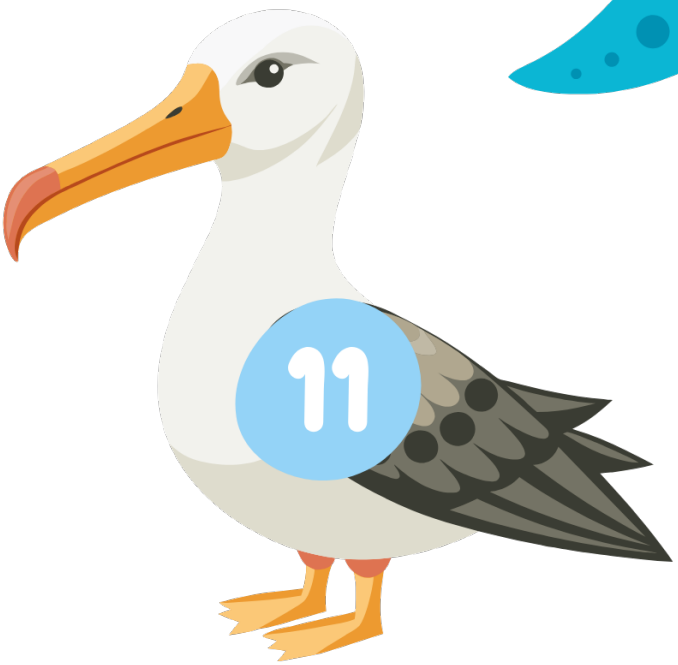

4


3

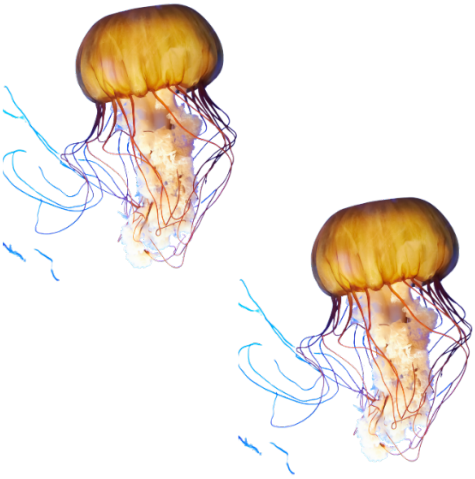

7

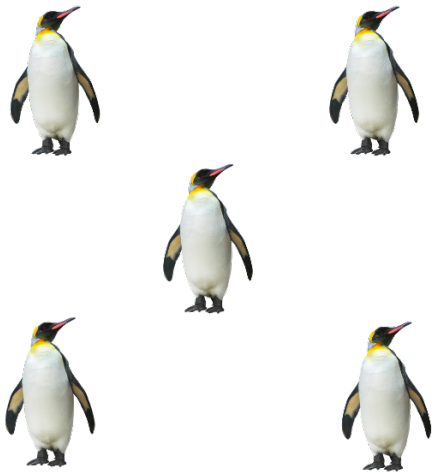

9

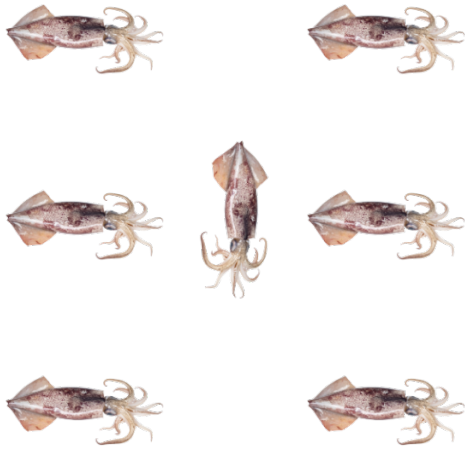
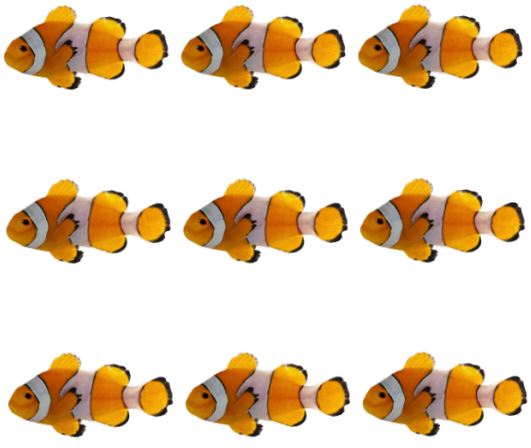

