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Definition[edit] The Home Insurance Building in Chicago , completed in 1889, was the first steel-frame skyscraper; it was demolished in 1931. The term "skyscraper" was first applied to buildings of steel framed construction of at least 10 stories in the late 19th century, a result of public amazement at the tall buildings being built in major American cities like Chicago , New York City , Philadelphia , Detroit , and St. Louis. Even the scholars making the argument find it to be purely academic. Wikiquote has quotations related to: Skyscraper What is the chief characteristic of the tall office building? It must be tall. The force and power of altitude must be in it, the glory and pride of exaltation must be in it. It must be every inch a proud and soaring thing, rising in sheer exaltation that from bottom to top it is a unit without a single dissenting line. Note that this criterion fits not only high-rises but some other tall structures, such as towers. The word skyscraper often carries a connotation of pride and achievement. The skyscraper, in name and social function, is a modern expression of the age-old symbol of the world center or axis mundi: However, being uninhabited, none of these structures actually comply with the modern definition of a skyscraper. High-rise apartments flourished in classical antiquity. Ancient Roman insulae in imperial cities reached 10 and more stories. The residential Towers of 12th century Bologna numbered between 80 and 100, at a time, the tallest of which is the Torre Garisenda. Nasir Khusraw in the early 11th century described some of them rising up to 14 stories, with roof gardens on the top floor complete with ox-drawn water wheels for irrigating them. Shibam was made up of over 500 tower houses, [20] each one rising 5 to 11 stories high, [21] with each floor being an apartment occupied by a single family. The city was built in this way in order to protect it from Bedouin attacks. Due to the restricted land area available for development, the houses increased in height instead. Buildings of 11 stories were common, and there are records of buildings as high as 14 stories. Many of the stone-built structures can still be seen today in the old town of Edinburgh. The oldest iron framed building in the world, although only partially iron framed, is The Flaxmill also locally known as the "Maltings" , in Shrewsbury , England. Built in 1775, it is seen as the "grandfather of skyscrapers", since its fireproof combination of cast iron columns and cast iron beams developed into the modern steel frame that made modern skyscrapers possible. In 1854 funding was confirmed to convert the derelict building into offices. The stone mullions are decorative. The Wainwright Building , a 10 story red brick office building in St. Louis, Missouri , built in 1890. Main article: Early skyscrapers In 1852 Elisha Otis introduced the safety elevator, allowing convenient and safe passenger movement to upper floors. Another crucial development was the use of a steel frame instead of stone or brick, otherwise the walls on the lower floors on a tall building would be too thick to be practical. An early development in this area was Oriel Chambers in Liverpool , England. It was only five floors high. The building of tall buildings in the 19th century gave the skyscraper its first architectural movement the Chicago School , which developed what has been called the Commercial Style. In this building, a steel frame supported the entire weight of the walls, instead of load-bearing walls carrying the weight of the building. This development led to the "Chicago skeleton" form of construction. In addition to the steel frame, the Home Insurance Building also utilized fireproofing, elevators, and electrical wiring, key elements in most skyscrapers today. In 1889, the Home Insurance Building in St. Louis, Missouri , was the first steel-framed building with soaring vertical bands to emphasize the height of the building and is therefore considered to be the first early skyscraper. Most early skyscrapers emerged in the land-strapped areas of Chicago and New York City toward the end of the 19th century. A land boom in Melbourne, Australia between 1880 and 1890 spurred the creation of a significant number of early skyscrapers, though none of these were steel reinforced and few remain today. Height limits and fire restrictions were later introduced. London builders soon found building heights limited due to a complaint from Queen Victoria , rules that continued to exist with few exceptions. Concerns about aesthetics and fire safety had likewise hampered the development of skyscrapers across continental Europe for the first half of the twentieth century. Completed in 1909, the Empire

