MASTERMIND
OUTPOST ADVENTURE
Achievement Sampler #9

Use this sampler to complete some CSB Achievement at home. Your parent, another relative or a family friend can help you with the memory verses and the individual Achievements. When you are done, show your completed work to your Stockade Ranger. He can help you get the entire Outpost Adventure and earn the Patch and Honor Star.

Print this pdf as a "Booklet" or "Multiple" using Adobe Reader.

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Builder Memory Verse: Proverbs 13:20

"Whoever walks with the wise becomes wise, but the companion of fools will suffer harm."

Sentinel Memory Verse: James 1:5

"If any of you lacks wisdom, let him ask God, who gives generously to all without reproach, and it will be given him."

RIDDLES

A riddle is a question or statement intentionally worded to challenge the mind in understanding its answer or meaning. Use these to keep your friends guessing. After you figure them out, try them on two other people. **Tell your Ranger which ones were the most fun and the most challenging.**

○ Peter's mother has four children; three are Tam, Tem and Tim. What's the other child's name?

○ An amateur archaeologist is selling artifacts he found in some Roman ruins, including a coin dated 4 BC, right around the time of Christ's birth. How much would you pay for such a treasure?

○ A brilliant scientist has been searching for a substance which will dissolve anything. One day, he announces he has produced his first bottle of the new product. How much money should you invest in his discovery?

○ A rooster awakes at dawn and climbs to the roof of the barn. It stands on the west side and crows three times. It stands on the east side and crows three times. Then it stands on the very peak and lays an egg. Which side of the roof does the egg roll down?

○ An airplane is flying from Chicago to Winnipeg. It tragically crashes directly on the US-Canada border. Forty two people are killed; 27 Canadians, 15 Americans. Where do they bury the survivors?

HEART BEAT CODE

Ranger Bradley is in the hospital. He has sent a strip of his ECG (electrocardiogram) to show the Stockade just how bad the problem is with his heart. But as you look closer, you realize that things aren't quite what they seem to be. **Use the resources in this book to determine the message hidden in the graph. Then tell your Ranger what it means.**

BURIED TREASURE

Hiding a treasure is a lot more fun than trying to find one. Of course, the same reward isn't there, but when you consider the challenge you are giving someone else, it is a worthy thing to do. Jesus gave his disciples several treasures to find. He gives them to us, as well. Whether it is to, "Go and make disciples of all the nations" or, "If you love me, you will keep my commands", it's not until we follow His instructions that we discover the true value of the treasures that He has for us to find.

Put together a small bag or box of treasure to hide inside the house. It can include an old favorite toy, a new toy, some candies and some of your favorite Bible verses. Think about where you are going to hide your treasure and how you are going to have it blend in with the surroundings. Get a piece of paper and plan out your clues to finding it. This is only a plan. Then go and hide it.

Make sure no one sees what you are doing. Once it's hidden, make up your list of instructions and clues. You can draw out a detailed map, add a poem, or compass directions and paces. You can include a riddle or scrambled words to make it harder.

Ask an adult to review your treasure clues and then give them to a friend or parent and see if they can find the treasure. Allow them to keep the treasure.

Show your Ranger your treasure clues and tell him what happened.

Morse Code is a language developed by Samuel Morse and Alfred Vail in 1836 as a means of communicating over vast distances. Originally, the signal was transmitted by telegraph over one suspended copper wire with the earth (ground) completing the electrical circuit. With the discovery of radio, Morse Code was broadcast as a series of sparks which took messages over the oceans.

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

Morse Code image from wikicommons - public domain

MORE RIDDLES

Riddles have been used throughout history to sharpen the mind. Most people know one or two good ones. **Try to figure out the solutions to these and share them with your Ranger. Then tell him a new riddle and see if he can figure it out.**

○ You have two identical piggy banks. One is filled with $5 gold coins. The other is half-filled with $10 gold coins. Which is worth more?

○ A friend has three times as many sisters as brothers. Each of his sisters has the same number of brothers and sisters. How many brothers and sisters does your friend have?

○ What is greater than God and more evil than Satan? The poor have it, the rich need it, and if you eat it, you'll die?

○ What is NTET TFFS SENT TTTT?

○ Two fathers and two sons went duck hunting. They each shot one duck to take back to camp for their meals. They carefully carried their quarry, losing none, but when they arrived, they only had three ducks between them. How can this be?

○ I am the start of everything and the end of time and space, the beginning of every end, and the end of every place. What am I?

○ You reach a fork in the road of life. A sign explains that only one way leads to Heaven. One path is blocked by an angel, the other by a demon, but the paths and the guards look identical. You want to go to Heaven. A book lays open and on the page is written, "Of these two, one always lies, the other always tells the truth. Ask one guard one question and pass through." What question do you ask?

In 1943, with World War II raging around the globe, nickel metal was in short supply. To ensure there was enough for the war effort, the Canadian mint issued the Victory Nickel, made of copper and zinc. In 1944 and '45, with those metals also needed, the nickel was made out of chrome-plated steel. What few people noticed was the message hidden in the dots just inside the coin's rim. **Starting at the base of the arrow, decode it. Then explain what it means to your Ranger.**
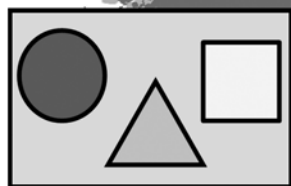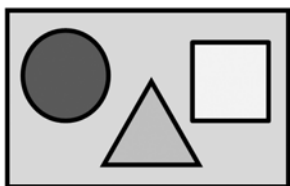
Too often, what we see is not what we are observing. Look at these two diagrams. Each has a circle, triangle and square. They look identical, but they are actually one stereoscopic image. This is now called VR or virtual reality viewing. By staring at the two images and allowing your eyes to wander, the two images become three, with the center one being in 3D.

Try it. You should see the circle at the front and the square at the back. If this doesn't happen, don't be concerned; not everyone has this ability. (But, try hard.)

Now, look at the images of an old Zambian banknote. The true one is in the middle. By viewing them stereoscopically, you can see which one is identical and which one is a fake. **There are five differences to be found.** Only one is easy, but it only takes one to spot the impostor. This is the way it is for most things - you only need to know the "true one" well in order to spot the fake. **Tell your Ranger which one is the fake and why.**

IMAGE 1   **ORIGINAL TRUE IMAGE**   **IMAGE 2**