5

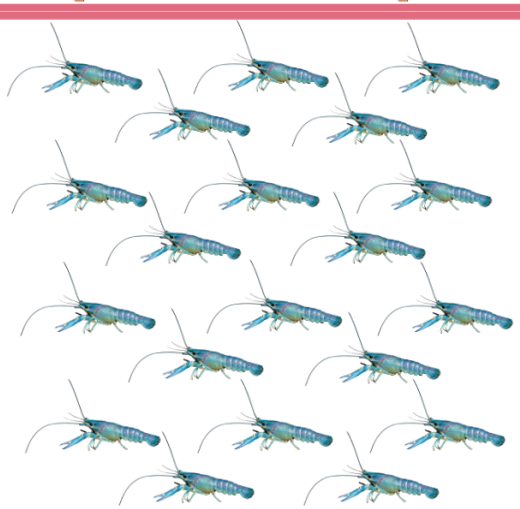

11

Zeedieren getallen memorie

1	
2	
3	

4	
5	
6	

7	
8	
9	

10	
15	
20	

Week 3

Foto’s bijzondere zeedieren















Details bijzondere zeedieren





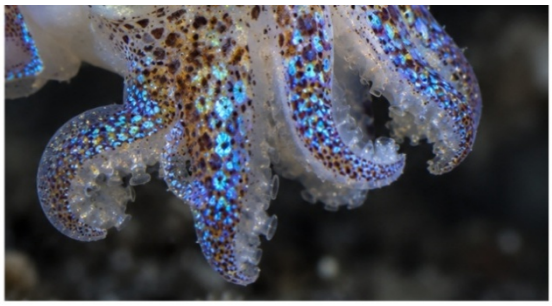


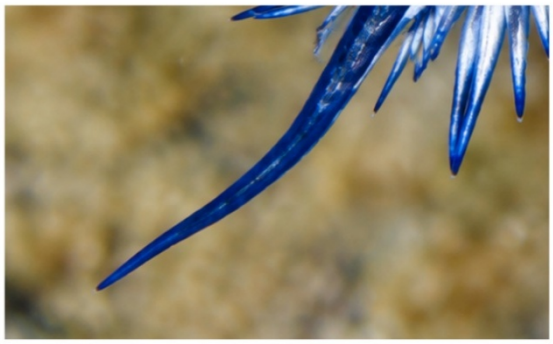








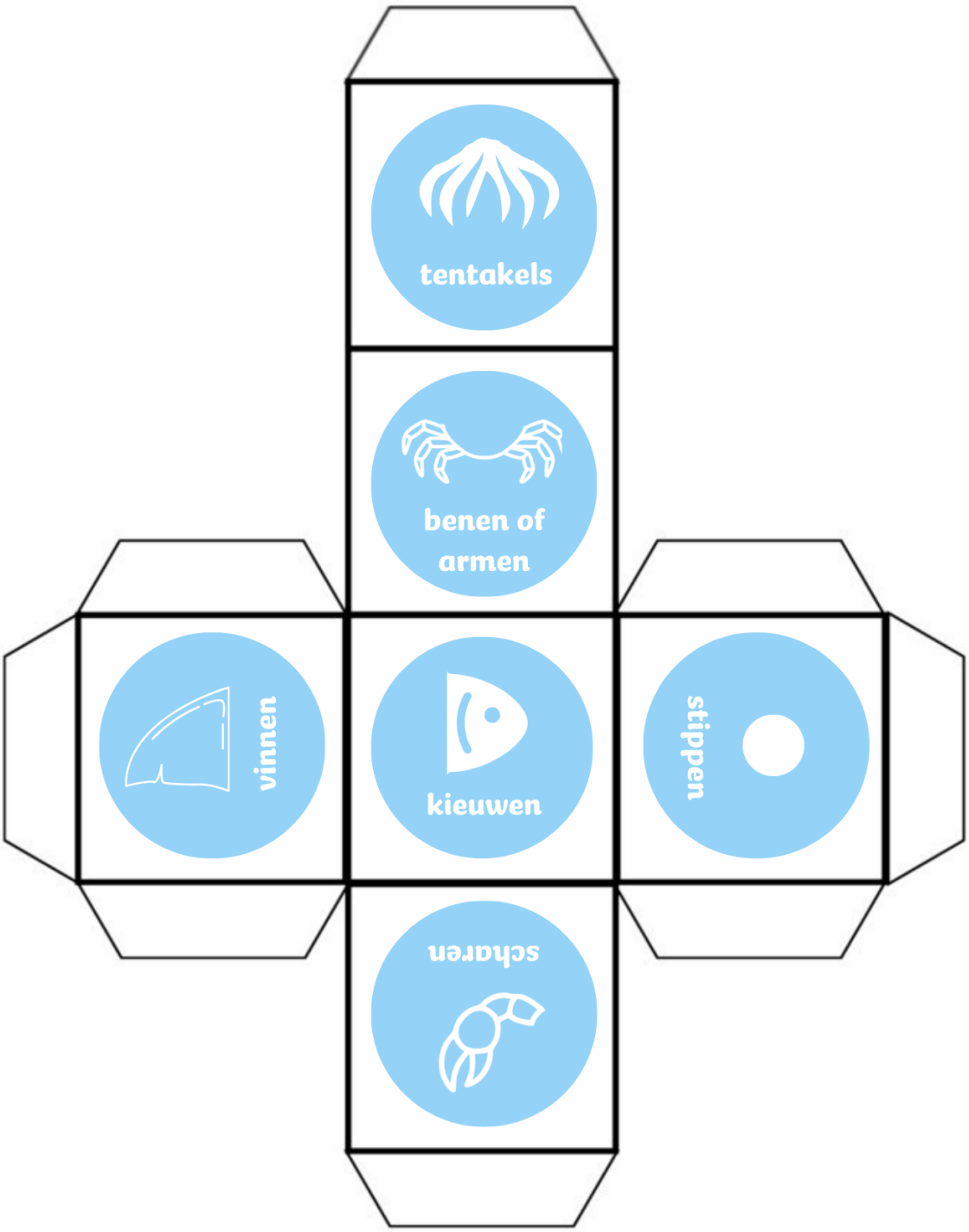


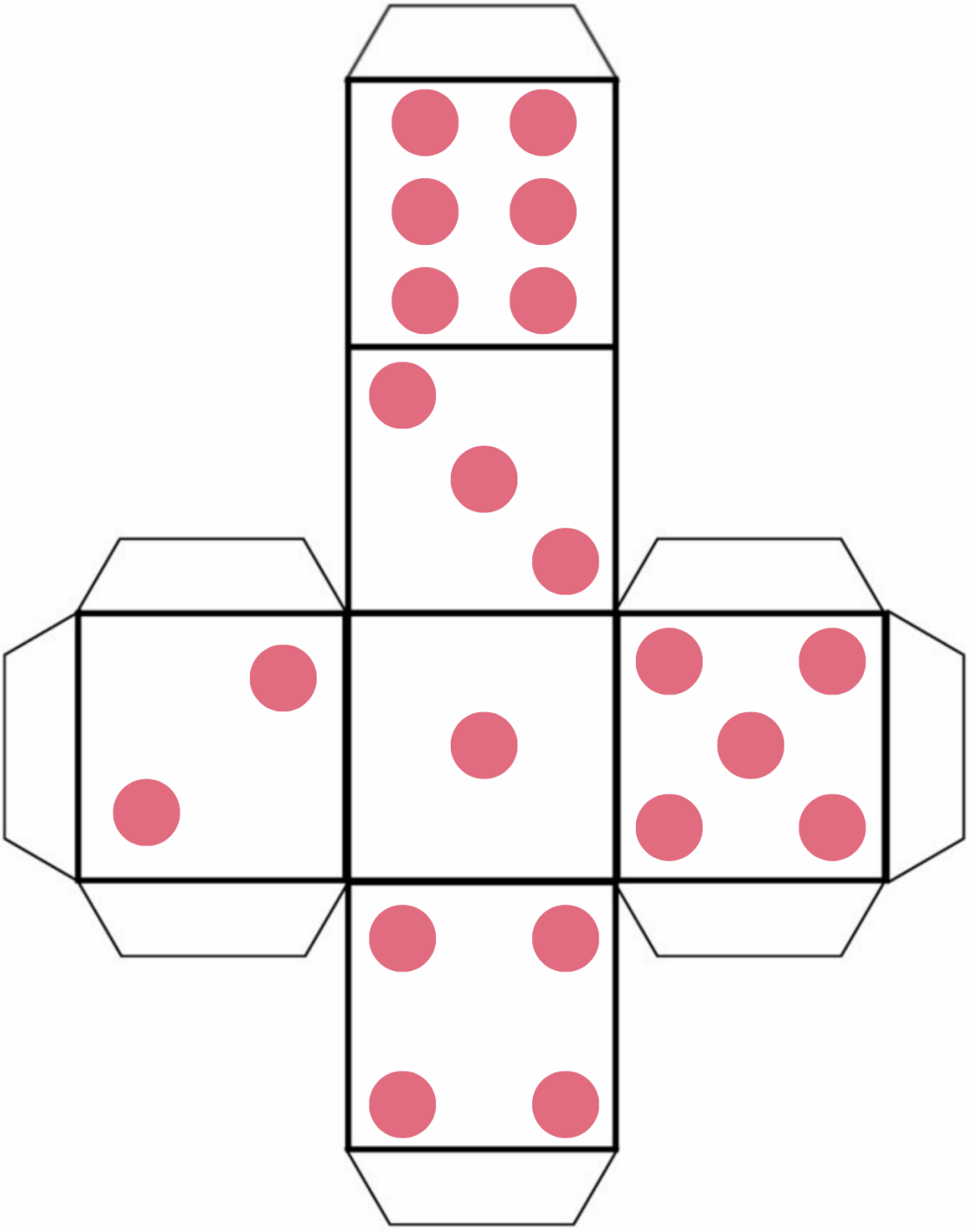




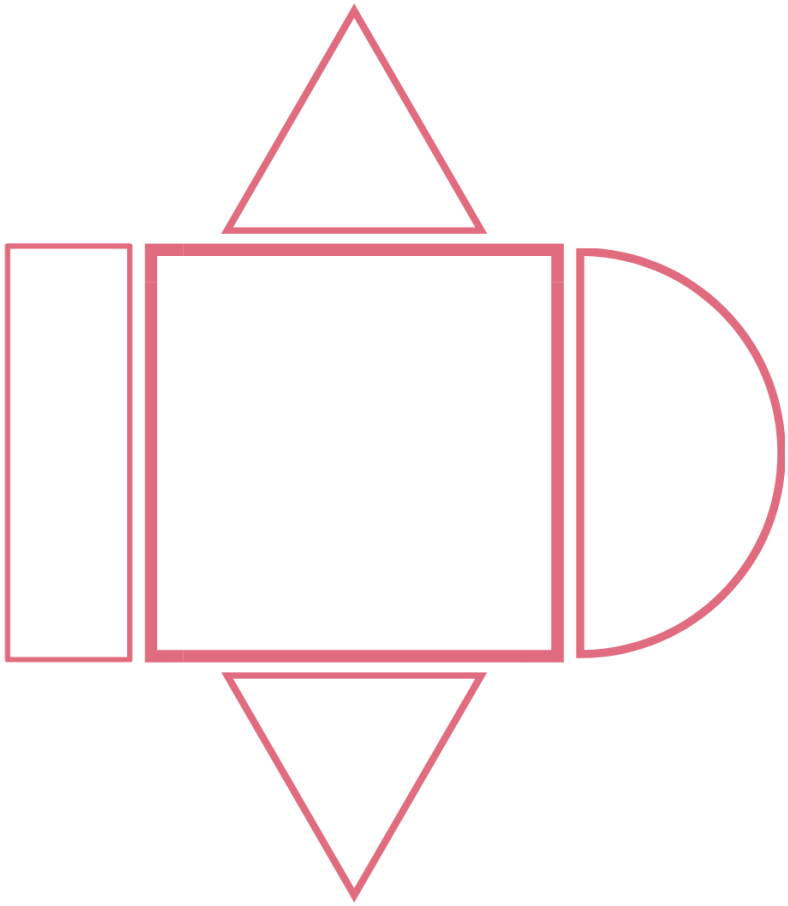



Dobbelstenen

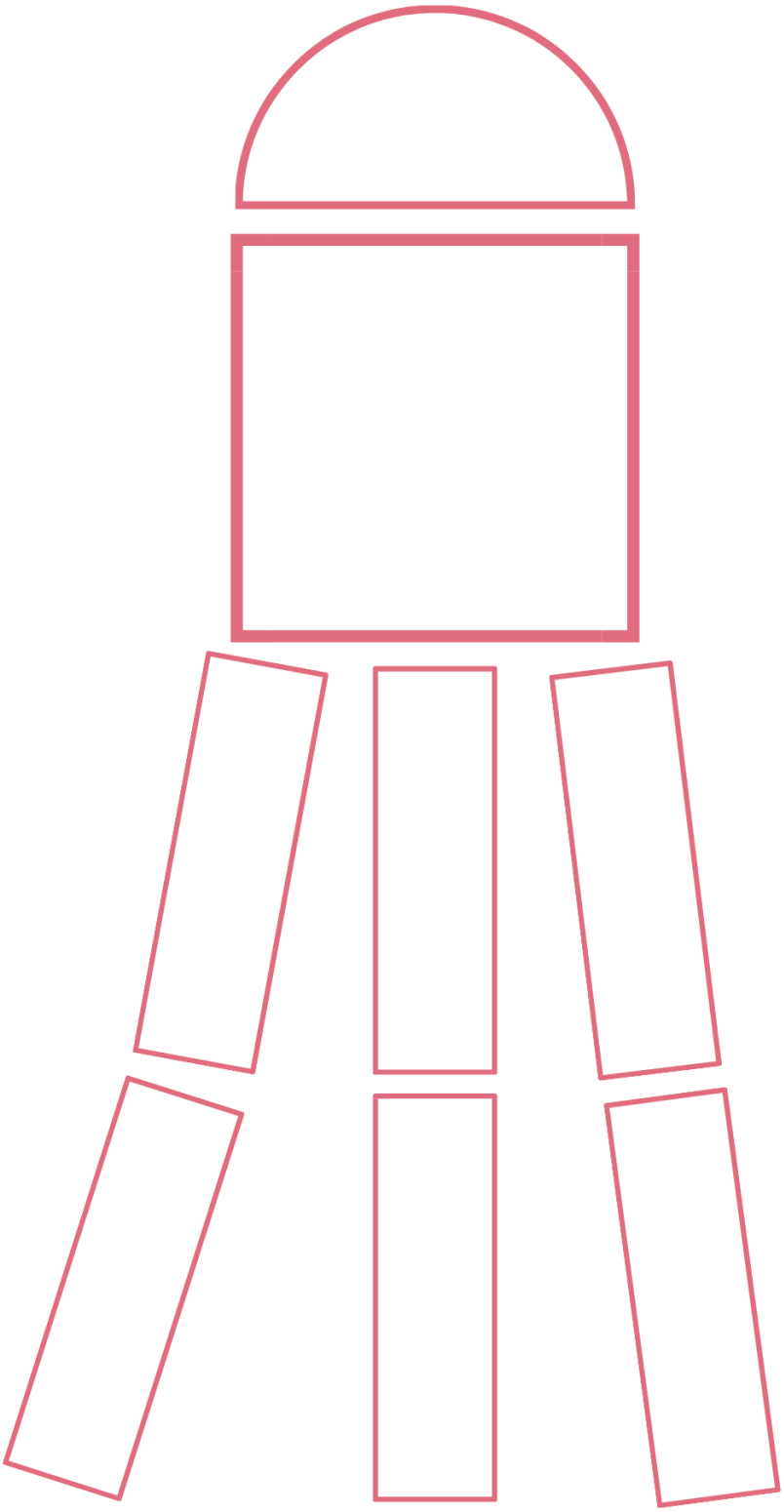




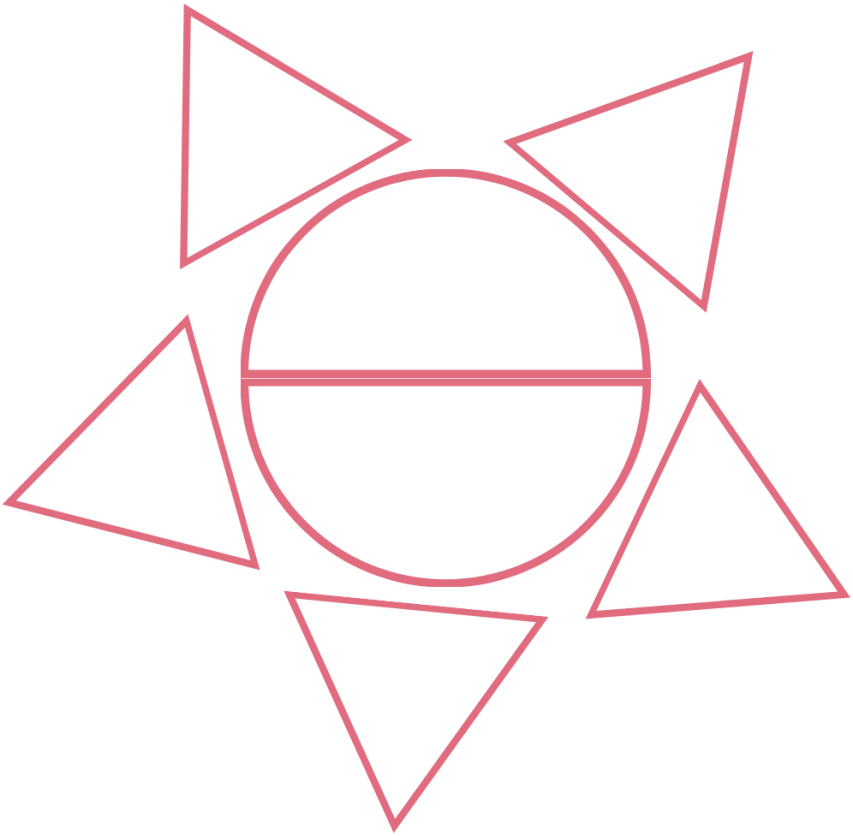
de maanvis



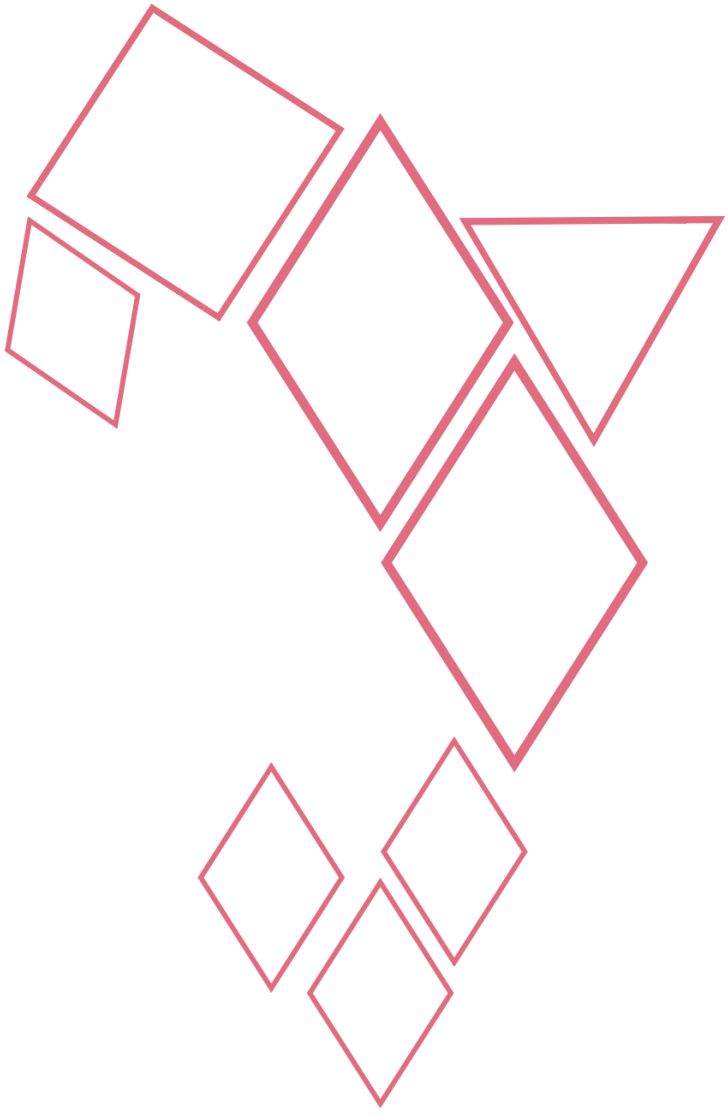
de inktvis



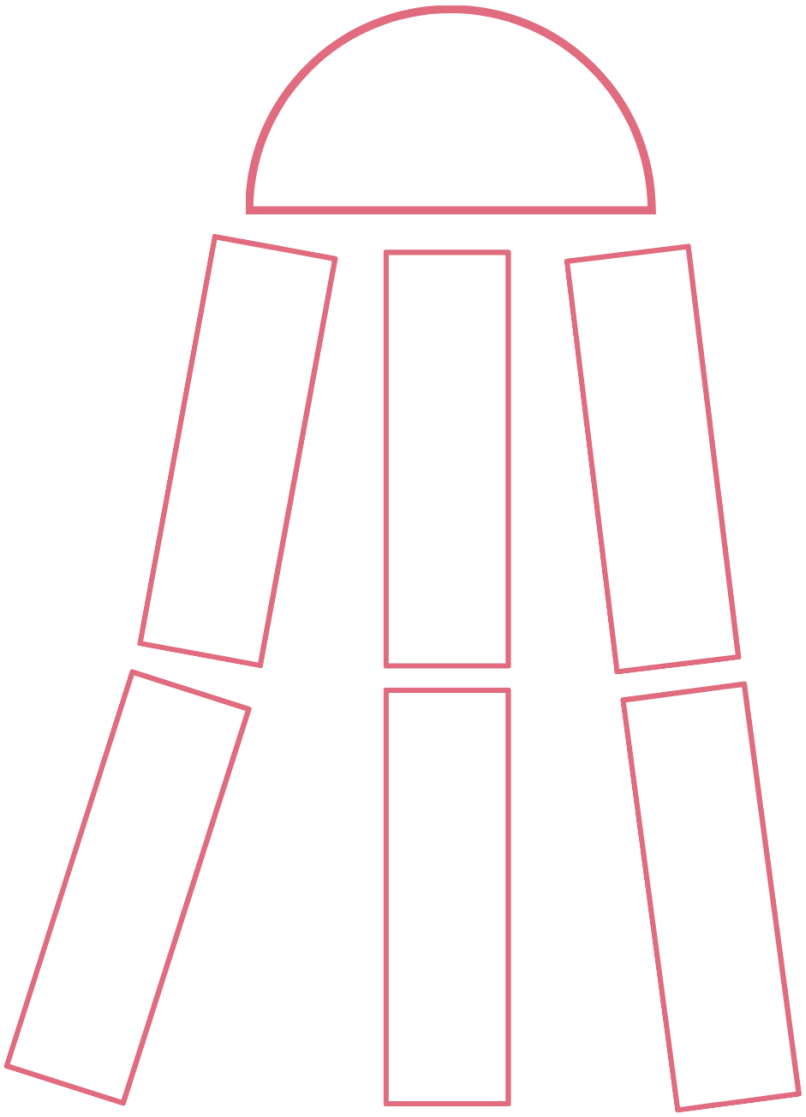
de zeester



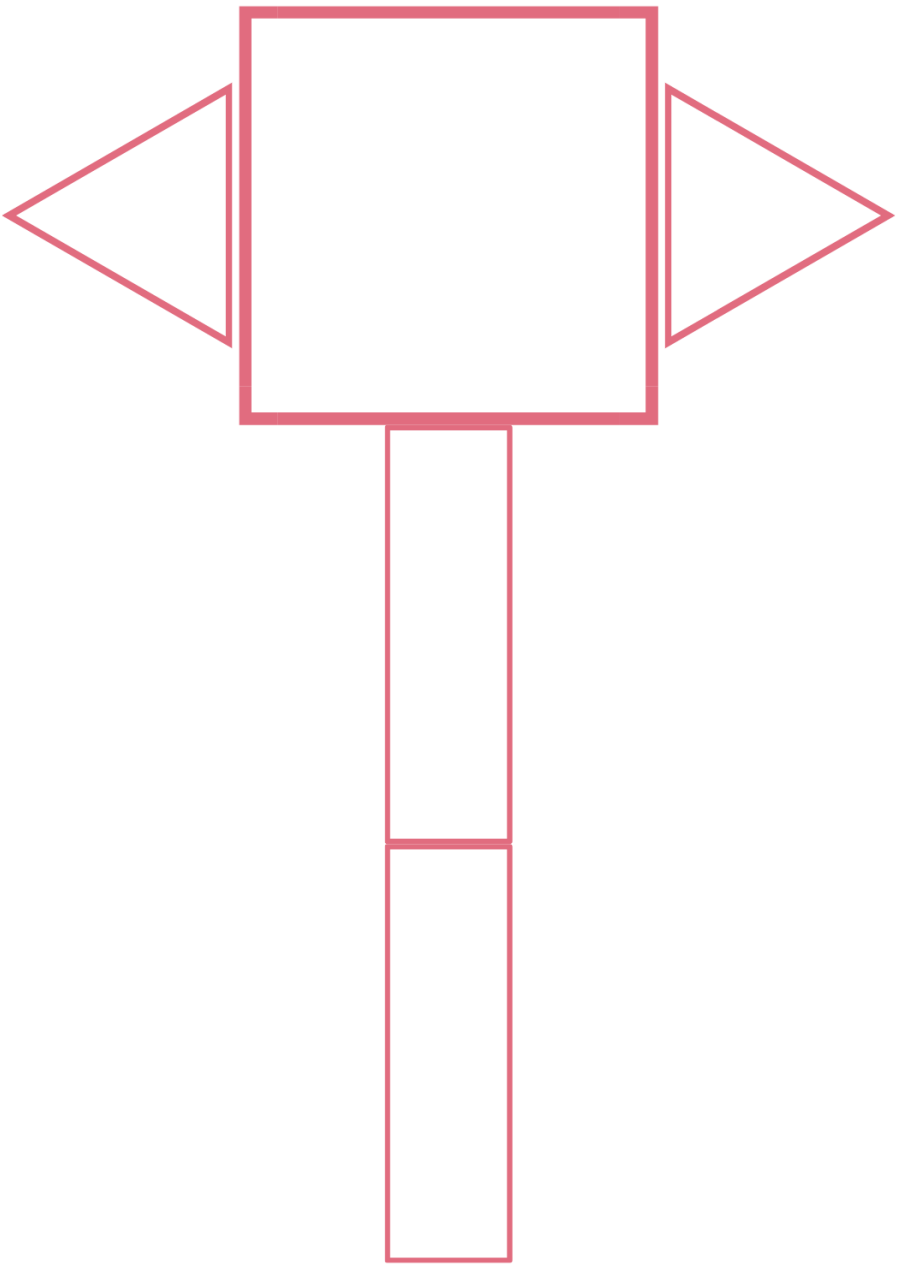
het zeepaardje



de kwal



de rog



Week 4

Gecamoufleerde octopus

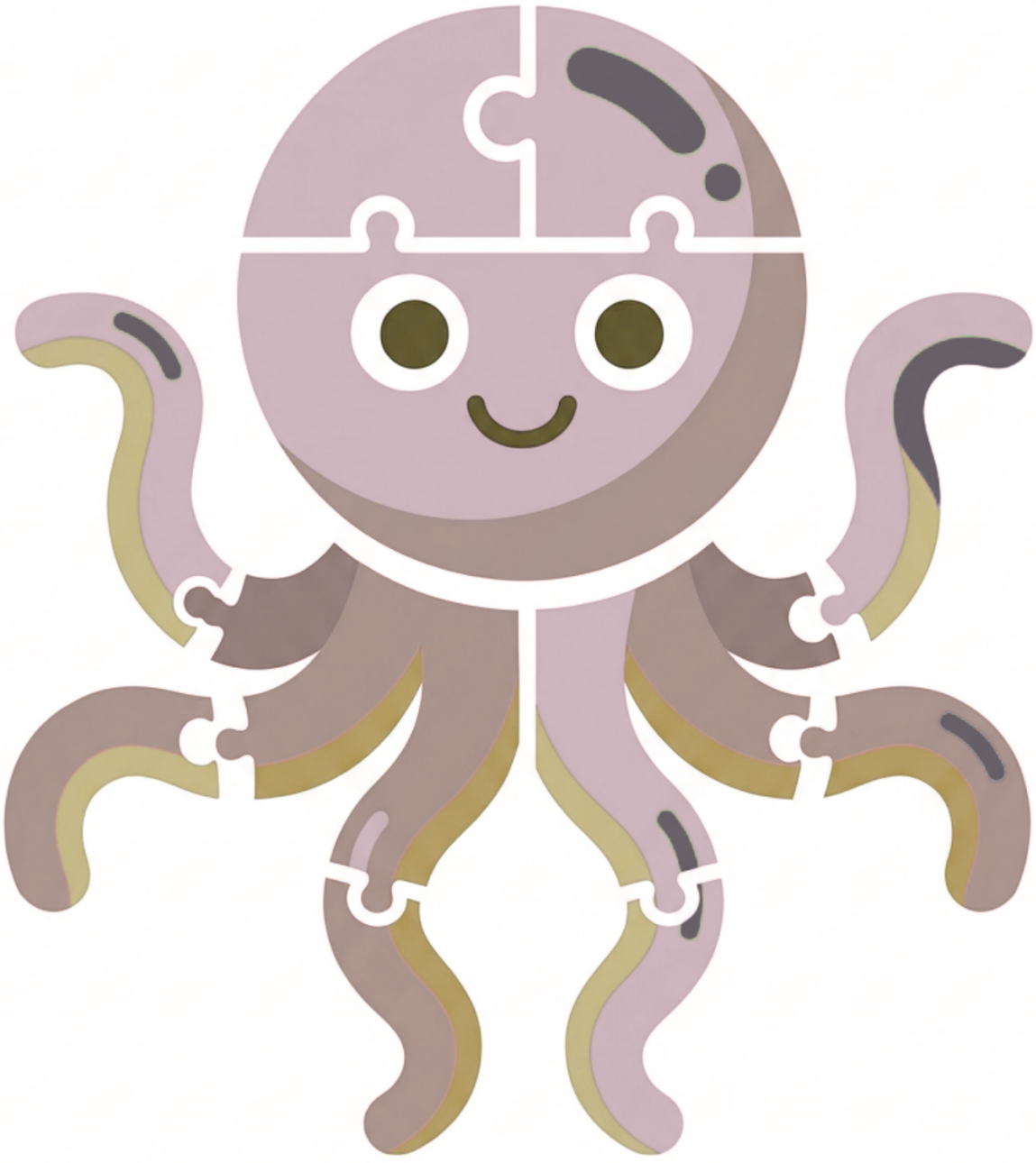




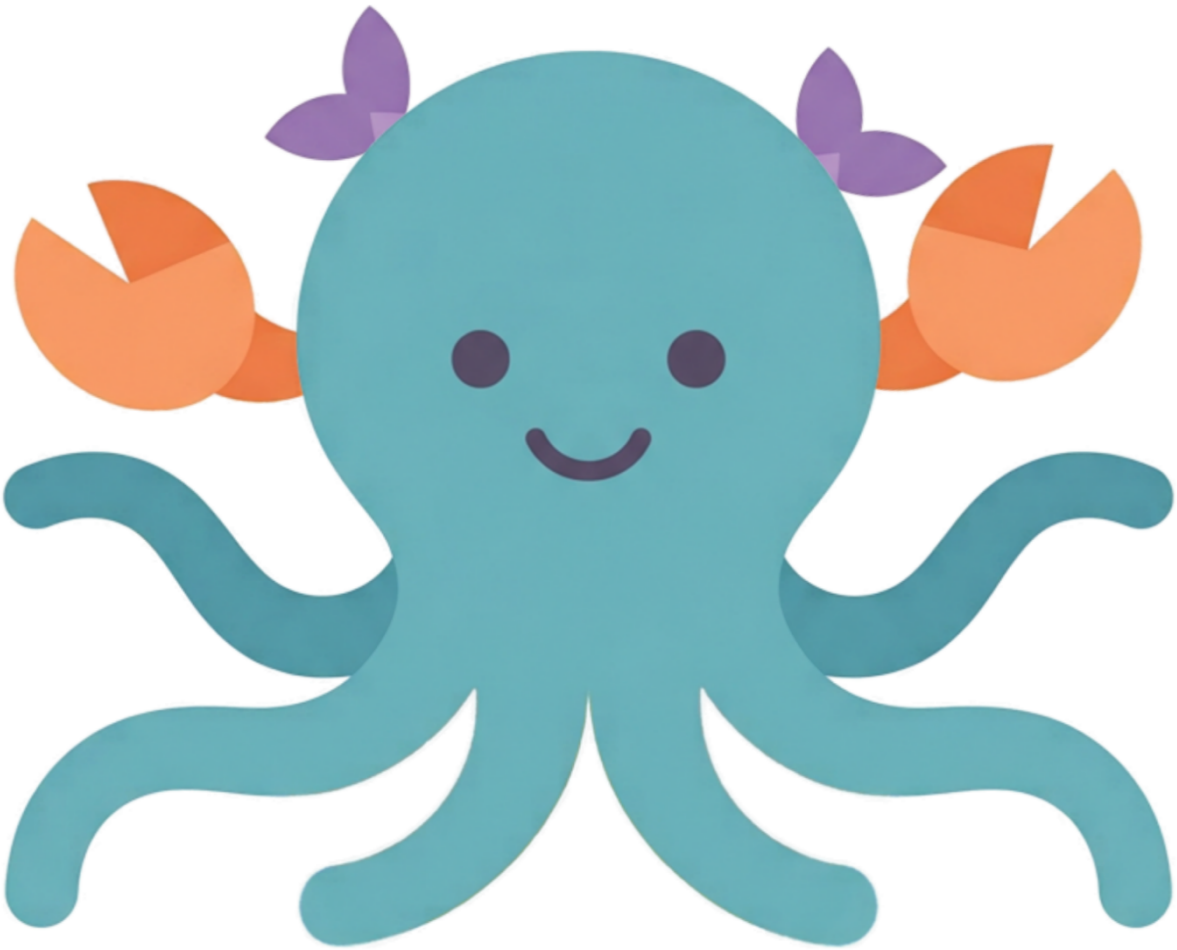
Foto octopus



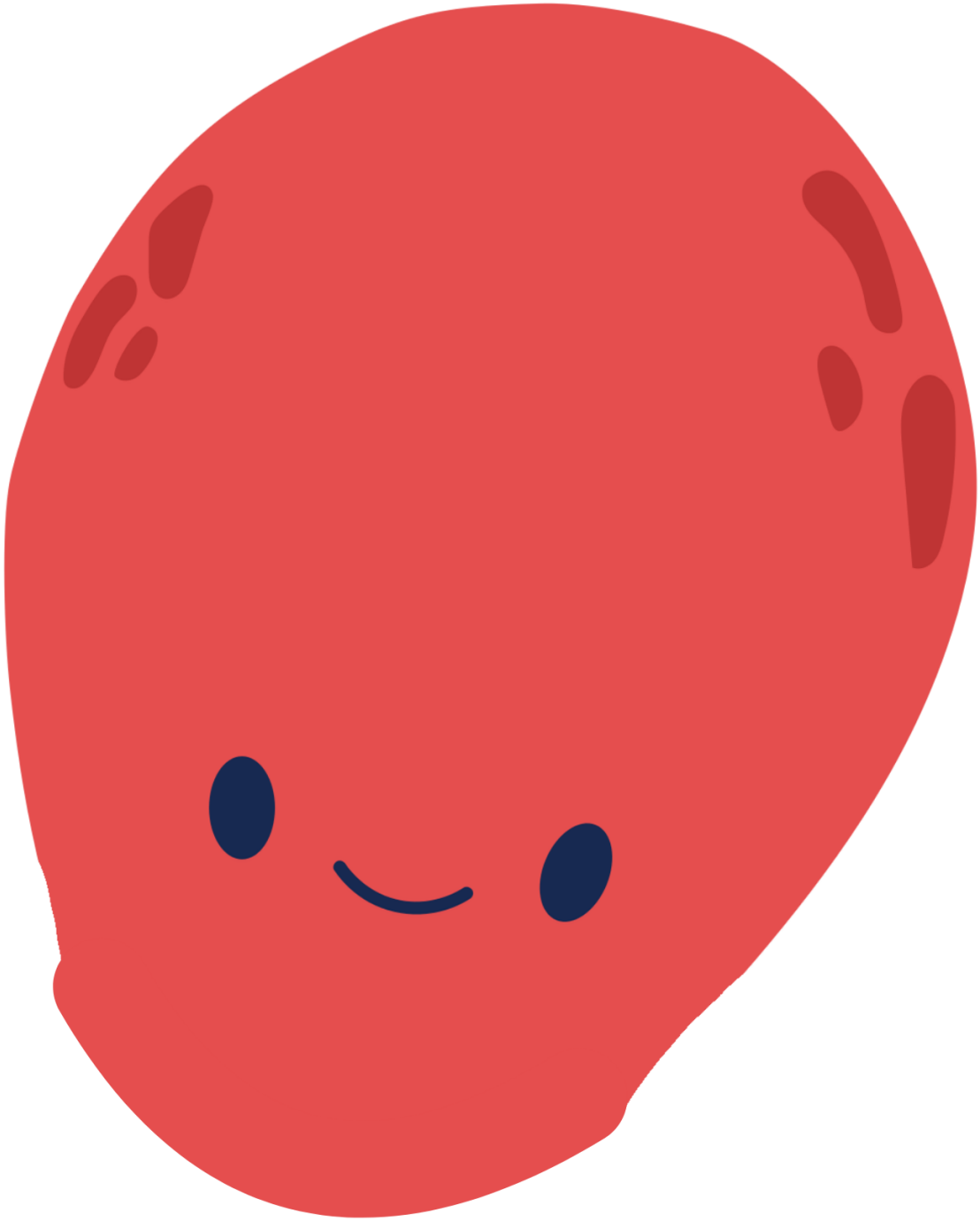
Puzzel octopus



Niet kloppende octopus



Lijf octopus