State Building in New York City was the tallest building in the world for nearly 40 years. Finally, skyscrapers also began to be constructed in cities of Africa, the Middle East and Oceania mainly Australia from the late 19th century on. A revival occurred with structural innovations that transformed the industry, [36] making it possible for people to live and work in "cities in the sky". Many buildings designed in the 1970s lacked a particular style and recalled ornamentation from earlier buildings designed before the 1950s. These design plans ignored the environment and loaded structures with decorative elements and extravagant finishes. Moreover he considered the work to be a waste of precious natural resources. LEED is a current green building standard. Design and construction[edit] Modern skyscrapers in downtown Los Angeles The design and construction of skyscrapers involves creating safe, habitable spaces in very tall buildings. The buildings must support their weight, resist wind and earthquakes, and protect occupants from fire. Yet they must also be conveniently accessible, even on the upper floors, and provide utilities and a comfortable climate for the occupants. The problems posed in skyscraper design are considered among the most complex encountered given the balances required between economics , engineering , and construction management. One common feature of skyscrapers is a steel framework from which curtain walls are suspended, rather than load-bearing walls of conventional construction. Most skyscrapers have a steel frame that enables them to be built taller than typical load-bearing walls of reinforced concrete. Skyscrapers usually have a particularly small surface area of what are conventionally thought of as walls. Because the walls are not load-bearing most skyscrapers are characterized by surface areas of windows made possible by the concept of steel frame and curtain wall. However, skyscrapers can also have curtain walls that mimic conventional walls and have a small surface area of windows. The concept of a skyscraper is a product of the industrialized age , made possible by cheap fossil fuel derived energy and industrially refined raw materials such as steel and concrete. The construction of skyscrapers was enabled by steel frame construction that surpassed brick and mortar construction starting at the end of the 19th century and finally surpassing it in the 20th century together with reinforced concrete construction as the price of steel decreased and labour costs increased. The steel frames become inefficient and uneconomic for supertall buildings as usable floor space is reduced for progressively larger supporting columns. This reduces the usage of material more efficient in economic terms " Willis Tower uses a third less steel than the Empire State Building yet allows greater height. It allows fewer interior columns, and so creates more usable floor space. It further enables buildings to take on various shapes. Elevators are characteristic to skyscrapers. In 1853 Elisha Otis introduced the safety elevator, allowing convenient and safe passenger movement to upper floors. Advances in construction techniques have allowed skyscrapers to narrow in width, while increasing in height. Some of these new techniques include mass dampers to reduce vibrations and swaying, and gaps to allow air to pass through, reducing wind shear. This presents a paradox to civil engineers: But the only way to know of all modes of failure is to learn from previous failures. Thus, no engineer can be absolutely sure that a given structure will resist all loadings that could cause failure, but can only have large enough margins of safety such that a failure is acceptably unlikely. When buildings do fail, engineers question whether the failure was due to some lack of foresight or due to some unknowable factor. Loading and vibration[edit] The load a skyscraper experiences is largely from the force of the building material itself. In most building designs, the weight of the structure is much larger than the weight of the material that it will support beyond its own weight. In technical terms, the dead load , the load of the structure, is larger than the live load , the weight of things in the structure people, furniture, vehicles, etc. As such, the amount of structural material required within the lower levels of a skyscraper will be much larger than the material required within higher levels. This is not always visually apparent. Vertical supports can come in several types, among which the most common for skyscrapers can be categorized as steel frames, concrete cores, tube within tube design, and shear walls. The wind loading on a skyscraper is also considerable. In fact, the lateral wind load imposed on super-tall structures is generally the governing factor in the structural design. Wind pressure increases with height, so for very tall buildings, the loads associated with wind are larger than dead or live loads. Other vertical and horizontal loading factors come from varied, unpredictable sources, such as earthquakes. Its malleability allowed it to be formed into a variety of shapes, and it could be riveted, ensuring strong connections. This becomes inefficient and uneconomic for buildings above 40 stories tall as

