

Biodome Report

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We made the Arctic Dome because we wanted to give the world a smarter and safer place to live in around 200 years in the future that is underwater and self-sustaining and here are the details.

Details

Where is our biodome located? How will our biodome's technology enable it to adapt to the environment?

Our Biodome is located in the Arctic Ocean in Beaufort Sea on planet Earth. We decided it would be best to live in the Arctic ocean because it has all of the things that the biodome needs to operate. One big invention that helps us adapt to the environment is called the Ocean Field which is a force field that is the shape of a sphere as big as a child's hand (5.5 inches). Any lifeforms or anything that exists in the Arctic ocean can enter or exit the Ocean Field which gives us most of the items and materials in order to keep the biodome running. Most animals or living things will not purposefully enter our biodome because it can camouflage on the outside.

Another definite piece of technology we need in order to survive in the biodome is called a Gill Pill, or GP. The GP is a pill that allows you to breathe, talk, hear, and swim easily in the community. The main materials include seaweed, seagrass, animal DNA, and especially turtle flesh. It's a daily pill and the most popular GP used lasts fifteen hours but if you are looking for a different time range you can get pills that are from twelve hours to two days. It also helps a little bit to make you swim fluently in the water with no lack or difficulty.

Why would people want to live in our biodome? Which groups of people will be excluded from our biodome and why?

People who would want to live in our biodome are people who don't mind water and seafood. Our biodome is also very safe and protected because of the Ocean Field so they don't have to worry about any natural disasters. If that doesn't make them feel safe, we don't allow any big crimes like murder or stealing. If it's just a little crime like a ticket from accidental speeding or other things they could join and even if they do something in the biodome we put them in a more sophisticated jail that will lock them up for sure by using the same system we put people into jail right now. We also allow no pollution so the community is nice, clean, and healthy and if you do pollute you have to pay a very big fine.

People would also want to live here because we have a great education system (will get into detail), fun activities such as seal racing and our own new holidays (will also get into detail later), and also our very, very advanced technology for the new generation. The Arctic Dome will also allow all cultures and different races of people such as African Americans, Asians, Germans, French, and a lot of others.

Which values will be promoted? What cultural events will be celebrated and why?

Our most important value will be fish and the ocean. It's the most important because it provides basically all of our food and beverages and they also give our biodome most of the transportation. We honor fish because they care and provide for us, so we honor the fish and the ocean the most in the community.

The Arctic Dome will celebrate all of the popular holidays in the U.S. such as Valentines day, St.Patrick's day, Halloween, Christmas, New

Years, Birthdays, and the best, Fish day. We celebrate most of the holidays because it keeps everyone entertained and so we could carry on the fun of the holidays, remembering what they're about. Well, fish day is not necessarily all about fish, when you hear Fish day, citizens are going to think of it as all of the fish and other life in the ocean like jellyfish, sharks, turtles, and other sea creatures. We remember all of the ocean life because if none of them were alive, the Arctic Dome wouldn't exist. All citizens love and treasure the fish of Fish day at the Fish Parade. And we forgot to mention, Fish Slapping which is a more entertaining version of boxing but with people slapping each other with fish and whoever gets falls down three times first loses.

What will be the primary form of government and how will the leaders be selected? What will be the most important laws and what will be the rights of the citizens?

The Arctic Dome has its own primary form of government called Polyarchy. Polyarchy is much like Monarchy but with up to four Kings/Queens with one adviser per each ruler. When they have to make a decision upon something, all of the rulers and advisors meet up at a big round table and see which decision is the right move to make. Our biodome made Polyarchy because we wanted to see all of the decisions possible between each King/Queen. The People included in the Polyarchy right now is Zen, Tyson, Mike, and Ethan with the most advanced advisors per each one of them. The leaders of Polyarchy are selected by their skills of leadership and the government of Polyarchy exclude all of the bad leaders and once they've completed that they move onto the citizens votes with four votes for each person and the final four with the most votes are then part of the Polyarchy.