Deelthema 2: We redden de oceaan!

Zeedierenweetjes






Wist je dat koraal
eigenlijk geen plant is?


Wist je dat plastic soms
honderden jaren in de natuur
blijft liggen?

Week 5

Praatplaat zeevogelopvang



Plaatjes op volgorde









Rollenkaartjes



de vogelvinder



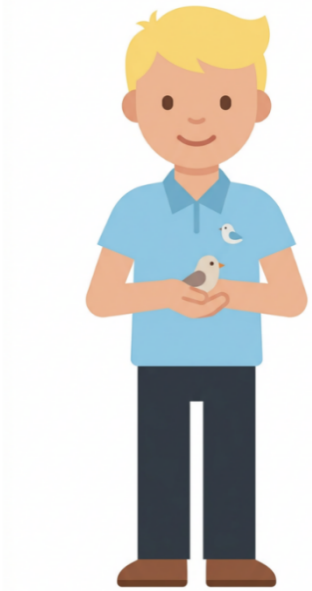
de vogelvinder



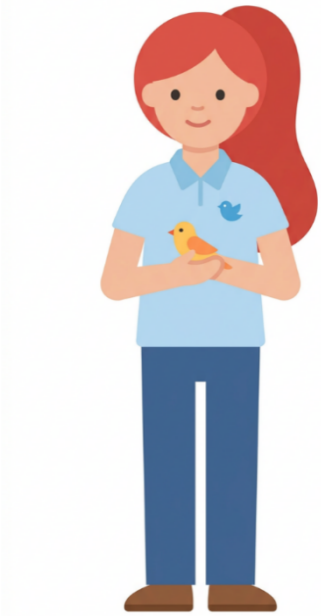
de dierenarts



de dierenarts



de verzorger



de verzorger

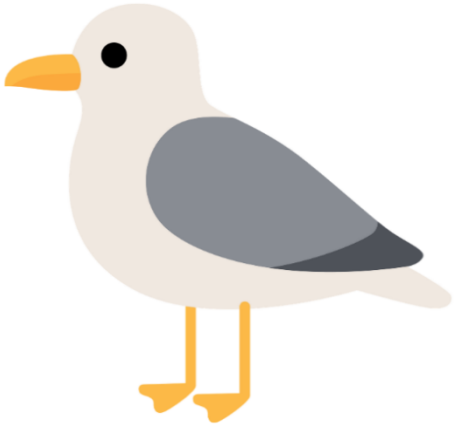


de assistent



de assistent

DE NOORDWIJKSE METHODE



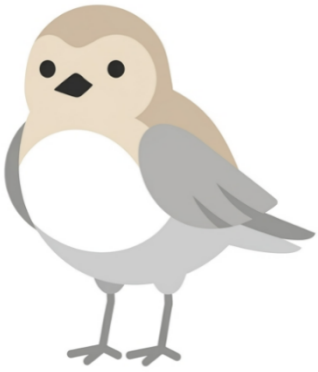
de meeuw



de stern

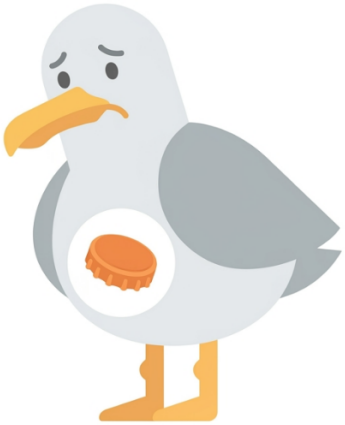


de pinguïn



de strandloper

de meeuw heeft een dopje ingeslikt



een stern zit vast in visdraad



de jonge meeuw is verdwaald



de pinguïn heeft olie op zijn veren



de strandloper is uitgeput



Opvangkaart

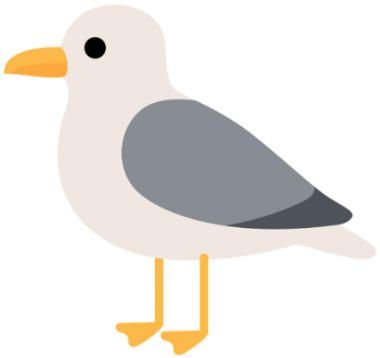
Opvangkaart

Soort vogel:

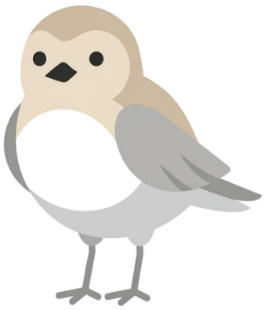
Probleem:

Behandeling:

Zeevogel memorie



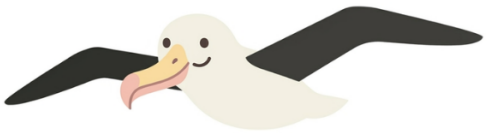
de meeuw



de strandloper



de lepelaar



de albatros



de pinguïn



de stern



de kluut



de grutto



de scholekster



de aalscholver



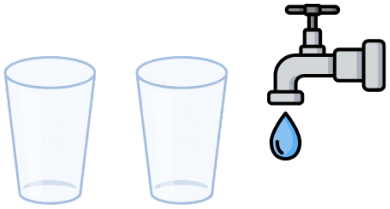
de tureluur



de wulp

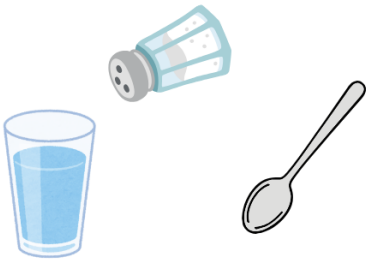
Drijven en zinken

1



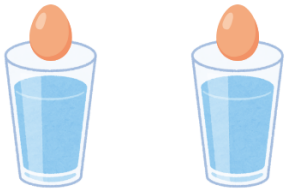
2 glazen vullen

2



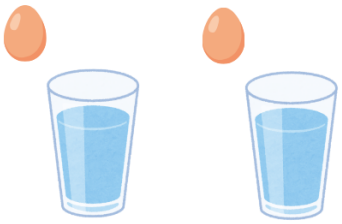
1 glas met zout mengen

3



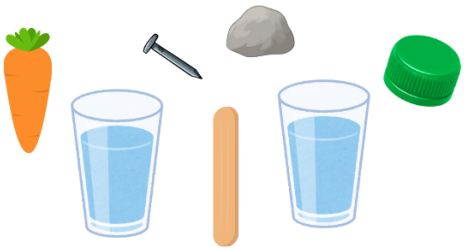
1 ei in elk glas

4



eieren uit de glazen halen

5



met andere spullen testen

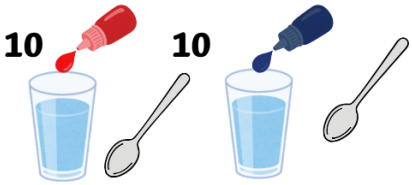
Zoet en zout water mengen

1



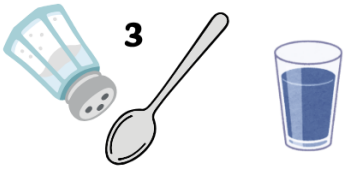
2 glazen vullen

2



10 druppels van elke kleur in het glas mengen

3



3 eetlepels zout in het blauwe water

4



schenk een beetje blauw water in een leeg glas

5



met een pipet rood bij blauw water doen

6



schenk een beetje rood water in een leeg glas

7



met een pipet blauw bij rood water doen

Onderzoeksblad
Drijven en zinken

1 **Ik voorspel:**



het ei...
- ☐ zinkt
- ☐ drijft

zoet



het ei...
- ☐ zinkt
- ☐ drijft

zout

---

2 **Ik onderzoek:**



zoet



zout

	zinkt / drijft	zinkt / drijft
	zinkt / drijft	zinkt / drijft
	zinkt / drijft	zinkt / drijft
	zinkt / drijft	zinkt / drijft
	zinkt / drijft	zinkt / drijft
	zinkt / drijft	zinkt / drijft

---

3 **Ik ontdek:**

In zout water blijven meer / minder voorwerpen drijven dan in zoet water.

Onderzoeksblad
Zoet en zout water mengen

1

Ik voorspel:





2

Ik zie:



3

Ik voorspel::





4

Ik zie:



5

Ik ontdek:

Zoet water blijft _____ op zout water.

Zout water zakt _____ het zoet water.

Week 7

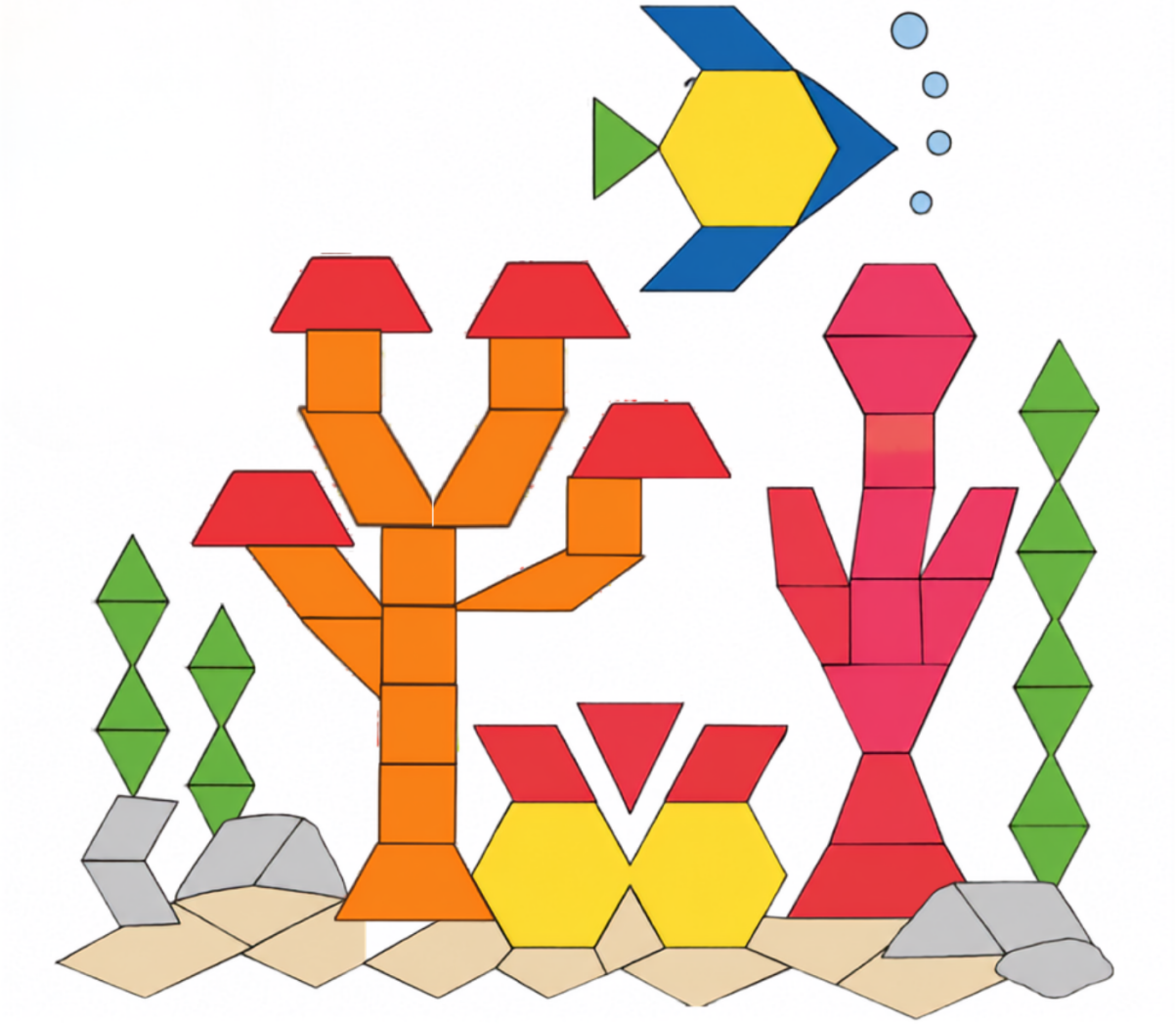
Kijkplaat van het koraal



Patroonblokken koraal

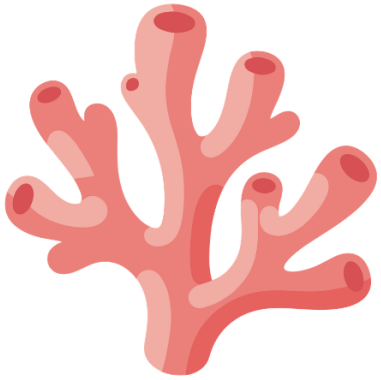
PATROONBLOKKEN KORAALRIF

Gebruik patroonblokken om het koraalrif na te maken!