usable floor spaces are reduced for supporting column and due to more usage of steel. Tube structure The Willis Tower in Chicago showing the bundled tube frame design A new structural system of framed tubes was developed in Fazlur Khan and J. Rankine defined the framed tube structure as "a three dimensional space structure composed of three, four, or possibly more frames, braced frames, or shear walls, joined at or near their edges to form a vertical tube-like structural system capable of resisting lateral forces in any direction by cantilevering from the foundation. Horizontal loads primarily wind are supported by the structure as a whole. Framed tubes allow fewer interior columns, and so create more usable floor space, and about half the exterior surface is available for windows. Where larger openings like garage doors are required, the tube frame must be interrupted, with transfer girders used to maintain structural integrity. Tube structures cut down costs, at the same time allowing buildings to reach greater heights. The tubular systems are fundamental to tall building design. Khan pioneered several other variations of the tube structure design. This concept reduced the lateral load on the building by transferring the load into the exterior columns. This allows for a reduced need for interior columns thus creating more floor space. This concept can be seen in the John Hancock Center, designed in and completed in This idea is one of the architectural techniques the building used to climb to record heights the tubular system is essentially the spine that helps the building stand upright during wind and earthquake loads. This X-bracing allows for both higher performance from tall structures and the ability to open up the inside floorplan and usable floor space if the architect desires. The John Hancock Center was far more efficient than earlier steel-frame structures. Where the Empire State Building , required about kilograms of steel per square metre and Chase Manhattan Bank Building required , the John Hancock Center required only

Chapter 2 : Airline Checked Baggage Size Chart & Weight Limit | Skyscanner

Under the Weight of the Sky Paperback - by Kirk Robertson (Author) â€º Visit Amazon's Kirk Robertson Page. Find all the books, read about the author, and more.

Original bridge[edit] The present bridge replaced a steel cantilever bridge of the same name. The original two-lane bridge built by the Virginia Bridge Company was opened to traffic on September 6, , [10] [11] with a similar structure built parallel and to the west of it in to make it a four-lane bridge and bring it to Interstate Highway standards. Opening of the newer span was delayed until for reinforcing of the south main pier, which had cracked due to insufficient supporting pile depth. The old bridge replaced a ferry from Point Pinellas to Piney Point. Petersburg to its current end north. The remaining approaches to the old cantilever bridge remain in use as Skyway Fishing Pier State Park. Petersburg Times The southbound span opened in of the original bridge was destroyed at 7: It was the second pier to the south of it that was destroyed, a secondary pier that was not designed to withstand a large ship strike. Before the old bridge was demolished and hauled away in barges, MacIntire the only survivor in the collapse was the last person to drive over it. He was accompanied by his wife, and when they reached the top of the bridge, they dropped 35 white carnations into the water, one for each person who died in the disaster. The approaches of the span were demolished in Please help improve this article by adding citations to reliable sources. Unsourced material may be challenged and removed. The scope of the project required that all underwater piles and piers, and surface roadway, girders, and beams be dismantled. Special care had to be taken in removing underwater bridge elements near the shipping channel. Additionally, the concrete material, deck sections, pilings and steel girders were to be collected in order to be placed offshore and along the remaining bridge approaches to become artificial reefs for the new planned state fishing park. The main bridge span had to be removed in one piece in order not to block the main shipping canal leading to the Port of Tampa. As part of the project design, the engineering team developed a real-time, computerized, synchronized descent calculator and control program to help each of the two winch management teams ensure that all winches were synchronized at the same 30 feet 9. A Rottweiler named Shasta survived after either following or being carried over the edge by its owner, who died. One man, year-old Michael "Luciano" Plezia of Cleveland , was forced to jump at gunpoint in , after having been kidnapped, beaten, tortured, and stabbed. In response to the high number of suicide attempts from the bridge, the state of Florida installed six crisis hotline phones along the center span in , and began hour patrols. As of , the call center at the Crisis Center of Tampa Bay received 18 calls from potential jumpers, all of whom survived, according to a St. On April 27, , a group of amateur daredevils, led by bartender and stuntman Steve Trotter and composed of a mix of male and female participants, performed an unannounced guerrilla "pendulum swing" bungee jump off the bridge, wherein they planned to swing back and forth on a home-made bungee cord made of steel cable attached to the cast-off point. Arriving by stretch limousine, the group unexpectedly pulled over at the apex of the bridge, quickly rigged up their cable, tethered themselves to it with harnesses, and jumped over the edge. The entire accident was caught on multiple video cameras that had been set up to record the feat. Later studies showed that his design had failed to take into account the increased g-load caused by the pendulum action of the jump, exceeding the ratings on the components and leading to catastrophic failure of the structural integrity of the bungee cable. Since the accident, no other groups have attempted to perform a stunt jump from the bridge. This incident was broadcast on the television program Destroyed in Seconds , on March 2, In , a feature film entitled Loren Cass was released, which depicted a suicide jump off the Sunshine Skyway. They are distorted, mangled. Witnesses saw a man carrying a gasoline can near the car. A Florida Highway Patrol trooper later saw the man jump from the bridge to his death. Stopping on the bridge for any non-emergency, including sightseeing, is prohibited. Traffic on the bridge is monitored by the Florida Highway Patrol , and a stopped vehicle, bicyclist, or a pedestrian will elicit a police dispatch. Skyway 10K[edit] On January 11, , the Skyway Bridge opened-up to 10, runners, joggers and walkers before the bridge was opened to motor vehicle traffic the following week. Runners participated in four races that ran simultaneously across the bridge, with two races going southbound and two races directed

