

10 REDUCED INEQUALITIES



Goal 10: Reduced Inequalities

Reduce inequality within and among countries.

We cannot transform the world and make the planet a better place unless we include all people in the journey. We must aim to provide opportunities for everyone to have a healthy, happy and safe life.

World leaders are working to reduce inequalities by investing in healthcare, education, and employment, and are striving to include all countries in the decisions that will protect our planet for the future.

Nature teaches us the importance of working together to create balance and harmony. We are going to explore this further by examining the wonder and beauty of the coral reefs.

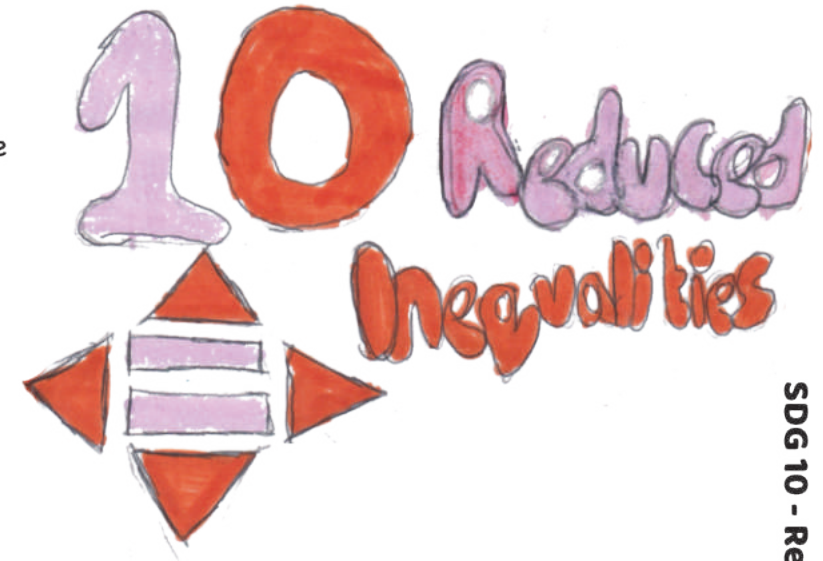
Coral reefs can teach us about the beauty of diversity

Coral reefs are the most diverse ecosystems in the world. There is a vibrancy of colour seen in coral reefs that is unparalleled. This is partly due to all the different communities that live together on a coral reef and call it their home. This includes microorganisms, sponges, anemones, hard corals, soft corals, hydroids, worms, shrimps, lobsters, crabs, snails, scallops, oysters, octopi, squids, barnacles, sea stars, brittle stars, sea cucumbers, sea urchins, tunicates and many more.

Coral reefs also support the lives of sea-turtles, marine mammals and sea-birds. They have important roles protecting coastlines from storms and erosion.

A coral reef is a wonderful and beautiful example of how diverse communities create a healthy environment in which everything is in balance.

1. To transform means to change. 2. Harmony means to have agreement and unity. 3. Vibrancy means to be full of life and energy. 4. An ecosystem is a community of living organisms together with the environments in which they live.



Experiment - Make Your Own Coral and Salt Crystals

What you need:

- Plain flour
- Table salt
- Warm water
- Vegetable oil
- Food colouring
- Pasta shapes
- Paint
- A bowl
- Paper clip
- A jar
- Cotton string
- An elastic band
- A straw



1. Make the play-dough by mixing 8 tablespoons of plain flour, 2 tablespoons of table salt, 60 ml of warm water, 1 tablespoon of vegetable oil. You can add your favourite food colouring until you are happy with the result.



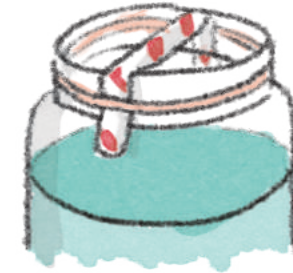
2. Roll the play-dough into brain shaped balls and attach the pasta shapes by pressing them onto the play-dough.
3. Paint the coral with your preferred colours.



1. Fill the jar with warm water.



2. Add a spoonful of table salt and stir. Repeat until the salt stops dissolving.



3. Fix the straw over the top of the jar using an elastic band.



4. Tie a piece of string with a paperclip onto the straw so that the paperclip hangs in the middle of the jar.

Check back in a week to see if any crystals have grown.

What are your thoughts?

Have you learned something new about diversity in nature?

What would you do to ensure we have an equal world?

What Do We Learn From This Experiment?



