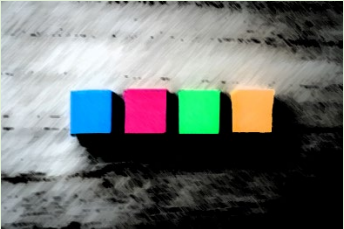


## The Genesis Flood

*“Now the flood was on the earth forty days. The waters increased and lifted up the ark, and it rose high above the earth. The waters prevailed and greatly increased on the earth, and the ark moved about on the surface of the waters. And the waters prevailed exceedingly on the earth, and all the high hills under the whole heaven were covered.” Genesis 7:17-19*

The global flood described in Genesis 6 – 9 resulted from God’s judgement on humans. It was a historical global event that claimed all terrestrial life except for those that were on the ark that God had instructed Noah and his family to build. Since it was a real cataclysmic event that occurred approximately 4,500 years ago, we should see evidence in our world today. In 2025, the Creation Club will explore the Biblical account and make observations of evidences that we find in nature, geology, and the field of science.

Month	Scripture	Science Observation	Activity/Experiment
<b>January</b>	<i>“Now it came to pass, when men began to multiply on the face of the earth, and daughters were born to them ... Then the Lord saw that the wickedness of man was great in the earth, and that every intent of the thoughts of his heart was only evil continually. And the Lord was sorry that He had made man on the earth, and He was grieved in His heart.” Genesis 6:1-6</i>	The population of the pre-flood earth was significant. Compare possible pre-flood global populations to the current population. Talk about a Biblical perspective on population growth.	<p><a href="https://www.ined.fr/en/everything_about_population/population-games/world-population-me/">https://www.ined.fr/en/everything_about_population/population-games/world-population-me/</a></p> <p><a href="https://worldpopulationhistory.org/map/1/mercator/1/0/25/">https://worldpopulationhistory.org/map/1/mercator/1/0/25/</a></p> <p><a href="https://youtu.be/KyAKEisg2PQ">https://youtu.be/KyAKEisg2PQ</a> multiplying rabbits</p> <p>We are going to take a look at a simple problem where we can apply factorials.</p>  <p>Four the four color blocks. How many different ways could we line them up?</p> <p>In this problem, we have to solve a “permutation,” or in other words, we have to find out all of the possible ways that these 4 cards can be ordered.</p> <p>If we start by making all of the possible lines that start off with the blue block, we can make 6 combinations:</p>

			<p>We'll also have 6 possible combinations with each of the other colors. In other words, 6 combinations starting with each color block: <math>4 \times 6 = 24</math></p> <p><b>There are 24 different ways to order them.</b></p>
<b>February</b>	<p><i>"This is the genealogy of Noah. Noah was a just man, perfect in his generations. Noah walked with God. And Noah begot three sons: Shem, Ham, and Japheth."</i> Genesis 6:9-10</p> <p><i>"Now this is the genealogy of the sons of Noah: Shem, Ham, and Japheth. And sons were born to them after the flood..."</i> Genesis 10</p> <p><i>"Look now at the behemoth, which I made along with you; he eats grass like an ox. See now, his strength is in his hips, and his power is in his stomach muscles. He moves his tail like a cedar; The sinews of his thighs are tightly knit. His bones are like beams of bronze, his ribs like bars of iron."</i> Job 40:15-18</p>	<p>Dinosaurs were present when Noah was alive and were on the ark.</p>	<p>Learn about dinosaurs.</p> <ul style="list-style-type: none"> <li>• Watch video about dinosaurs in the Bible</li> <li>• Learn about the different kinds of dinosaurs</li> <li>• Look at dinosaur bone fossils</li> <li>• Talk about how dinosaurs could fit on the ark</li> <li>• Sidewalk chalk dinos</li> </ul>
<b>March</b>	<p><i>"Make yourself an ark of gopherwood; make rooms in the ark, and cover it inside and outside with pitch. And this is how you shall make it: The length of the ark shall be three hundred cubits, its width fifty cubits, and its height thirty cubits. You shall make a window for the ark, and you shall finish it to a cubit from above; and set the door of the ark in its side. You</i></p>	<p>God is a master designer and provided a perfect design for the ark.</p>	<p>Build a "tank" to float ark prototypes in it. (Line the concrete washout with visqueen and fill it with water.) Have the club members try out different ark prototypes and see which one handles the wind and waves the best. Compare the winning design to the ark description in Genesis 6.</p>