northbound. In contrast to the one-time race in , the Skyway 10K is planned to be held annually. Sunshine Skyway Bridge has provided the setting for several films over the years, both credited and uncredited, e. Hermann painted it, and the digital illustration was created by artist Dan Cosgrove. Truncated pier visible was the one struck by Summit Venture Main bridge span secure on barge being towed away Blasting steel truss.

Chapter 3 : Sky Zone Trampoline Park | Safety

The weight of the sky dropped onto Atlas' back, almost smashing him flat until he managed to get to his knees, struggling to get out from under the crushing weight of the sky. But it was too late. "Nooooooo!" He yelled so hard it shook the mountain. "Not again!" He was trapped under his old burden once again.

I do not own Percy Jackson and the Olympians and their stuff. Chapter 18 Percy could not explain what holding up the sky was like. It was like being crushed by a thousand trucks. His muscles burned like they were sunk into white-hot lava as they strained to support the weight. His bones were melting and beads of sweat were dribbling down his face as he squeezed his eyes closed and tried to shut out the pain. He sunk lower and lower onto the ground, slowly and agonizingly being squished by the dead-weight clouds crushing him. His arms trembled, shuddering under the sky as he fought against every urge and common sense telling him to just let go. His vision was tinged with red as he tried to observe the battle. He caught glimpses of the fights, Artemis in her shimmering silver dress as she moved in a blur and Atlas in full battle armor, jabbing with his javelin, swept up in a mad rage. Artemis had her 2 long wicked hunting knives and she slashed wildly as she leapt and dodged with unbelievable grace. She seemed to change form as she maneuvered, a ferocious tiger, a falcon, then a nimble gazelle, after that a savage bear and lastly a wolf with a silver pelt and blue eyes that held a murderous and predatory glare. Thalia and Annabeth fought Luke, with lightning courtesy of Thalia flashing around them. He did his best to shy away from their strikes but he was starting to tire out and his movements were not as agile as they once were. You will never beat us! Luke shook his head as if to clear it and bared his teeth, "We shall see, my old friends. Atlas advanced on Artemis after aiming a long sweeping kick at Zoe, sending her flying backwards, pressing her backwards. His javelin slammed into the ground where Artemis was right before and a fissure opened in the rocks. He then leaped over it in pursue of Artemis as she backed to where Percy was. As if on cue, Artemis chiming voice rang out loud and clear in his head. Percy saw the trick coming and tried to warn Artemis, but no sound came. She fell and Atlas brought the javelin up for the kill. Atlas bellowed in rage and back handed his daughter, sending her flying into the black jagged rocks. Percy tried to cry out, he desperately wanted to check if she was okay and run to her aid but he remained immobilized there by the pain. Then Atlas turned on Artemis with a look of triumph in his face. Artemis seemed to be wounded as she held her side without getting up. It hit the earth right next to her and she pulled backward, using the javelin like a lever, kicking the Titan Lord and sent him flying over to her. Percy saw him coming just as he was about to fall unconscious, and realized what would happen. He loosened his grip on the sky, which was easy since his palms were slippery, and as Atlas slammed into him, he did not try to brace himself or hold on, he let himself get pushed out from under the sky and there he lay, away from the clouds, panting with relief and exhaustion. But it was too late. Percy tried to stand up but he fell back down almost immediately, his head still throbbing, dazed with pain. On the other side, Thalia backed Luke to the edge of a cliff, but they still fought on. Annabeth was on the ground, cradling her wrist, which seems to be twisted. Thalia had a cut that ran from her hand to her elbow and Luke had a bloody slash across his chest and their pale faces glistened with sweat. Luke lunged at Thalia and she slammed him with her shield out of instinct. Thalia put her spear point at his throat. For a moment there was silence. He tried to hide it from his voice but fear was evident in his darting eyes. Thalia looked back hesitantly at Annabeth, wanting her opinion through a silent question in her eyes, but her hesitation was all Luke needed, he pounced and made a desperate grab for her spear. Without thinking, Thalia kicked Luke away. He lost his balance and teetered on the edge and then he fell. Thalia drew a sharp intake of breath, even if that was her old friend that betrayed her, she never wanted to see him in this state. Annabeth was stiff with grief, tears streaming down her cheeks as she cupped her hand around to mouth to muffle out the sobs. Her eyes were open but the gaping wound in her stomach where a piece of sharp rock pierced through her gushed blood. Artemis was concentrating, her eyebrows scrunched up as she used her powers to heal Zoe the best she can, but her domain was not to heal, and the wound would not seal. She huffed in frustration, "This is the one time I wish I was my brother. She along with everyone else knew that if the wound was not closed, Zoe would soon die of blood loss. Percy