A big law is no crimes like stealing, shoplifting, murder, using illegal drugs, or other pretty basic things that no one should do. If you do one of those crimes you get sent to jail because the Arctic Dome absolutely

forbids any kind of crime so it could be safe in the biodome. The Arctic Dome also allows no guns so no one could get hurt. To stop any crimes we teach everyone as kids very well to not do any crime or bad things (will get into detail later). A big law, if you get caught doing, is disrespecting the fish. if you disrespect the fish you pay a fine of 50 Chips (will explain later), but if your twelve or under you get suspended from which school you go to. The citizens of the Arctic Dome also have rights. The citizens have the right to go to the hospital and get treatment if their hurt freely no matter what situation they're in or what happened. Another right of the citizens is free school. We have free school so everyone gets a good education without having to spend any Chips (will explain what chips are in a moment) on things the citizens need.

How will the citizens obtain the resources they need? How will the citizens be compensated for their work?

The citizens of the Arctic Dome obtain the resources they need by earning something called Chips. Chips are exactly like money in every way but one thing, since money is made out of paper, money wouldn't do as well in the water. Chips are absolutely waterproof by a material that is very safe to the environment and it can't hurt it and it can't help it. Every citizen earns their very own house at the age of twenty years old and start out with a good amount of Chips to obtain enough food, clothing, ect. with the money they already have to get a good start and to make the right choices.

The citizens get compensated every month for about the same for every job such as working at a restaurant, school, and other similar things, but if it's something different like a lawyer or being a Fish Farmer (being a Fish Farmer is where you tame fish and raise them nicely to help the community) you get a bit higher pay. Also, every monthly pay comes with a lollipop per every person. Most pays are very close to the same pay so not so much people are above others but equal.

How will children be prepared for adult life? Which academic subjects will be emphasized and why?

Children will be prepared for adult life in many ways. One way is by taking life skills in elementary school year round and once a week. In the grades 7-12 they also learn life skills but every day in much more advanced classes, like what to avoid and what would be the best choice in tough situations. When they near adulthood, they learn how to save money and how to get a good job in certain classes.

The most important academic subjects that are emphasized writing are science, mathematics, reading, and definitely Oceanography. Science is studied because students have to learn about all of the science to the Arctic Dome and maybe even to create new technology. Mathematics is studied because people have to learn how to count, and it's also used in most things like how much fish live in the Arctic Dome, and on other occasions. Reading is studied because we use it in our everyday lives and is important to our community. We study Oceanography is studied because we need to know about the unknown ocean and how the Arctic Dome works and where we live.

How will citizens be entertained and motivated? What will be Three of the most popular forms of entertainment?

Citizens in the Arctic Dome will be entertained and motivated by watching certain sports like seal racing and other fun events. There are also fun holidays daily to keep citizens entertained and alive. There are also fun outdoor games in school and if they decide to do it at will. Here are some examples.

One activity is Seal Racing, where any aged people race with seals with tracks on controlled currents where whoever crosses the finish line first, receives a healthy elephant seal (the lamborghini of our life now). This

event happens every six months. Another fun event is Turtle Surfing where whoever makes the most impressive move wins gills for life, which is given through an advanced Gill Pill that allows you to breath in the water and in the air (like Aqua Man but not Aqua Man). We also have other events, like who could hold their breath the longest and who can swim the longest.

What will be a typical day for one of the citizens? What are some examples of challenges and rewards a citizen might encounter everyday?

(Applies for ages 19-and over). It was a warm day in the city of The Arctic Dome early in the morning and Bob was ready to get straight to his job. Before he dashed out the door, about to be late for his great new job, he gulped down his fifteen hour GP of the day and went out the door to mount his healthy Elephant seal. His Elephant seal was very good at driving and would react to any slight movements. Bob arrived in less than five minutes. He parked his Elephant seal and walked into the national Fish Farmer Farm. Being a Fish Farmer was a great responsibility. It was a tough job Bob thought, especially taming the great fish like the tough sharks or the mighty Elephant seal, but whatever it was Bob tamed it, that was his job. After Bob finished his eight hour shift, he headed to his Elephant Seal, knowing he had a week left until payday but he knew it would come. Bob did this three times a week with two eight hour shifts and one long twelve hour shift. Since the job is very difficult and risky, Bob gets paid 48 chips per hour. Bob was 33 years old and he was a very smart and accomplished student and now he is very responsible for his duties that he has to take care of now. After Bob arrived home, he greeted his wife and children with a big hug and started dinner. He talked to his young kids about how great it is being a Fish Farmer and asked them how their day went. Bob felt that he had a pretty accomplished day and had some free time left to relax or to do things of his choosing, but until then he had a lot of new memories to make.