Rekenkaarten koraal

1



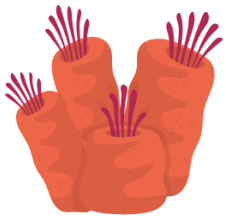
2

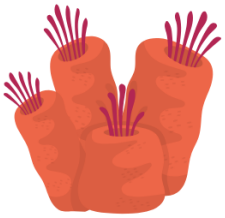




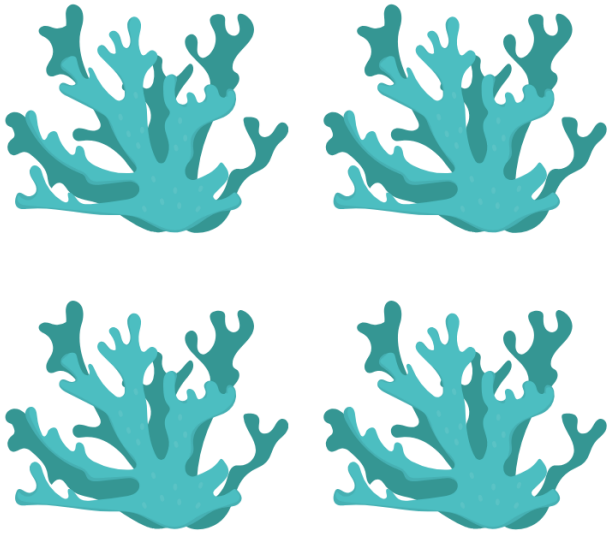
3



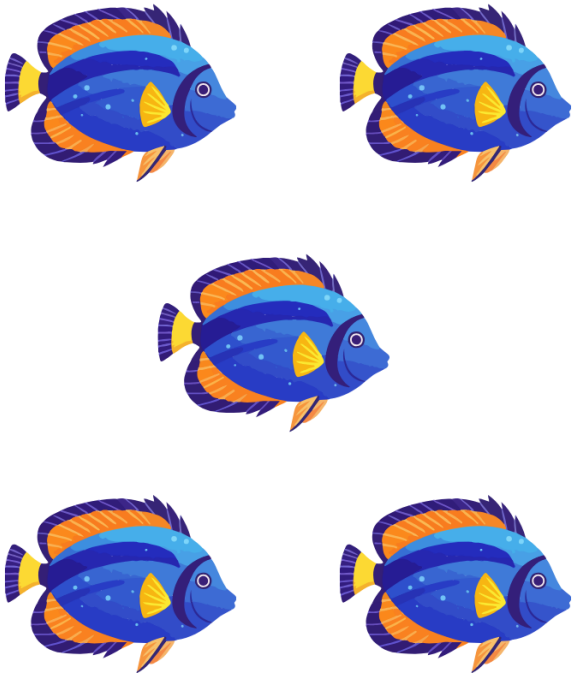




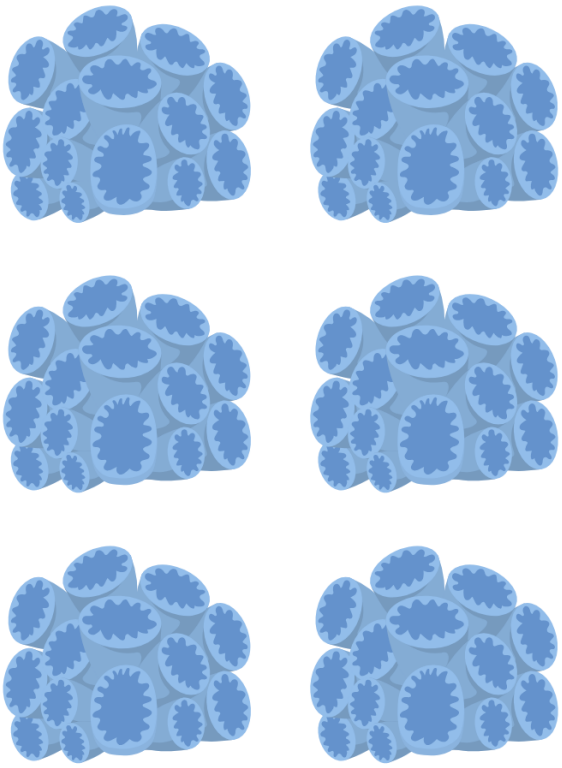
4



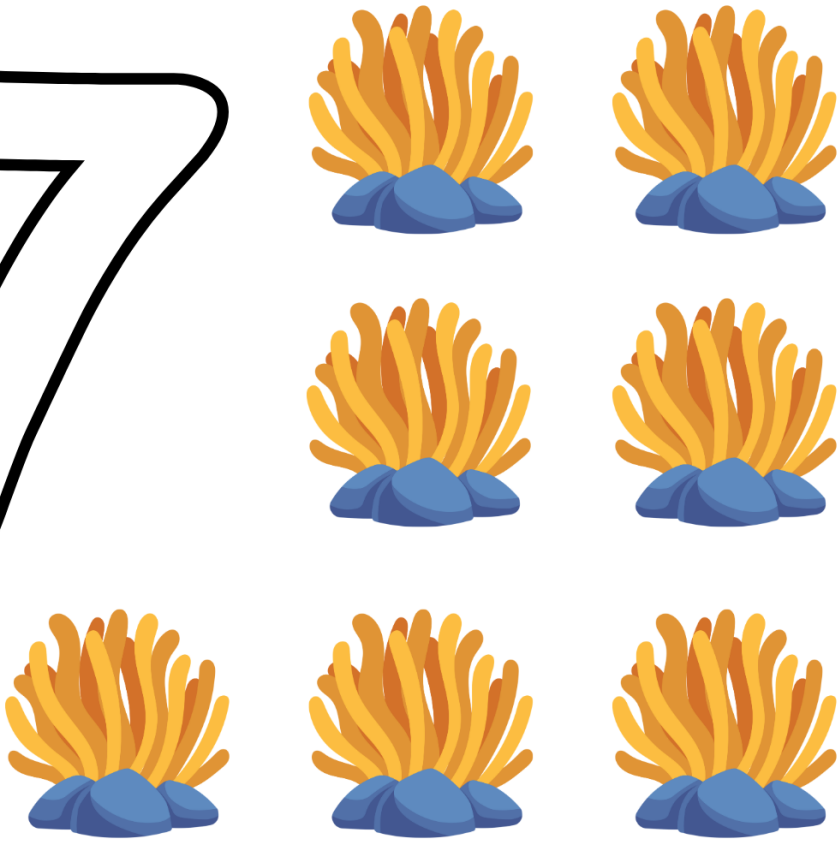
5



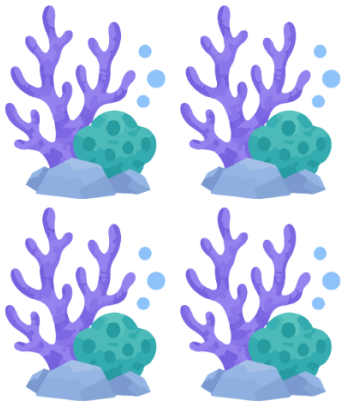
6

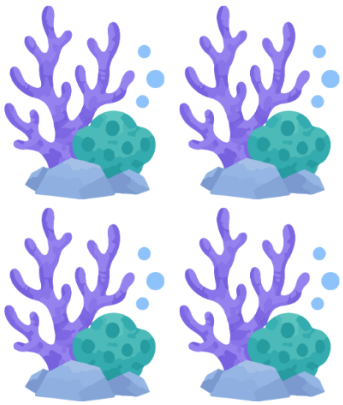


7



8

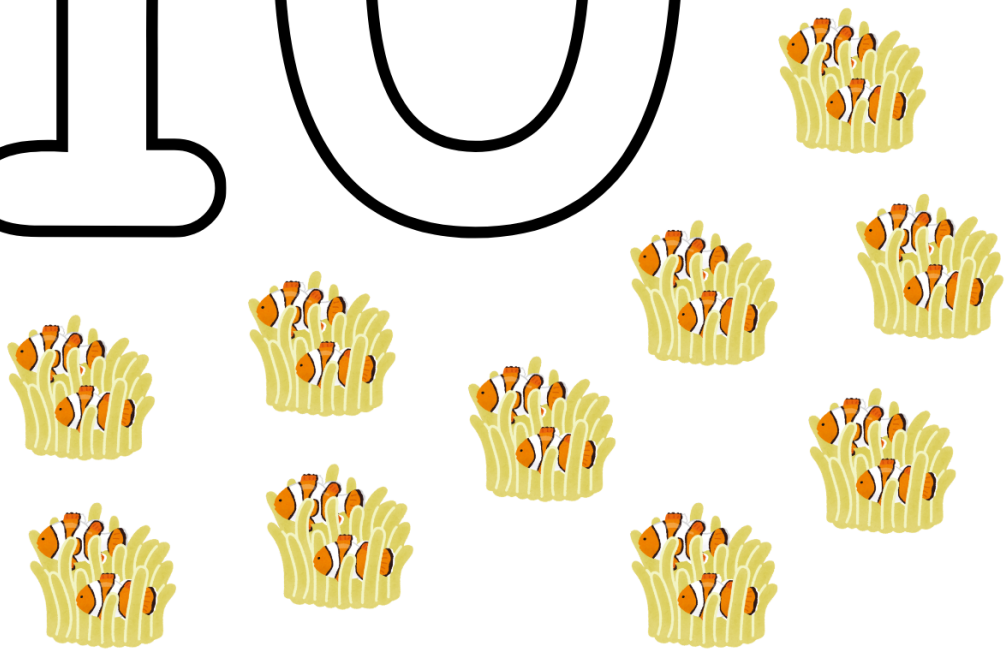




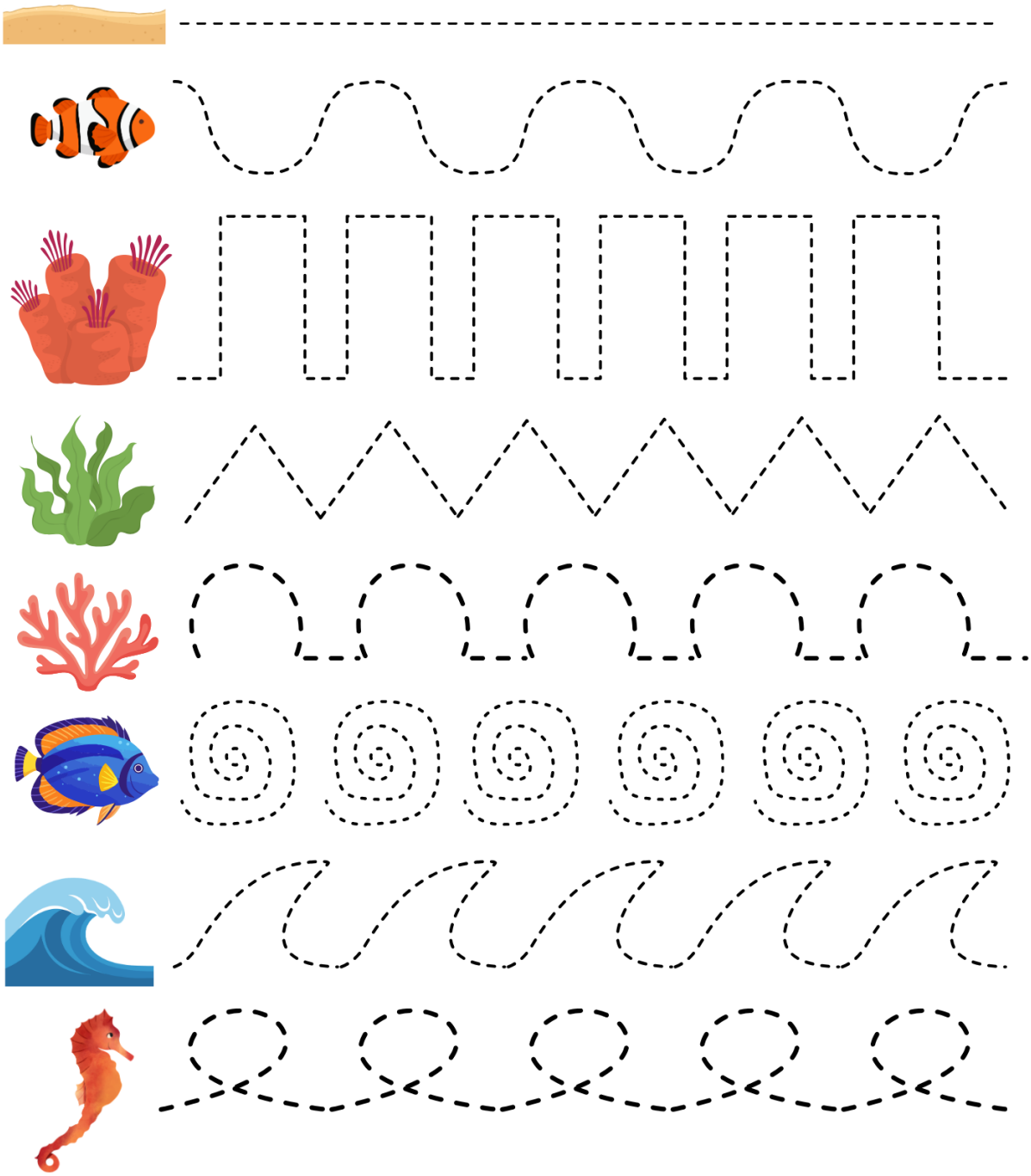
9



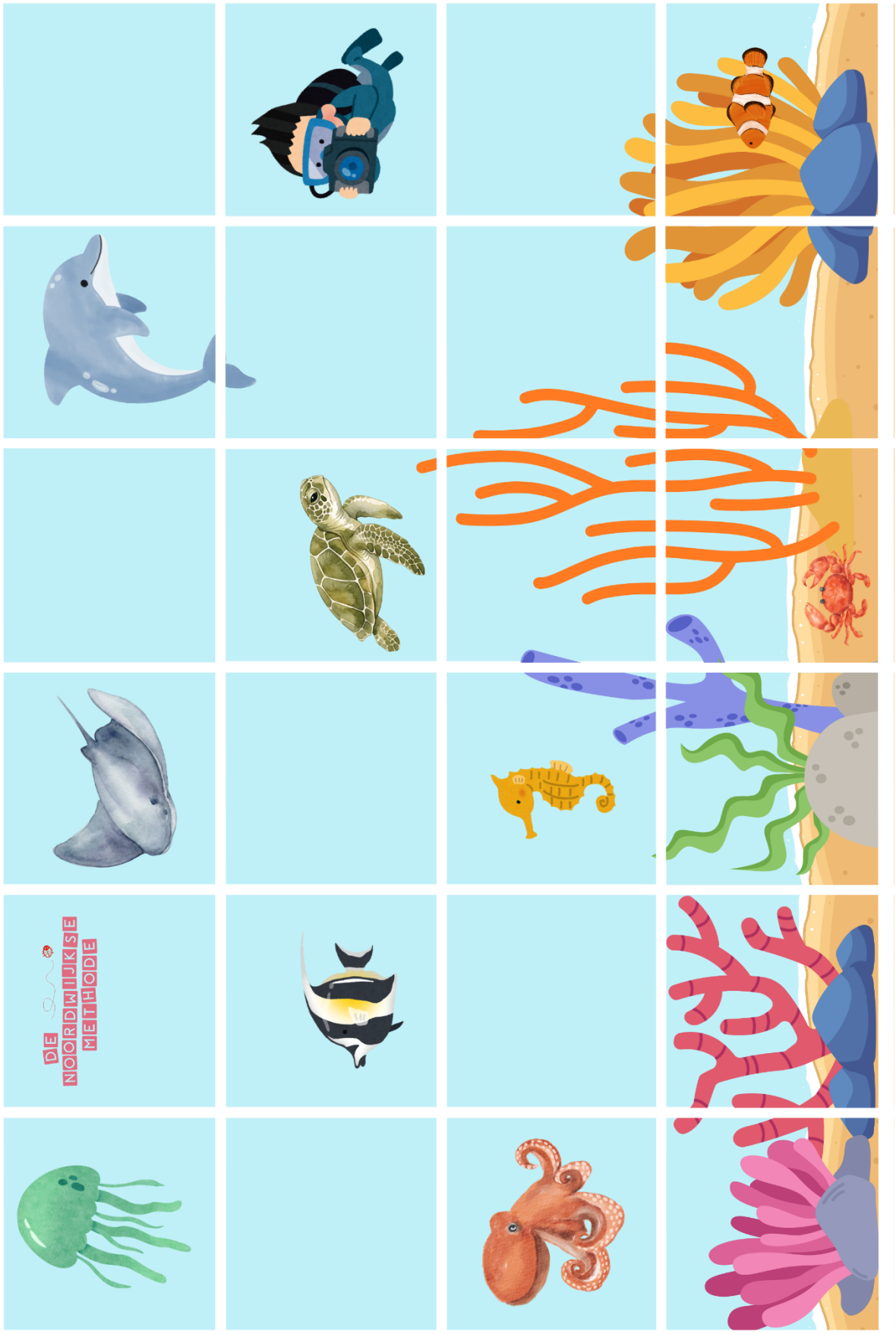
10



Trek de lijn over



Beebotmat koraal



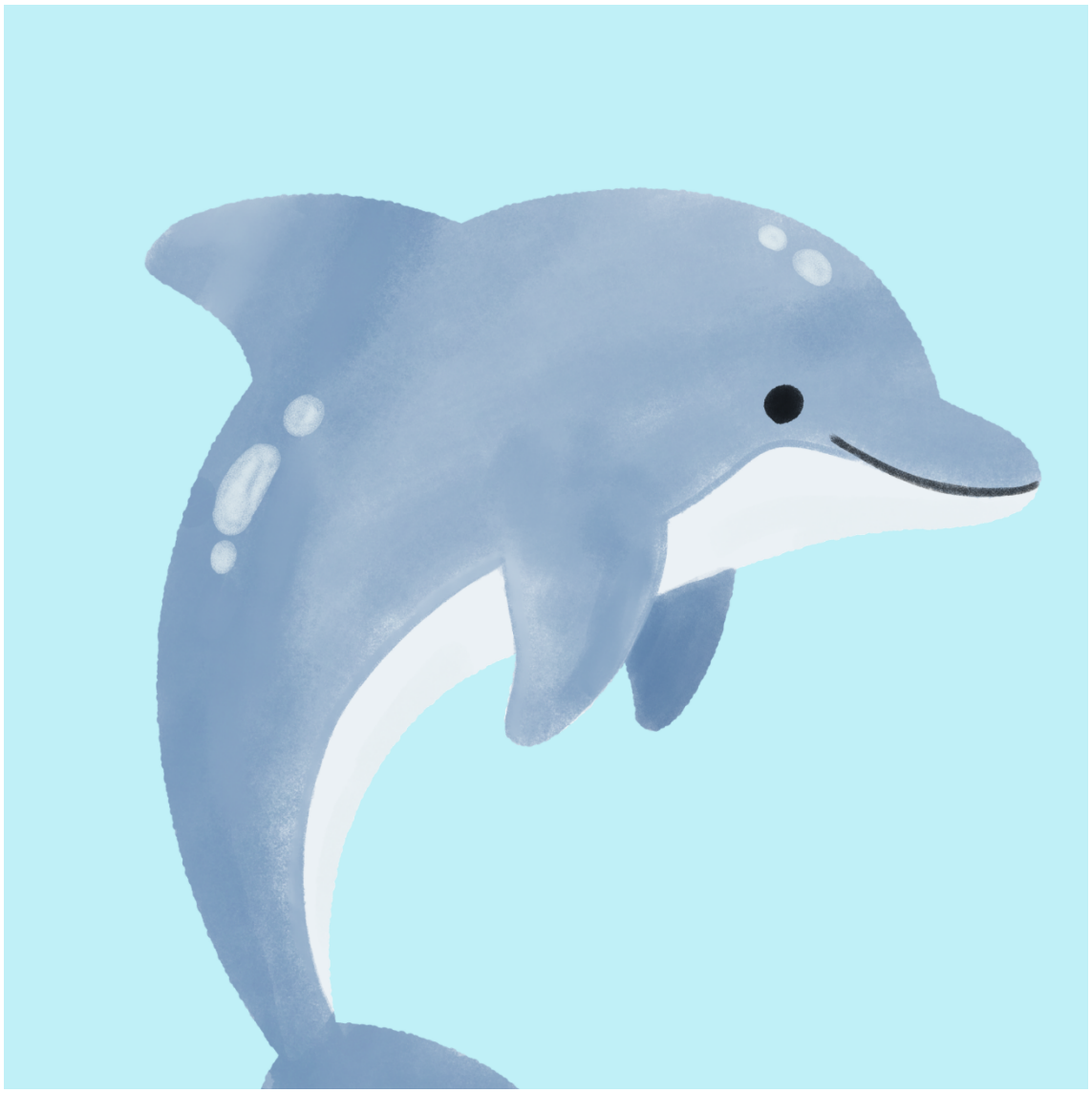
DE NOORDWIJKSE METHODE

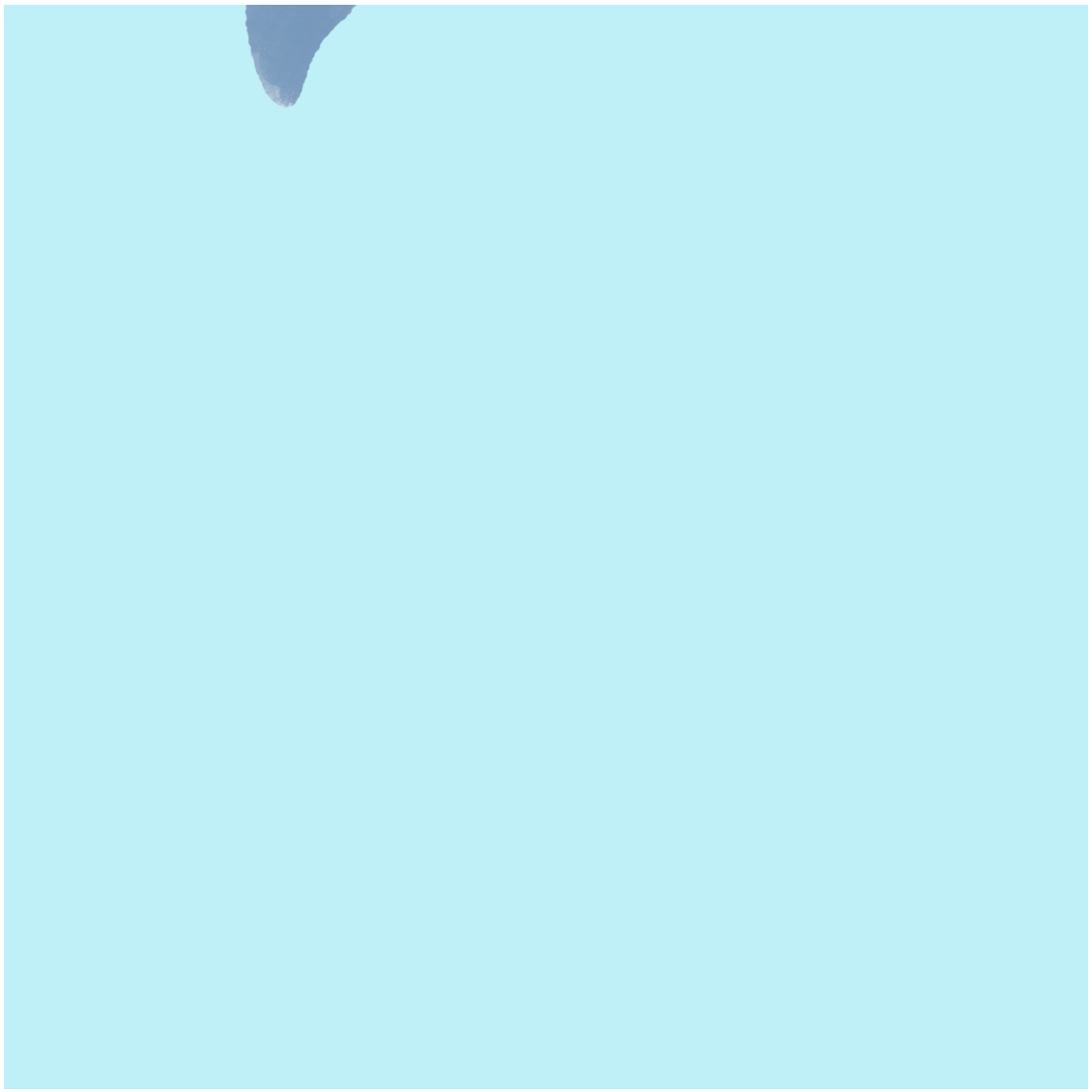
Opdrachtenkaartjes Beebot thema Oceanen




DE
NOORDWIJKSE
METHODE



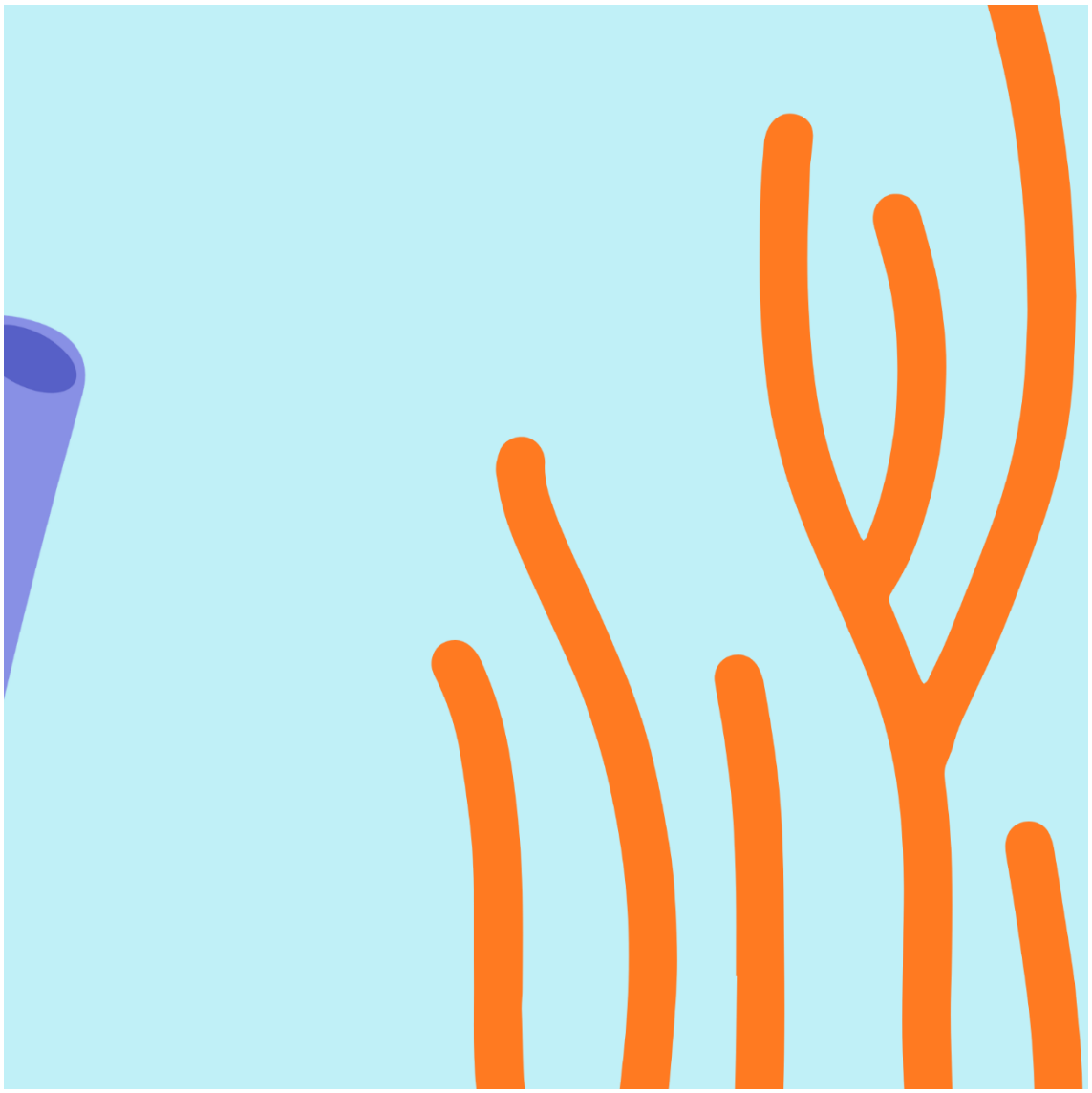


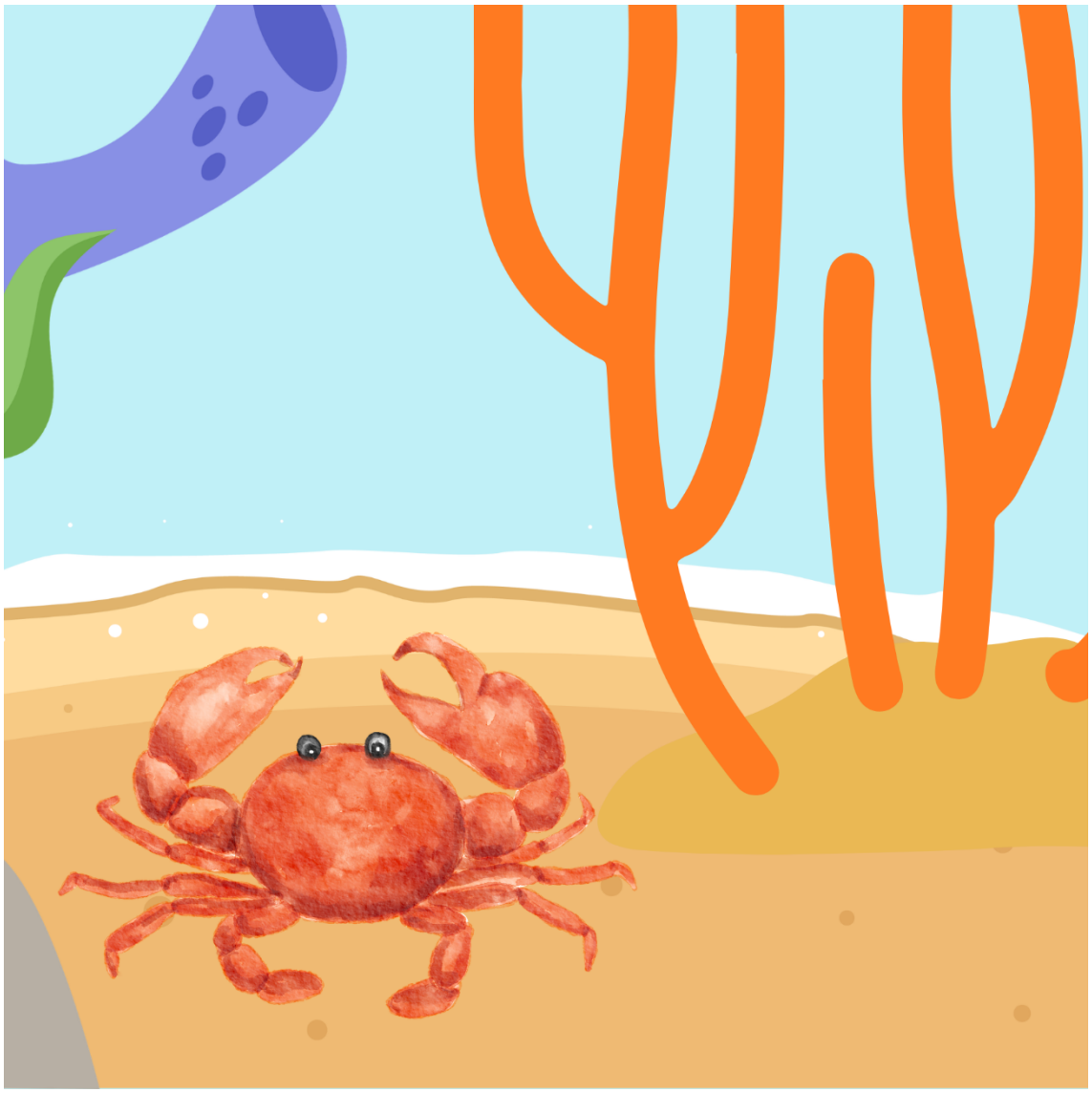


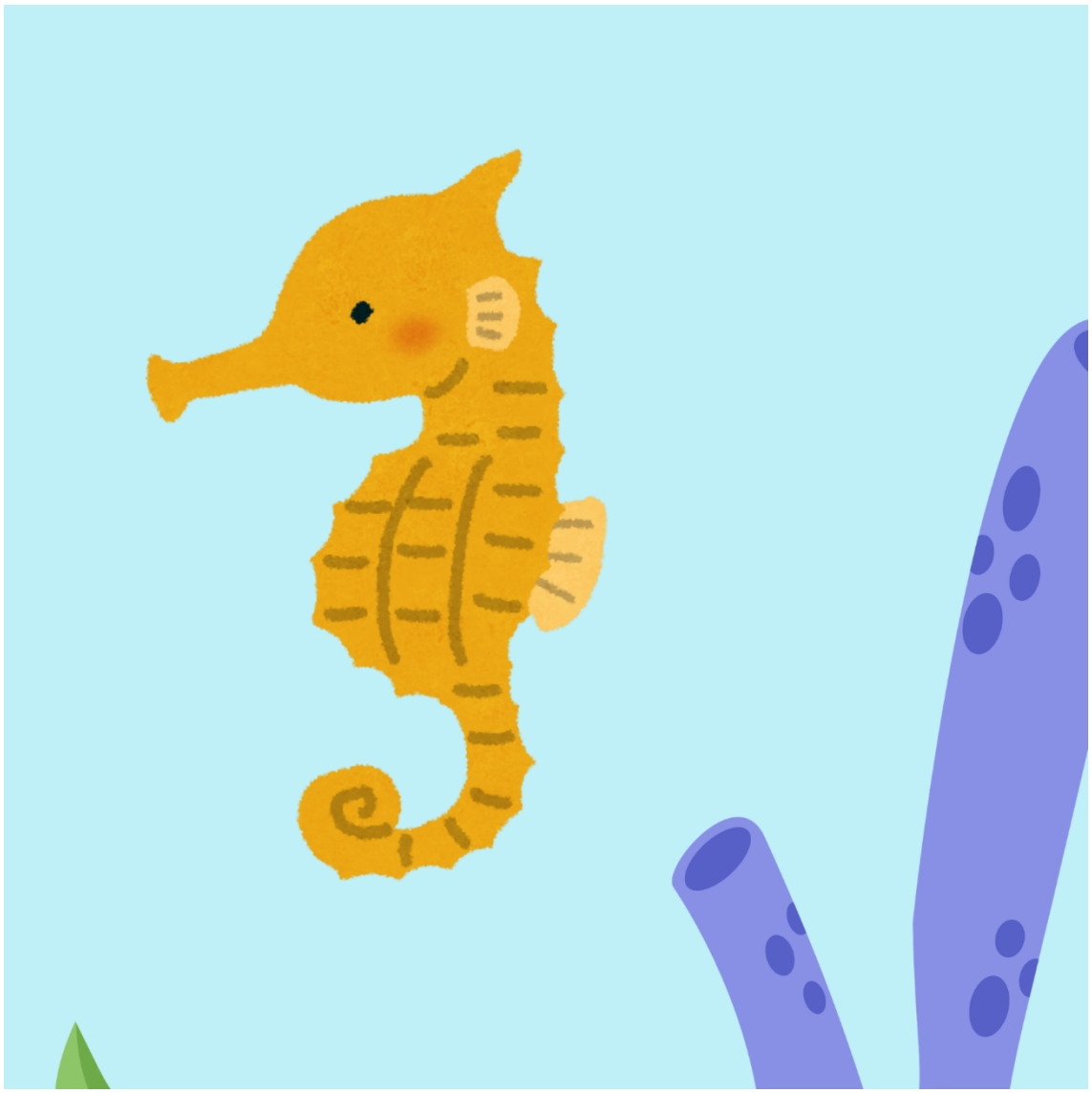


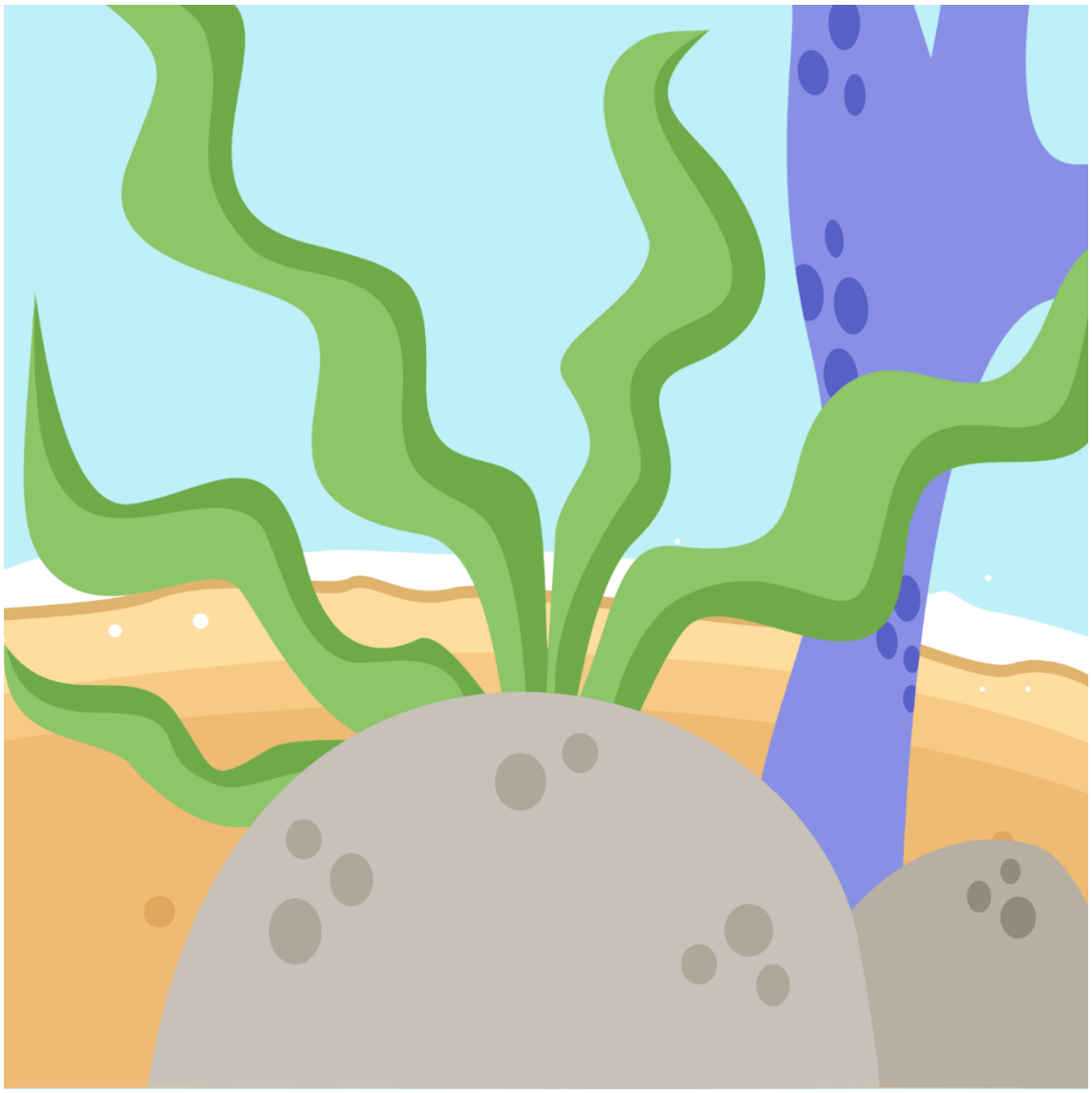




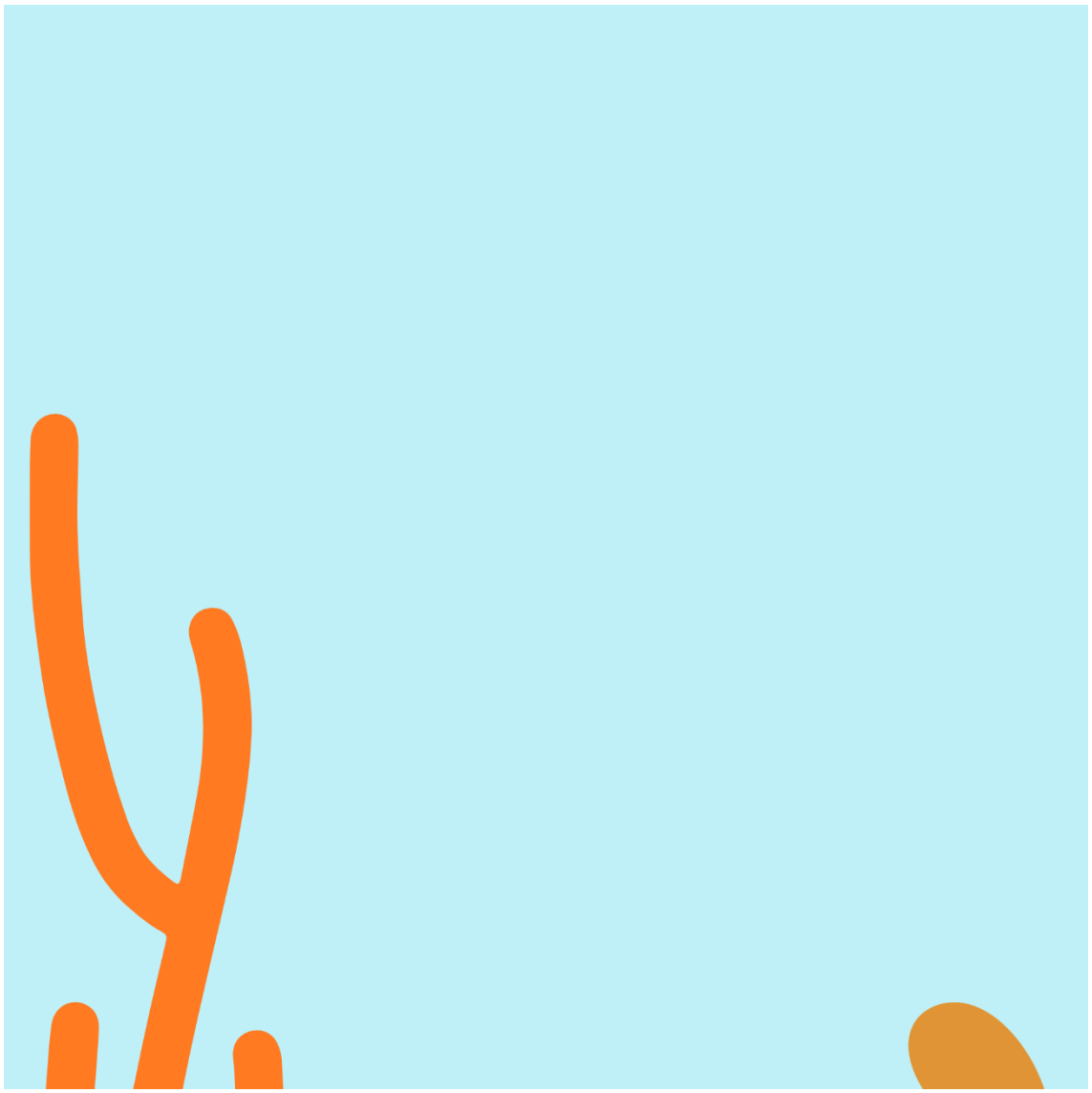


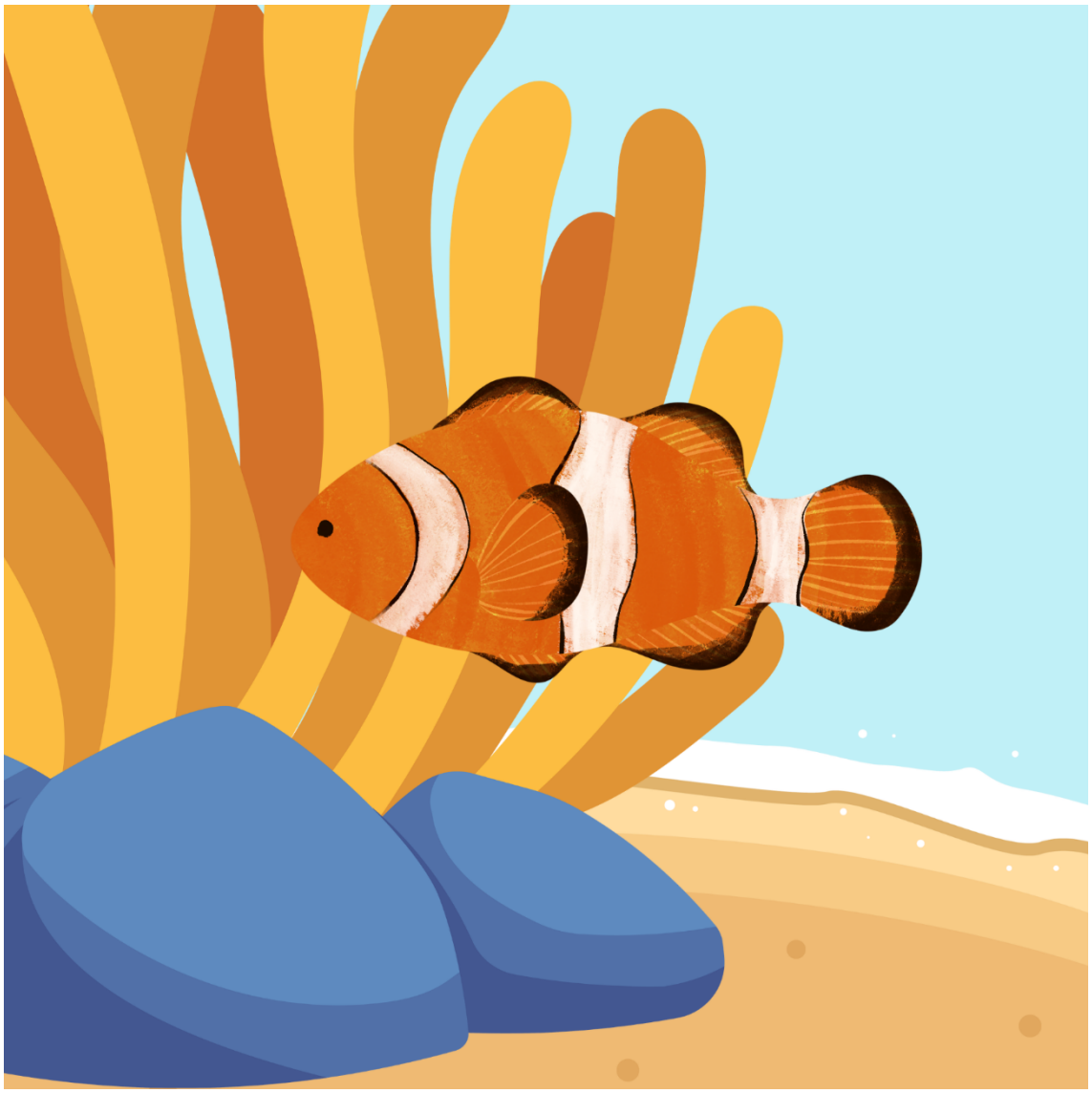