stepped forward, seeing that there was not other option and knelt beside Zoe. A brown glow surrounded his hand as he closed the wound with his mind and healed Zoe, putting her away from a close death. Percy slumped, looking like he was 3 years older, and turned his head to Artemis, "There, your huntress will still remain forever by your side. Thank you so much! I have to be there on time for the Council of the Gods. Zoe tried to sit up but cried out because of her still fresh wound. Artemis scooped her lieutenant into her arms and willed her chariot to appear. It was silver, with intricate designs engraved on it and it was drawn by the most beautiful deer he had ever seen. Moon lady asked us to carry you. Which one of you have donuts? It shook its mane, pleased to have gotten its attention. You like me, I knew I was special! Annabeth and Thalia had already got on their horses and they looked at Percy weirdly, was he talking to himself now? Artemis seeing the look on their faces smiled and said, "Children of Poseidon can speak to horses of any kind. I have decided you shall be my boss and only you can ride me. Thalia had slept through the entire journey; she must have been pretty exhausted to sleep when they were flying at such a high height. Annabeth was slumped over her Pegasus, staring straight ahead, seemingly mulling things over. They circled over midtown Manhattan, making one complete orbit around Mount Olympus. Percy had only been there once before, teleported by Artemis and if it was possible, Olympus amazed him even more. Towering at the peak of the mountain was the greatest palace of all, the glowing white hall of the gods. The pegasi set them down in the outer courtyard, in front of huge golden gates. Just as Percy made to push it open, the gates swung open majestically. Now he was not quite sure if they might be so lenient after I revealed part of my little secret to them. Sheesh, it was just a thought. For a moment, Thalia, Annabeth and I stood alone looking at each other, and then we gathered our courage and walked into the grand throne room. Twelve huge thrones made a U around a central hearth where Hestia tends to it. The ceiling glittered with constellations, with torches along the walls with flames glowing different shades, blanketing the room with colors. All of the seats were occupied. Each god and goddess was around fifteen-feet tall and once the demigods made their entrance; all the super-power beings turned their powerful and intense gaze to them. Percy shuddered, it was like they were scrutinizing you, watching your every move. Like stalkers, but just in a really obvious and direct way. Zoe was kneeling beside her throne, looking a healthy as ever, probably the reason why Artemis looked so happy. Percy looked over to Zeus; he was looking intently at Thalia. Percy swiveled his head towards his father who had his glowing green trident clasped in his hands. Poseidon could always make him feel better. She slid down from her throne and shrunk to human size so that she was a young auburn-haired girl, perfectly at ease in the midst of giant Olympians. She was surrounded by a faint silver glow, looking like she was walking in a column of moonlight. She showed no emotion on her face but her silver orbs for eyes were soft. We have voted to act. There was some mumbling and shuffling among the gods, like some were not happy with this plan, but no one protested. Lady Athena shall personally check on the other monsters to make sure they do not escape their various prisons. Lord Poseidon has given permission to unleash his full fury on the cruise ship Princess Andromeda and send it to the bottom of the sea. And as for you, my heroes!" Artemis turned to the immortals. Would any here deny that? They were quite awesome. He cleared his throat and began to recite: Percy grinned at the thought that his dad wanted to keep him and his friends alive so eagerly. If we kill them, it would be much safer since-" "We shall not blast my son and his friend to bits. They have done such courageous things, have you not seen it? They are worthy heroes. She has done well. But the boy is another case. What is this healing power you have, son of Poseidon?"