	<i>shall make it with lower, second, and third decks.” Genesis 6:14-16</i>		
<b>April</b>	<i>“Then the Lord said to Noah, “Come into the ark, you and all your household, because I have seen that you are righteous before Me in this generation. You shall take with you seven each of every clean animal, a male and his female; two each of animals that are unclean, a male and his female; also seven each of birds of the air, male and female, to keep the species alive on the face of all the earth.” Genesis 7:1-3</i>	How did the animals fit on the ark? Discuss animal kinds and the logistics of keeping animals on the ark for a year.	Learn about zoology by taking a field trip to Micke Grove Zoo. Admission is \$5 for adults, \$3 for children, and free for 2 years and under. Have the children make a list of animal kinds and observe how animals are cared for.
<b>May</b>	<i>“In the six hundredth year of Noah’s life, in the second month, the seventeenth day of the month, on that day all the fountains of the great deep were broken up ...” Genesis 7:11-12</i>	Where did all the water come from? Talk about the sources of the water and why the flood had to be a global flood.	Saturday field trip to the beach to learn about waves and tsunamis. <ul style="list-style-type: none"> <li>• Observe the waves.</li> <li>• Simulate waves, wave energy, and movement with a rope.</li> <li>• Discuss the difference between normal waves and tsunami waves.</li> </ul>
<b>June</b>	Mid-year break		
<b>July</b>	<i>“... and the windows of heaven were opened. And the rain was on the earth forty days and forty nights.” Genesis 7:11-12</i>	The water cycle and climate change	Learn about the water cycle. <ul style="list-style-type: none"> <li>• Do the water cycle boogie.</li> <li>• Use the erosion table to demonstrate different aspects of the water cycle.</li> <li>• Cloud in a bottle. <a href="https://youtu.be/23-Ks9Wy19I?si=2cd7NtDKx-MuHoYN">https://youtu.be/23-Ks9Wy19I?si=2cd7NtDKx-MuHoYN</a></li> </ul>
<b>August</b>	<i>‘And the waters prevailed exceedingly on the earth, and all the high hills under the whole heaven were covered.’ Genesis 7:19</i>	Erosion and sedimentation	Take a virtual trip to the Grand Canyon. <ul style="list-style-type: none"> <li>• Study the layers in the Grand Canyon</li> <li>• Talk about how the layers were formed</li> <li>• Talk about how the layers were exposed (or how the canyon was formed).</li> <li>• Simulate the erosion using the erosion table.</li> <li>• Show fossils found in the Grand Canyon</li> </ul>
<b>September</b>	<i>‘And all flesh died that moved on the earth: birds and cattle</i>	Fossils	Saturday field trip at Shell Ridge in Walnut Creek.

	<i>and beasts and every creeping thing that creeps on the earth, and every man. The waters prevailed fifteen cubits upward, and the mountains were covered. ' Genesis 7:20-21</i>		Look for marine (ocean) shell fossils. Talk about how they got deposited in Walnut Creek.
<b>October</b>	<i>'And the waters receded continually from the earth. At the end of the hundred and fifty days the waters decreased. Then the ark rested in the seventh month, the seventeenth day of the month, on the mountains of Ararat. ' Genesis 8:3-4</i>	Tectonic plate movement, subduction, and uplift.	Learn about rapid tectonic plate movement and how the continents were formed. <ul style="list-style-type: none"> <li>• Look at map of tectonic plates and observe where they are colliding and where they are pulling away from each other.</li> <li>• Look at the topography and geology of the collisions zones.</li> <li>• Do some crash testing with clay at high and low speeds and observe the crumple zone.</li> </ul>
<b>November</b>	<i>'I set My rainbow in the cloud, and it shall be for the sign of the covenant between Me and the earth. It shall be, when I bring a cloud over the earth, that the rainbow shall be seen in the cloud; and I will remember My covenant which is between Me and you and every living creature of all flesh; the waters shall never again become a flood to destroy all flesh. The rainbow shall be in the cloud, and I will look on it to remember the everlasting covenant between God and every living creature of all flesh that is on the earth.' ' Genesis 9:13-16</i>	The Rainbow – God's promise	Learn about the optics of a rainbow and the color spectrum. <ul style="list-style-type: none"> <li>• Make rainbow makers.</li> <li>• Learn about light waves and frequencies</li> <li>• Talk about God's promise to never flood the earth again.</li> </ul>
<b>December</b>	Holiday break.		