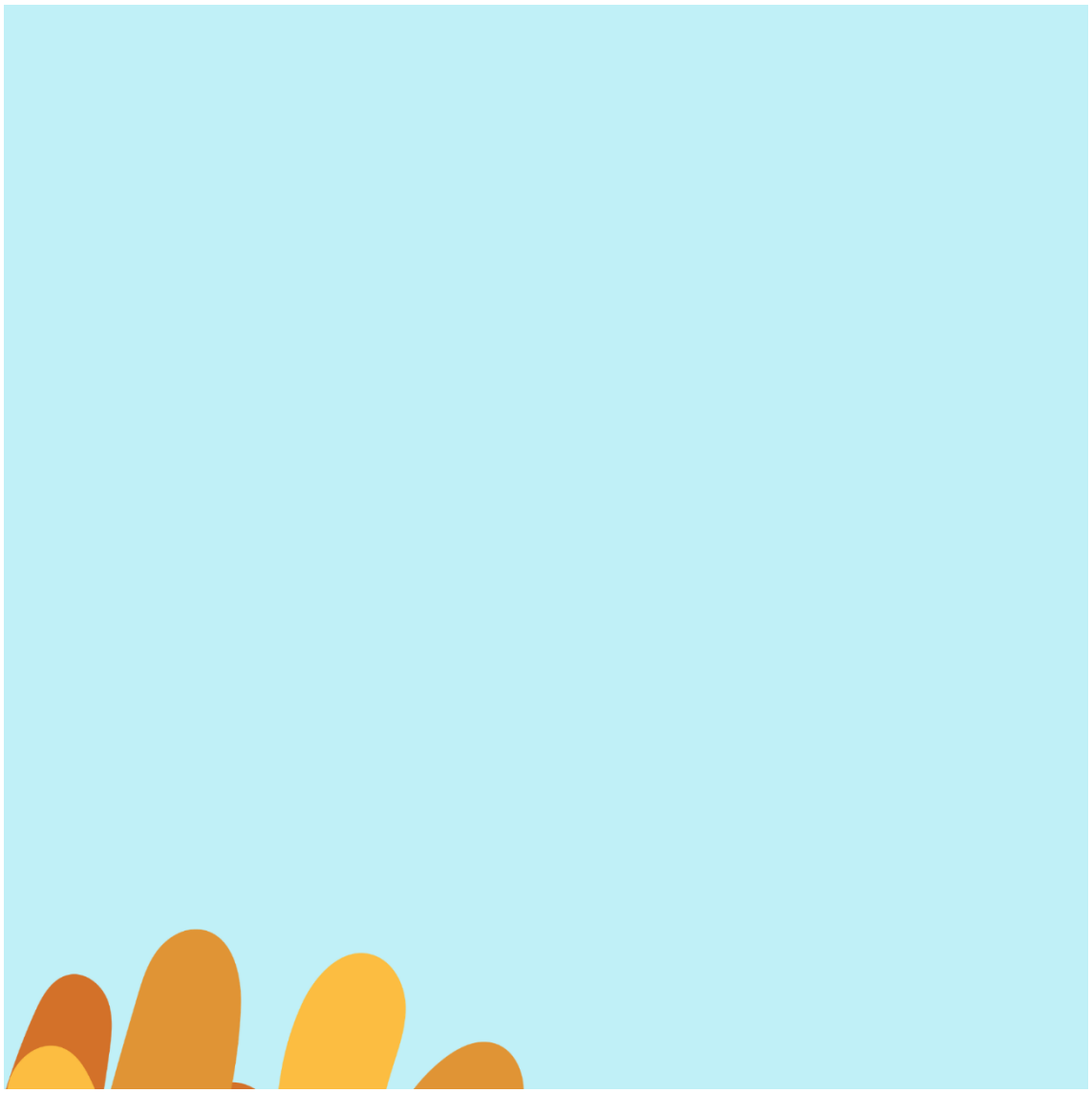


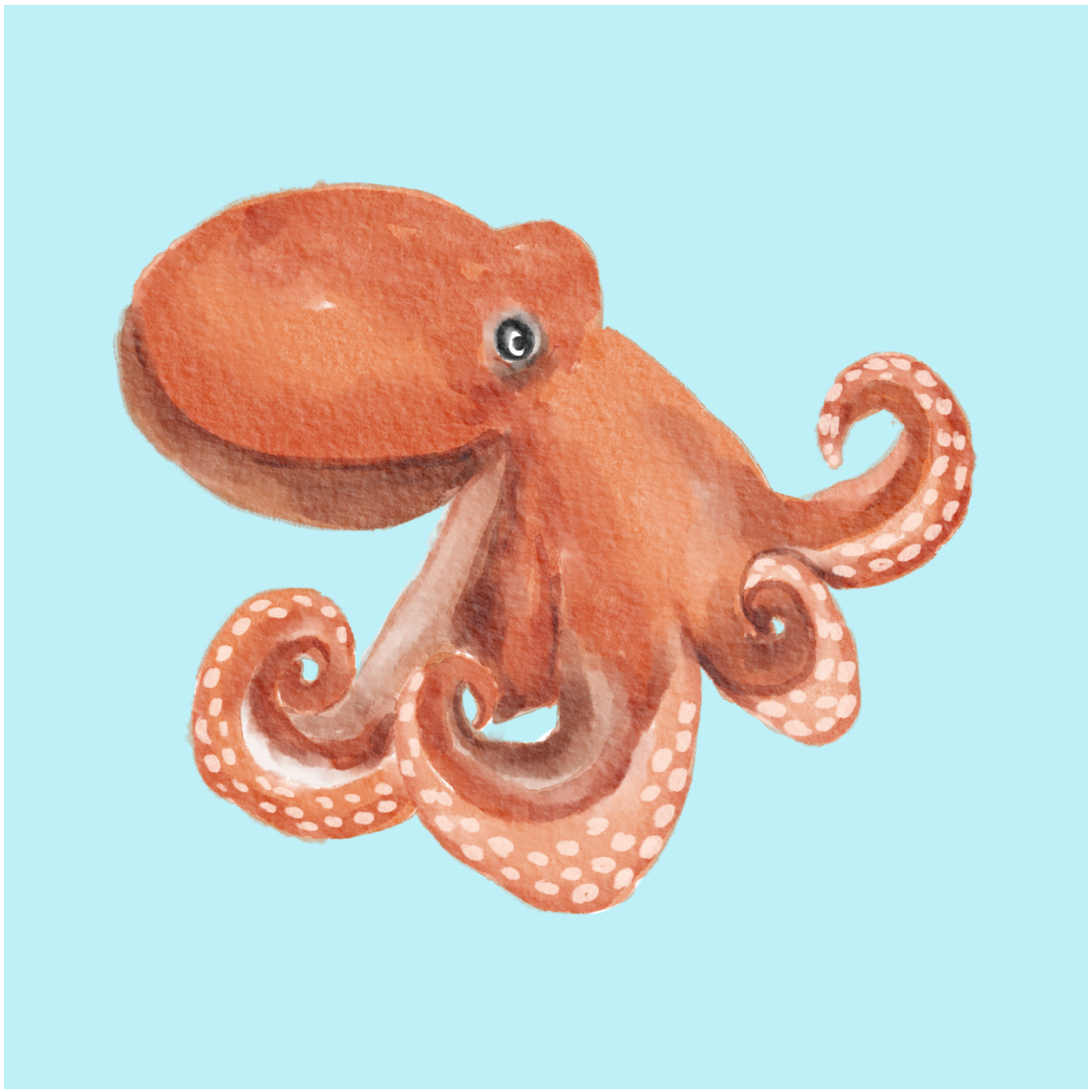




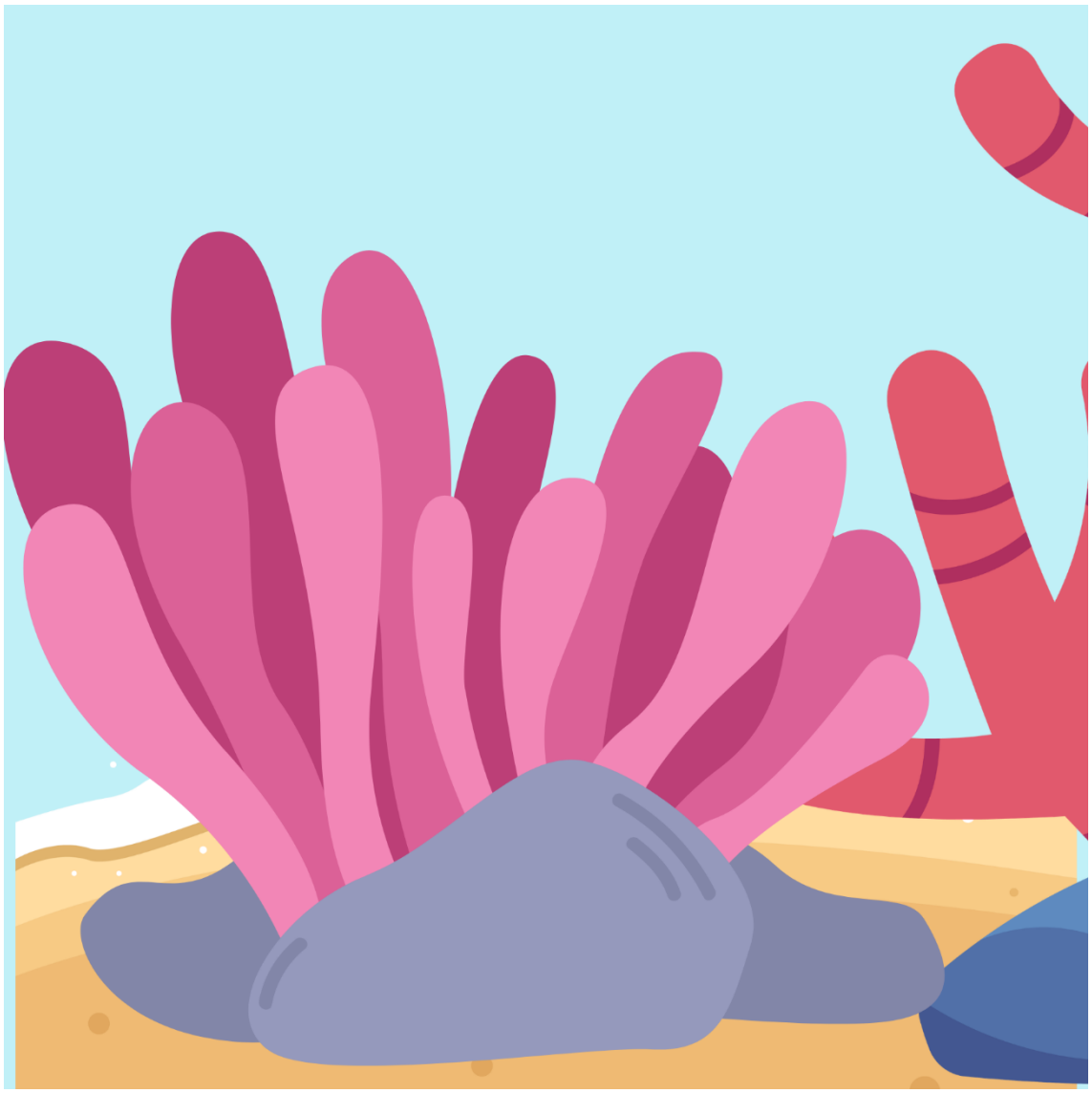












Week 8

Patroonkaart plastic soep

Plastic soep



Stempelkaart



d o p



t a s



f l e s



b a k

Stempelkaart



t a s



f l e s



b a k



p e n

DE NOORDWIJKSE METHODE

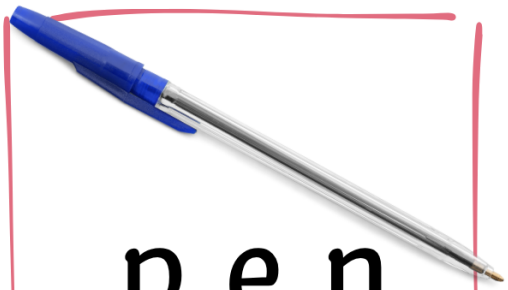
Stempelkaart



f l e s



b a k



p e n



k a m

Stempelkaart



b a k



p e n



k a m



d o p

Stempelkaart



p e n

k a m



d o p



t a s

DE NOORDWIJKSE METHODE

Stempelkaart



k a m



d o p



t a s



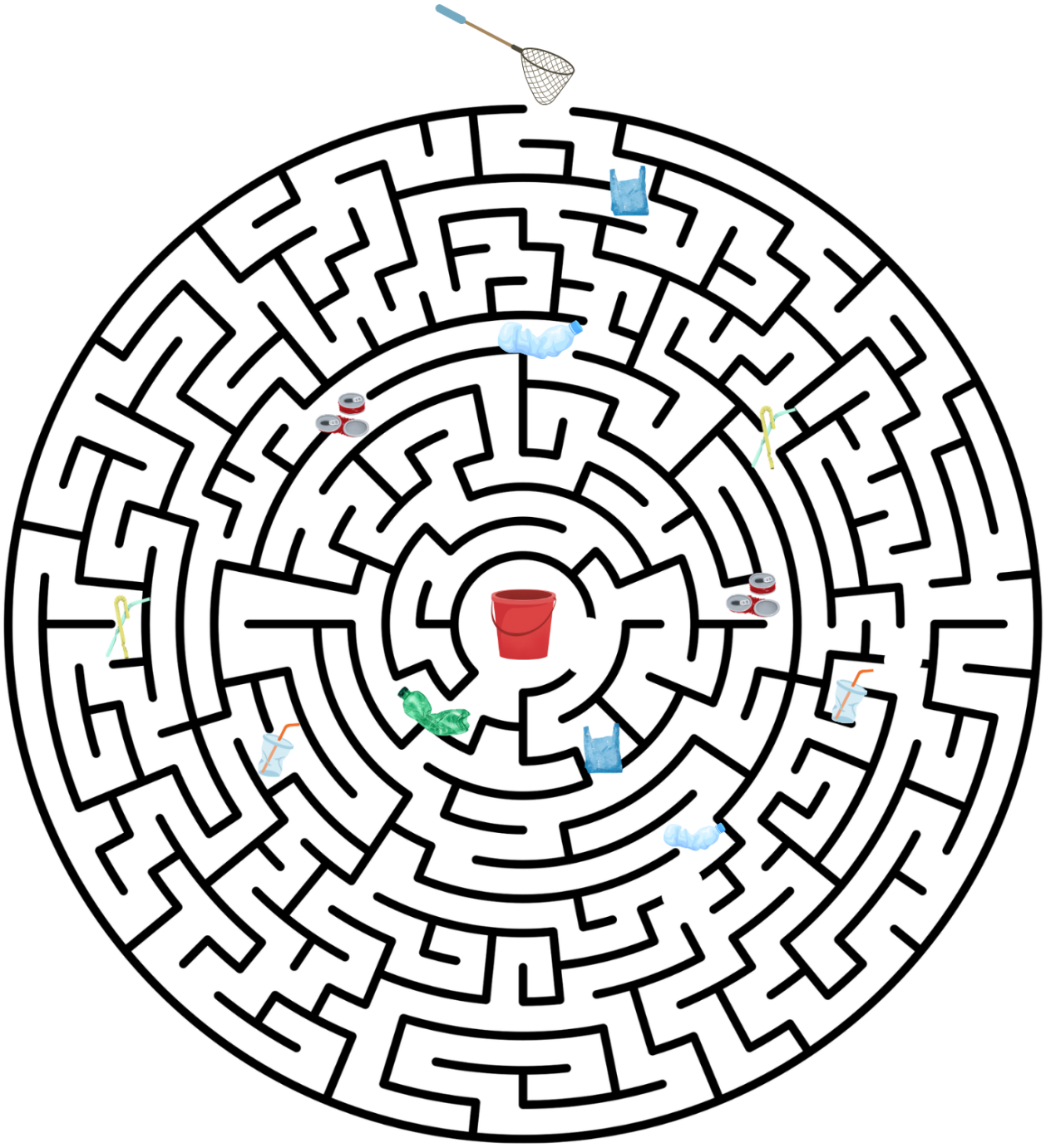
f l e s

Rijmwoorden fles - dop - tas

b e s	l e s	m e s
z e s	d r o p	k o p
m o p	s o p	g r a s
k l a s	p l a s	d a s

PLASTIC SOEP DOOLHOF

Verzamel al het afval



DE NOORDWIJKSE METHODE

Afsluitende week

Oceaandiploma



Woordkaarten

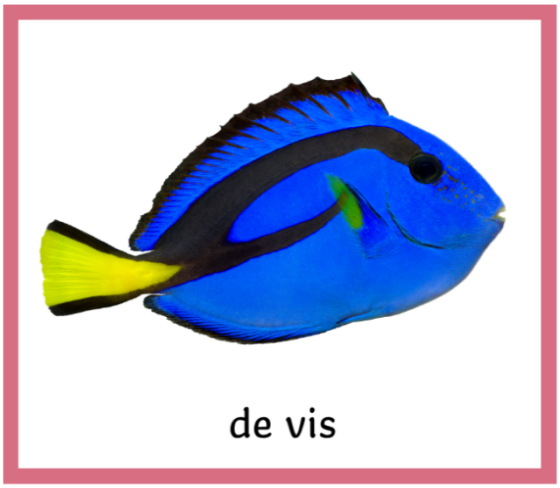
Woordkaarten kleine letters



de schildpad



de krokodil



de vis



de dolfijn



de haai