Chapter 4 : The Bible Teaches That the Heavens Were a Solid Dome, Embedded with Stars?

I am not the weight I lost or miles or ran and I am not the way I slept on my doorstep under the bare sky in smell of tears and whiskey because my apartment was empty and if I were to be this empty I wanted something solid to sleep on.

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Chapter 5 : Sunshine Skyway Bridge - Wikipedia

What will be the acceleration of a sky diver when air resistance is half the weight of the sky diver? do a force diagram. ($F_g = \text{weight}$) the force balancing F_g is $5 F_g$. the force summation equation would be $F_g + F_a = ma$.

For example, you can set it up with three poles for maximum strength or two poles if you want to save weight, with or without its inner tent, and with a mesh solid walled one for cold weather use or a mesh one, which will be available in summer. You can also detach and pack up the inner tent on wet mornings in order to store it separately from the wet rain fly, or attach it after the rain fly has been erected, when you set it up. Specs at a Glance Shape: CF is also available. SuperSil silnylon coated on both sides, mm Tent Architecture The easiest way to set up the Chinook 1Plus is to set up the rain fly and the attached inner tent at the same time. The rain fly hangs from the tent poles with clips, while the inner tent hangs from the inside of the rain fly with tiny buckles. While you can set up the fly alone and then crawl around under it to attach the inner tent, there are over a dozen tiny buckles that have to be attached during the process, which can be a bit time-consuming. The same can be said for packing up the inner tent first and then breaking down the rain fly. The tent has to crossing poles and an optional horizontal crossing pole that runs over the door zippers. The most important thing you have to know about the Chinook 1Plus tent is that it sets up drumhead tight, with the poles exerting considerable pressure on the rain fly, including the side door zippers. However, it complicates the assembly and breakdown of the tent a bit, because it requires a fair amount of elbow grease strength to get all the poles into their grommets, fly hooks around the poles, and interior connectors attached. Setup Options The foot end is narrower than the head end. This is the end that should be pointed into the wind. The outer tent has two crossing poles the slot into color coded grommets. The third optional pole crosses then at a near 90 degree angle and slots into grommets at the bottom of the two door zippers. You can tell which pole is which because the two crossing poles are straight, while the third has bends in two segments. Dual ceiling vents help eliminate internal condensation There are two roof top vents in the rain fly that act like transoms and can be propped open to promote airflow across the top of the tent. The inner tent has two mesh windows at the top of each interior door to permit air from the transom to flow through the inner tent. They have breathable fabric flaps so you can zip over the mesh to eliminate any draft. The vents in the fly and the inner tent do a great job at reducing the temperature differential that can cause internal condensation. The inner tent completely fills the rain fly. The inner tent has a diamond shape and completely fills the rain fly, so there is no vestibule storage space in the default configuration. The interior is quite large and comfortable that way. This is a standard option on this kind of tent, although you see it more on European brand tents than ones from US manufacturers. You can create a gear storage vestibule by releasing one side of the inner tent and folding it back. You can also use the Chinook 1Plus without the inner tent to save weight, by releasing the clips and hooks that hold the inner tent in place. Alternatively, you can sleep on the fitted Tyvek groundsheet that Big Sky provides with the tent, or use it with the inner tent to protect the floor from abrasion and punctures. You can detach the inner tent and pack it away or attach it after the rain fly has been set up to keep it dry in rain. A 1Plus mesh netting inner is not available because the Chinook 1Plus was originally intended as more of a winter and cold weather tent than a year-round shelter. The Chinook 2P is also available with a mesh inner and the breathable fabric inner, but weighs substantially more than the Chinook 1Plus. Why would you get the Chinook 1Plus instead of the Chinook 1P? That extra space vastly improves the livability of the tent on long winter nights or if you have to sit out crappy weather. It really is worth a few extra ounces of gear weight.