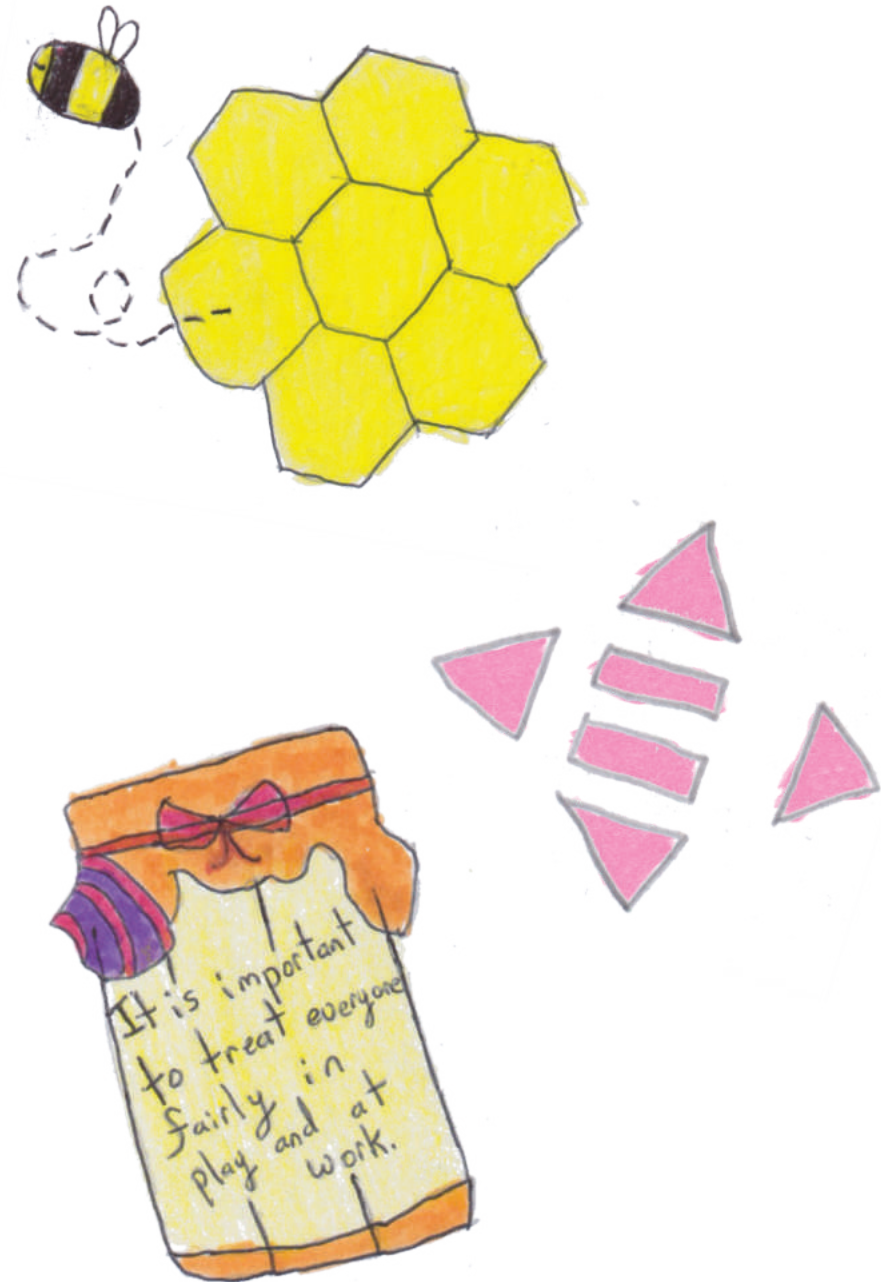
Make your own Coral and Sea Crystal

Explore the different brain corals created in class. Are they all the same? Were there any that you really liked?

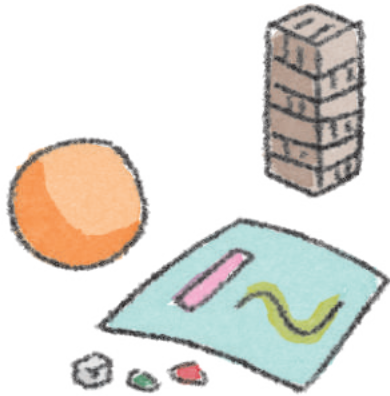
In the salt crystal experiment you explored super-saturated solutions. Salt will dissolve in water. You can dissolve more salt if you heat the water. You can explore this further if you wish. You will need two cups. Fill one with cold water. Fill the other with the same amount of hot water. How many spoons of salt dissolve in the cold water to form the saturated solution? How many spoons of salt dissolve in the hot water to form the super-saturated solution?

As the water in the super-saturated solution cools the dissolved salt will leave the water and cling to the paperclip. As it cools further more salt will leave the water. The crystal will continue to grow until no more salt can leave the water. What shapes of crystals were formed?

Different types of salt will grow different types of crystals. You can also explore how the crystals will grow if placed in the light and placed in the dark.



What Can We Do?



Strive to include everyone in games and activities.

SDG 10 is all about reducing inequality within and among countries.

It can be hard to know the things we can do in our lives to make a difference, but by following some of the tips on this page we can start making the world better for everyone. You may not think that little changes will make a difference, but everyone making little changes adds up to big change.



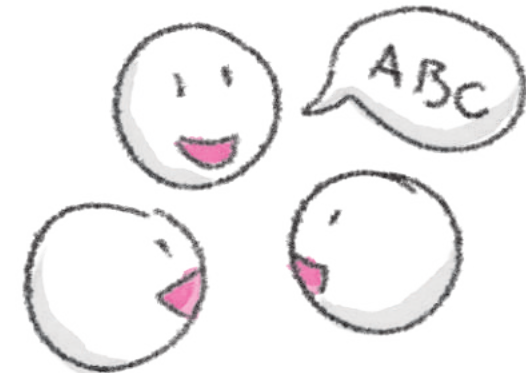
Learn about different cultures and traditions.



Respect everyone's right to an opinion.



Celebrate a "Day of Difference" where you play the role of someone from a different culture and share what you have learned about that culture.



Learn about diversity and inclusion to help understand different cultures, languages, and traditions.