de meeuw



de oceaan



de zeehond



de walvis



de hengel



de zee



de octopus



de kwal



het zeepaardje



de krab



de zeester



de rog



de garnaal



de pinguïn



de albatros



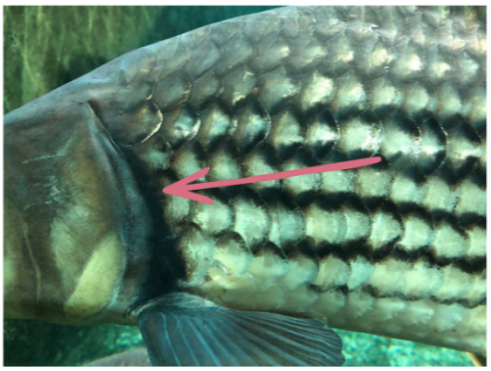
de pelikaan



de anemoonvis



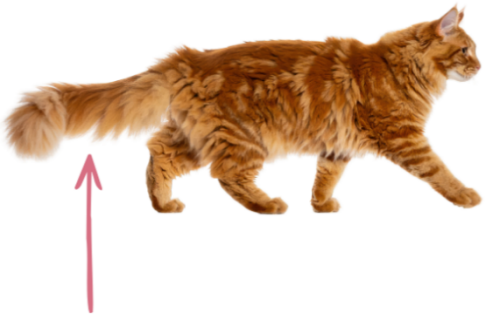
de inktvis



de kieuwen



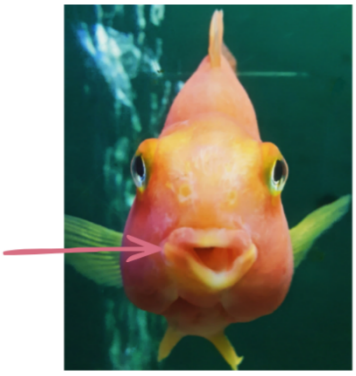
de vleugel



de staart



de vin



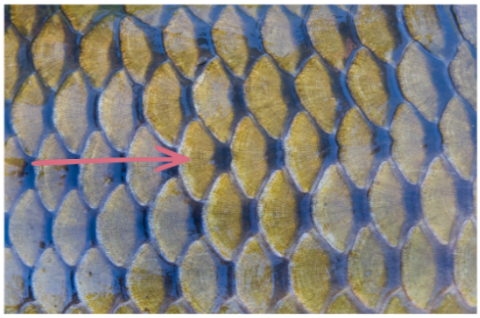
de bek



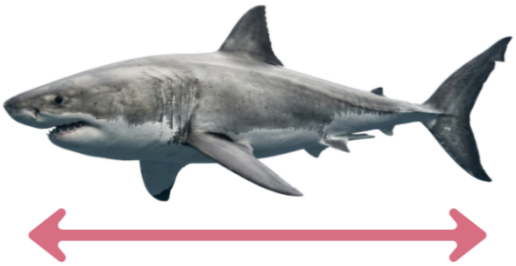
de poten



de tentakels



de schubben



het lijf



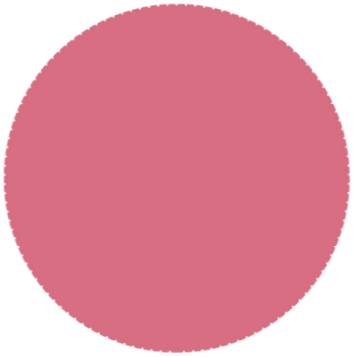
de ogen



de stekel



de klei



rond

lang



de armen



de zeevogel



de opvang



de dierenarts



verzorgen



onderzoeken



de veren



redden



helpen



het strand



zinken



drijven



mengen



zoet



zout



de pipet



het glas



het water



het koraal



het koraalrif



rood



oranje

geel



paars



blauw



het plastic



het dopje



de tas



de fles



DE SCHILDPAD