Chapter 6 : Team Sky to Ride the new Pinarello Dogma F10 at the Tour Down Under

CSI: Miami" Tonight at 10 on Ch. 2. Absolutely no stars. NOW that "Law & Order," has become as big a franchise as McDonald's, every suit in Hollywood is trying to turn one-hit wonders.

Request Information Safety Sky Zone is a place for everyone to play. We know you have plenty of options on where to play, so have an extreme commitment to the safety of yourself and fellow guests to make sure Sky Zone is always enjoyable. Please see below for a couple of rules we ask you kindly follow. We ask that you become familiar with and abide by the rules below and view the Sky Zone rules video and signage in park and at the Safety Zone. Remember, stay in your comfort zone. Flips or other tricks can be dangerous, so perform at your own risk. Jumpers should not engage in court activities without a Sky Zone Team Member present. Thank you for always following our safety guidelines. We care about your safety and injury healing time for personal injuries. Soft and Hard cast guests will not be approved for Sky Zone activities. Empty your pockets entirely. Walk onto and off of the courts. Be in control of your body. Master the fundamentals of single trampoline jumping before moving onto more advanced skills, such as aerial or flipping-type skills. Bend your knees to stop your bounce. Bounce in the center of the trampoline. Perform at your own risk. Flips and other tricks can be dangerous. Land on the closest trampoline when bouncing and flipping off trampoline side walls. Land on your head or neck. If a guest enters your trampoline, discontinue jumping until the guest has exited your space. Attempt any skill or activity outside of your personal limitations, abilities, or skill level. Do more than two single flips in a row. Have anything in your mouth gum, candy, etc. Sit or lie on the court. If you are tired and need to rest, you must exit the court. Push, tackle, run on flat surfaces, race, or engage in horseplay of any kind. Touch any perimeter netting or top pads. Wear wet clothes or unapproved body paint. Jump if a Sky Zone Team Member is not present. Own Your Own Sky Zone!

I no longer remember what it was like to not be crushed under the weight of water. I no longer remember what the sky looked like not warped and wearied through waves. Sunlight splinters, and each piece is deadly with accusation and misguided well-wishes.

You must 18 years old, and be able to legally sign the waiver and binding contract. Our Maximum weight limit for Tandem Students is lbs kg. Our Maximum weight limit for AFF students is lbs kg. If you are over 70 years of age, then please consult with us first about your ability to make a skydive. Not everyone can skydive. There are many variables to skydiving and weight is just one of them. The parachute systems have a maximum designed weight limit. On a tandem jump, we add up the total weight of the passenger, the gear, the Tandem Instructor to make sure we are not outside the limits of the equipment. If you are elderly, then there is a whole host of questions we would like to discuss with you to ensure that you are a suitable candidate for a skydive. Even if you are within the weight limit, your Body Mass Index and body shape may make any skydive more of a risk to you. Tandem skydives You have all of your weight sitting on the thighs during the parachute ride down. This can make it very uncomfortable if you are overweight for your height. Nausea, loss of circulation, and even unconsciousness under the parachute can happen. Students sometimes have trouble lifting their legs for landing, making injury more likely. The harness sometimes cannot be fitted properly or safely. Larger passengers often have to jump with smaller tandem instructors, making their job difficult and their risk of injury greater. AFF students There is more to it than just sitting in the harness. You have to deploy the parachute, steer, maneuver, as well as deal with emergencies and possible malfunctions. A larger, heavier person means a larger parachute; which means more strength is required throughout the skydive to steer and land the parachute. Decreased flexibility if you are overweight or have poor body shape means that you may not be able to reach handles, deploy the parachute or deal with emergency situations properly. Skydiving is NOT an amusement ride. It is a training environment. Even a Tandem skydive requires the student to participate in the skydive to some degree. Skydive City reserves the right to refuse service to anyone for the safety of our students and our instructors. Here is a graph to better understand skydiving weight restrictions.

Chapter 8 : Skyscraper - Wikipedia

According to scientists, the weight of the average cumulus cloud is million pounds! Think about that for a moment. This means that at any given moment, there are millions of pounds of water floating above your head.