In our biodome there are also challenges that would have to be faced and rewards that will be given. A big challenge that the citizens face is forgetting to eat their daily pill. If they don't swallow their GP then they could choke or sometimes even faint in the water of the community, to prevent that from happening we created doors in every building in the Arctic Dome that detects if the citizens have the GP in their system, and if they don't, the door makes a loud siren noise to alert the citizens to swallow the GP. Rewards that citizens might encounter are: respect, pay, and other certain items like food. Respect could be rewarded from how good your doing in your job, your kindness to others, or maybe because you have been responsible for your duties that you have to take care of. Anyone can earn respect if they do these certain kinds of things to other citizens. There are some citizens that don't have the right to earn respect because of their actions that haven't shown that they are responsible, caring, or rude to others in any way. The pay of chips can be rewarded in a couple of ways. All citizens definitely earn pay through their jobs which is traded in with effort and hard work from the employees. Chips could be rewarded to you if it's a special occasion such as your birthday or other events. Items and food could be rewarded through different things. It could be rewarded for a citizens service or job, effort and hardwork, and lastly, respect. Rewards could be rewarded with rewards like if you have respect from others, they could give a gift like an item or food.

*What technological resources will be readily available to the citizens?
How will technology make life easier for the citizens?*

Our technology in the Arctic Dome helps many citizens in many ways. For instance the GP which helps a lot in the community. Like I described before, the GP allows any citizen to breathe, talk, hear, and swim around in the water easily, some people would even say effortlessly. The pill lasts from 12 hours to 2 days, but the most used pill is the 15 hour GP. You take the pill daily. Another great invention for the Arctic Dome is a Current Controller. The Current Controller is basically an underwater roads

controlled by the city to make you, Elephant seals (cars basically), and anything that goes into it faster and lead you or guide you to where you want to go. One other thing that will be readily available are Elephant Seals. In the Arctic Dome Elephant Seals are much like cars, they are tamed very well by the Fish Farm that has them ready to ride in no time. They could be big pets or a great transportation service.

The technology that makes every citizen lives easier are the most advanced. For example, the Ocean Field: the Big Bubble like sphere that protects, provides, and keeps together the entire community for the citizens. There is the Current Controllers that can make anything that goes into it use no strength whatsoever to move around the city needing no effort. There are also 3D watches that can help people get to where they need to go if they are lost. In every building entrance there are door drainers where if you enter a building, water would enter so you enter a very small room that drains and dries you and the water off before entering the building so the building doesn't get water into it.

How will the city deal with threats and crime? How will the city deal with crises?

Crime and threats was said before, much dealt like it is now but with a bigger jail system. When someone commits a crime which rarely happens because of our school systems we put them in jail for a certain amount of time depending on what they did. When criminals are in jail only someone with an I.D. can get out which the criminals can't reach.

Natural disasters do not oppose a threat to us because of our ocean field. Our Ocean field is a special design with very advanced technology. It is designed to be able to withstand all natural disasters. The ocean field was made to avoid land or shores and to stay in certain areas in the Beaufort sea of the Arctic Ocean. The Ocean Field also absorbs sunlight through it's invisible shields. It's kind of like solar panels but to the

next level to provide a whole lot of light to the city. The main purpose of the Ocean Field was to keep all of the citizens in it safe and happy and to protect them from any kind of natural disasters like the ones we listed before. If there is anything that shortages like food, we could easily transport the Arctic Dome there to get those certain supplies we needed.

Model

Homes for single family units and multi family units.

In our digital model we include different kinds of pictures of underwater single family units and multi family units with beds and other house materials like tables in each one. Each house and apartment has great views out of the windows too.

Single building stores and buildings that sell a wide range of products.

For some reason, our biodome model includes multiple pictures of pharmacies such as Walgreens and the Tyson Pharmacy. We also have FedEthan which is a better version of FedEx. There is also Michaels as our daily art supplies store. There are also buildings that sell a wide range of products, like Fred Zen, a great upgrade of Fred Meyers. We also have other buildings like Walmart, Target, and Costco.

Factories, construction sites, money traders, warehouses, and distribution centers.