DE KROKODIL



DE VIS



DE DOLFIJN



DE HAAI



DE MEEUW



DE OCEAAN



DE ZEEHOND



DE WALVIS



DE HENGEL



DE ZEE



DE OCTOPUS



DE KWAL



HET ZEEPAARDJE



DE KRAB



DE ZEESTER



DE ROG



DE GARNAAL



DE PINGUÏN



DE ALBATROS



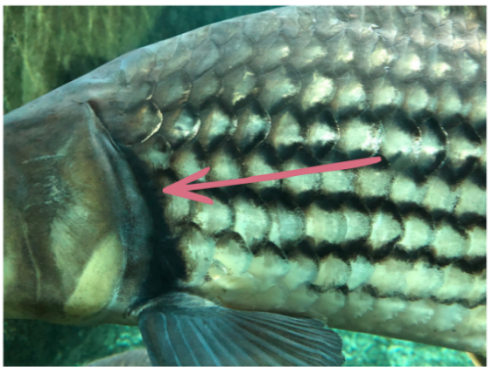
DE PELIKAAN



DE ANEMOONVIS



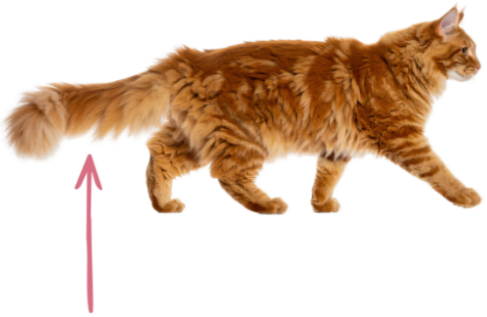
DE INKTVIS



DE KIEUWEN



DE VLEUGEL



DE STAART



DE VIN



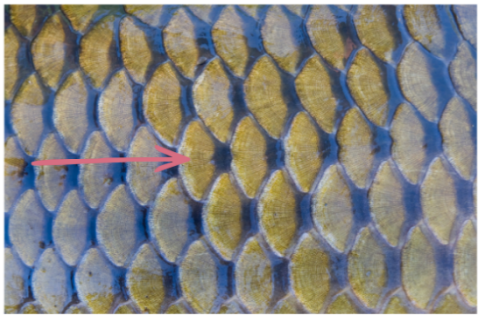
DE BEK



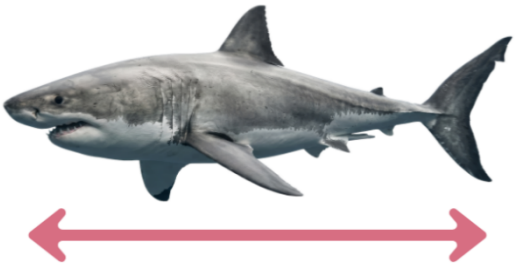
DE POTEN



DE TENTAKELS



DE SCHUBBEN



HET LIJF



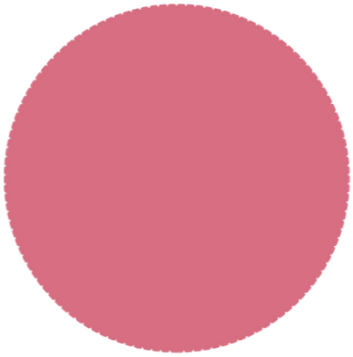
DE OGEN



DE STEKEL



DE KLEI



ROND

LANG



DE ARMEN



DE ZEEVOGEL



DE OPVANG



DE DIERENARTS



VERZORGEN



ONDERZOEKEN



DE VEREN



REDDEN



HELPEN



HET STRAND



ZINKEN



DRIJVEN



MENGEN



ZOET



ZOUT



DE PIPET



HET GLAS



HET WATER



HET KORAAL



HET KORAALRIF



ROOD



ORANJE

GEEL



PAARS



BLAUW



HET PLASTIC



HET DOPJE



DE TAS



DE FLES