Posted on October 16, by Lose Weight and Gain Health I felt very tired today so decided to take care of myself by resting a little and eating well. I have got really sore feet from walking so far in shoes that were too small. The shoes have been given away as I am not going through this again. I also made an effort today because I have been amongst several people recently with colds and I do not want to catch one. So I started my day with a hot water with ginger, lime and cayenne pepper. As I drove back to Hastings from St. It was very cloudy but there were gaps in the sky where you could see rays of sunshine streaming though. Last night I had soaked 1 cup of buckwheat groats in water so they were softer and easier to cook this morning. I fancied making a porridge with cinnamon and a fresh orange. Warming and comforting and packed with nutrients. I made sure I was well hydrated all day and sipped plenty of water. I spent the day doing paper work as it needed doing and was a sedentary activity. To make my room smell lovely I burnt palo santo which I love. These two kept me company all day. I love how Beryl finds the sunny spot to sit in. For lunch I made a salad from an Anna Jones recipe book. It was really good but can be better and when I have made it again I will share the recipe. It was slices of cucumber, with crispy garlic slices, broccoli stir fried until crispy in soy sauce, maple syrup and sesame oil with chilli and a peanut dressing made with peanut butter, fresh ginger, lime juice and maple syrup. It was good but I had converted a recipe for 4 in to a recipe for 1 but made several mistakes. So I will make it again and then share the recipe. We had a yellow and orange afternoon. The world became darker and yellow. The sun was a bright blood orange colour and we ended with a gorgeous sunset. The sky became orange and apparently this is due to all the sand from the Sahara in the sky, blown over by hurricane Ophelia. I am not sure why this one is pink as it should have been orange. For supper I made a simple salad with cucumber, tomato and alfalfa sprouts. I heated up 2 of the mini burgers there were 8 in the packet and I made sweet potato fries. I rubbed the fries with a little oil, seasoned them with salt and pepper and added 1 tbsp polenta to add crunch. Served with 2 tbsp humous. It was very tasty.

Chapter 9 : Consent Form | Popular Science

In Greek mythology Atlas was the Titan god who bore the sky aloft. He personified the quality of endurance. Atlas was a leader of the Titanes (Titans) in their war against Zeus and after their defeat he was condemned to carry the heavens upon his shoulders.

Then they hammered out gold sheets and cut them into threads to be woven in with the blue and the purple and the scarlet material, and the fine linen, the work of a skillful workman. Then God said, "Let there be an expanse in the midst of the waters, and let it separate the waters from the waters. And there was evening and there was morning, a second day. Now over the heads of the living beings there was something like an expanse, like the awesome gleam of crystal, extended over their heads. For the choir director. A Psalm of David. The heavens are telling of the glory of God; And their expanse is declaring the work of His hands. Nay, most of them know not. We send down rain from the sky, and produce on the earth every kind of noble creature, in pairs. And the mountains quaked, and their corpses lay like refuse in the middle of the streets. For all this His anger is not spent, But His hand is still stretched out. At Your rebuke they fled, At the sound of Your thunder they hurried away. The mountains rose; the valleys sank down To the place which You established for them. And those are the ten thousands of Ephraim, And those are the thousands of Manasseh. Who has gathered the wind in His fists? Who has wrapped the waters in His garment? Who has established all the ends of the earth? The treacherous deal treacherously, And the treacherous deal very treacherously. Have you not heard? His understanding is inscrutable. You who go down to the sea, and all that is in it. You islands, and those who dwell on them. Flee from the Chaldeans! They will not be lamented, gathered or buried; they will be like dung on the face of the ground. And they will remain, Because at that time He will be great To the ends of the earth. And He will speak peace to the nations; And His dominion will be from sea to sea, And from the River to the ends of the earth. I stretched out the heavens with My hands, And I ordained all their host. But where is the fury of the oppressor? Thus declares the Lord who stretches out the heavens, lays the foundation of the earth, and forms the spirit of man within him, Zechariah This is the account of the heavens and the earth when they were created, in the day that the LORD God made earth and heaven. They will perish, but you remain; they will all wear out like a garment. Like clothing you will change them and they will be discarded. But you remain the same, and your years will never end. The heavens, even the highest heaven, cannot contain you. How much less this temple I have built! Who then am I to build a temple for him, except as a place to burn sacrifices before him? You made the heavens, even the highest heavens, and all their starry host, the earth and all that is on it, the seas and all that is in them. You give life to everything, and the multitudes of heaven worship you.