In the Arctic Dome there are big Factories, construction sites, and etc. that include no signs ever of pollution like smoke, smog, and other bad air qualities from any of the things listed. I forgot to say, no smoking in the community, it is extremely bad for your lungs (not getting into details because there are too much). Warehouses in the biodome can store a lot of products and things since they're so big. We also have money traders A.K.A. Chip traders to organize all of the chips and financial things in the community.

Capitol and statues and parks dedicated to leaders and heroes.

In our biodome we have multiple parks that is available to any citizen and fish that was dedicated to the rulers of the Arctic Dome Zen, Mike, Tyson, and Ethan. We also have statues that were dedicated to fish to be greatly honored. Our Capitol is located at the center of the Arctic Dome, the most populated things are like the Fish Park.

Academies, museums, libraries, arenas and stadiums.

In the Arctic Dome we include Academies (like schools), libraries, museums, and arenas and stadiums. Academies are very big and help all ages who need to learn. Our libraries are very large and hold a countless amount of books filled with knowledge. In the museums of the Arctic Dome there is a lot of historic and interesting sculptures and models of great species in the ocean. Lastly we have arenas that were specifically made for Fish Slapping which was critically needed.

Primary and secondary sources and dissemination of power.

For the Primary power supply we use solar panels to collect the sun's sunlight so powerfully strong, it can collect sunlight through the water. We have many solar panels but upgraded on the outside of the Arctic Dome to collect more than enough sunlight for everyone in the community. Our secondary source of power if needed (which has a very small chance of happening) is the power of our watermills and our power lines which run no matter what. The watermills are exactly like windmills but somehow receive power from water.

Hospitals and medical facilities.

In the Arctic Dome there is very advanced technology that could take care of any sickness or disease in the hospitals. There are multiple hospitals in the community and give the patients the best care and the doctors and nurses are really well trained. If there is any emergency, the hospitals will respond very quickly and treat you well. In the Arctic Dome

there are a lot of medical people ready to help and assist you and the hospitals are not that full most of the time because the Arctic Dome makes the community as safe as possible. There are also dentists and orthodontists to make sure your teeth are clean and healthy.

Law enforcement, fire response, guards, courts, and jails.

In our biodome we have a proper future like Emergency Intervention that includes law enforcement, fire response, guards, courts, and jails. The law enforcement of the Arctic Dome includes samurai and ancient dinosaur fish such as the Dunkleosteus to be great guards trained to protect and to stop the criminals with their new technology. We chose to use the samurai because we made a new suit that is one of the best armors to help the guards get better at their job. The Dunkleosteus was resurrected from the dinosaur age by the new technology that could bring back certain instinct animals but it was brought back to help the guards as well. Our daily fire response is helped by sea animals like the hippopotamus to put out the fire fast, but all fires are indoors (we live underwater) so the hippos lie in every building just in case there's a fire. Courts are very much like they are today but the jails aren't. The jails of the Arctic Dome have well protected walls and is basically impossible to escape with the guards walking around day and night.

Roads and public transportation systems.

The Roads and public transportation systems of the Arctic Dome are everywhere with many choices of what you want to ride. The roads are tubes that run through the whole city filled with air, or you could take the currents where you could ride your own sea animals. If you take the tube route you can only ride a futuristic car that hovers around. If you take the current route you could ride a whale shark (free taxi ride) or an elephant seal that is big and fast but both sea animals listen to commands easily and nicely by their great training. Also, if you don't see the currents they're just right over the guidelines (basically just things that look like actual roads today).

Farmland, land for animals, valuable minerals, and other resources.

In our biodome there is a farm (kind of like the fish farm) that keeps all of the big animals that could get hurt in the Arctic Dome safe and happy. If there are any injured sea animals they go straight to treatment to be cared for. Also, since we don't want to just eat fish, we created our own new food farm with new kinds of healthy foods. A really reliable resource is fish. Our biodome always makes sure that we don't eat too much fish because they are very special to our community. The valuable minerals to our community varies. Our biodome has rare minerals but they're not worth much, it depends on what situation we are in so we do deep sea mining but with better technology to get the minerals easier and faster. We have a lot of sea animals and new mutated land animals that have adapted to give us the products we need underwater such as the aquatic chicken which has grown flippers instead of wings and has gills. The Arctic Dome also has strange new animals and creatures, but the most rare and appreciated one is the Holy Walrus. The Holy Walrus can live forever and helps and accompanies the rulers of the Polyarchy, it also has four tusks and does not need any air to survive.