



*Valeriy Zhiglov*



# *Snowflake*



*Paper construction set  
for kids*



Valeriy Zhiglov

**Snowflake. Paper  
construction set for kids**

«Издательские решения»

**Zhiglov V.**

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This book may be the best gift for your child. It may be a methodological book to train abstract imagination and logical thinking in children, as well to let them gain specific creative skills. It is only we ourselves, who can transform our ordinary everyday life into a fabulous story, and to contribute into creating the new World, more beautiful and really miraculous.

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# Содержание

When it is snowing...	6
Конец ознакомительного фрагмента.	11

# **Snowflake**

## **Paper construction set for kids**

**Valeriy Zhiglov**

*No need to cast a magic spell to learn creating miracles, transforming our world into mosaic pattern place*

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## When it is snowing...

When it is snowing, mysterious snowflakes dance to take us back into the past, where we again and again want to sledge, make a snowman, play snowballs and view amazing snowflakes, just tiny pieces of ice in fact. Many people enjoy romantic inspiration looking at snow falling down from the sky.



Read “The Meaning of the Snowflake” a wonderful poem about snow for kids, written by Holley Gerth, a famous British poet.

*Every new snowflake comes to the earth  
as a picture of our Saviour’s birth,  
because they are sent from up above  
and remind us of God’s care and love.*

*Each one is so intricate and small  
because Christ sees the details of us all,  
and just as two are never the same  
the Lord knows and calls us each by name.*

*Snowflakes gently cover the world in white  
and hide what’s unlovely from our sight,  
showing us how He covers our sin  
and gives us His grace when we come to Him.*

*So may every snowflake bring Christ to mind*

*and in every bit of white may you find  
a reason to celebrate anew  
and a reminder of His love for you.*



It has been known for quite a while, that no two similar snowflakes exist.

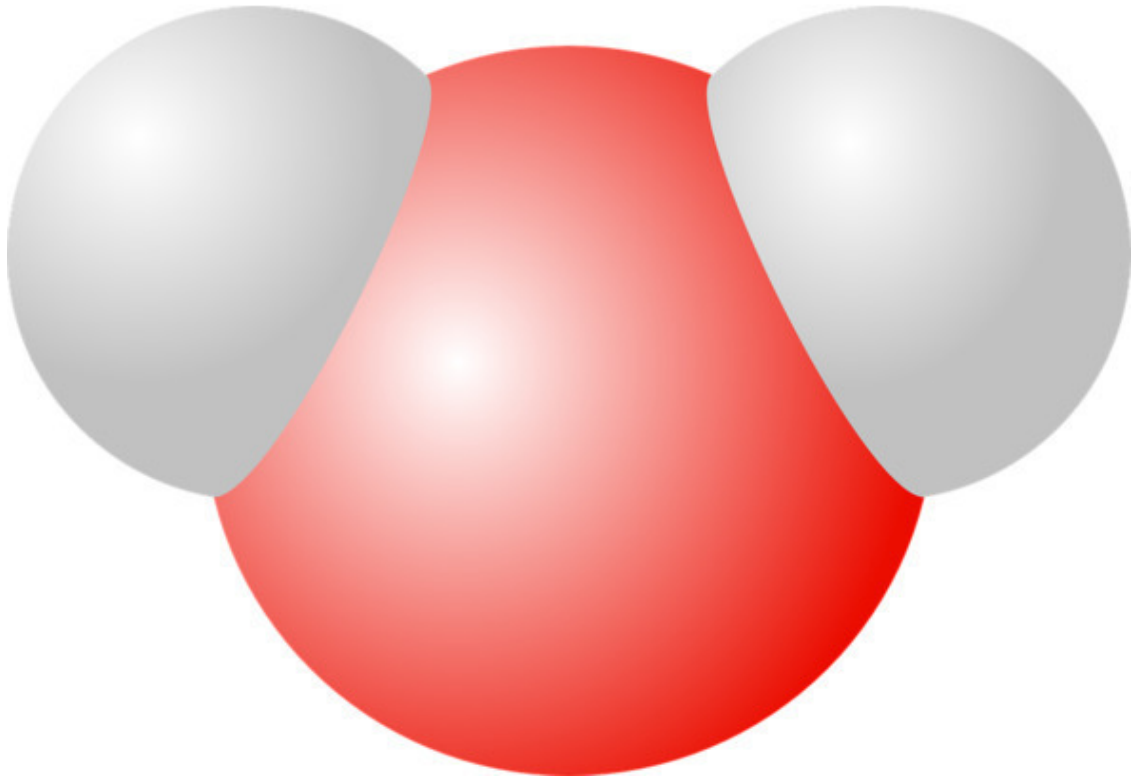
Masaru Emoto, a popular researcher from Japan, who studied water crystallization for long time, once told:

*“To understand water means to understand the Universe, all miracles of nature  
and the life itself”.*

To understand how those mysterious and unique patterns are created in a snowflake, let us recall what a particle of liquid water is.

This smallest particle is called a molecule of water.

A molecule of water in some way reminds a triangle, which consists of one atom of oxygen and two atoms of hydrogen. Negative charge prevails at one side of it, and positive charge prevails at another side of it. Via its negatively charged edge, this molecule of water may attract another molecule of water, via the positively charged edge of this second molecule of water. The multitude of the tiniest particles of water, being attracted to each other, creates miscellaneous connections, also called clusters.



#### The water molecule

Clusters act as memory cells, where water retains the information perceived. Water reacts to anything around, any activity. The water itself is the basis of all living creatures, being the major information carrier in nature. Even in a brain of a human, its bigger part is water.

Multiple experiments proved water possesses elements of hearing, vision, sense of smell, sense of touch, memory and even the elements of minds. Therefore, water carries a sort of life source, without which even emerging life is not possible. Thus, the expression “live water” should be taken literally.

All substances and creatures comprising water, starting from mineral crystals, viruses, bacteria, sea grass and plants, should, in some way, be given features, which are an integral part of all our Universe! There are some prove for this.

Scientists from Holland published an interesting message saying plants are capable of communicating to each other. The scientists discovered that plants, which are in danger, attacked by invaders, release substances, which activate protection mechanisms in neighbor, uninvolved, plants.

They found out seeds of some plants, when grow, talk to each other. Something similar takes place with chicks, which start breaking the eggshell simultaneously.

Scientists from Russia reported about amazing properties of microscopic bacteria, which, too, are capable of communicating to each other to agree upon their actions, as if they had shared mind.

It is not impossible, further studies in the art might bring unbelievable discoveries.

Therefore, it becomes more and more obvious, that water is the basis of all living nature.

Here is what is written in the Bible on the matter:

*And God said, “Let the water teem with living creatures, and let birds fly above the earth across the vault of the sky.”*

*Book of Genesis 1:20*

Modern astronomers discovered water is everywhere in the Solar system. It is on the Moon, on Mars, Mercury, on some satellites of Jupiter and Saturn, in comets and asteroids. Water vapor is found even on Sun, in spots on its surface.

Enormous amount of water is on our planet Earth in form of oceans, seas, lakes, rivers and glaciers. Much water is in form of vapor in atmosphere, which maintains natural water cycle.



Sea water

If the atmosphere humidity is above norm, the water vapor becomes water drops raining down to earth and feeding plants with live water.

When water vapor freezes in atmosphere, one can see beautiful patterns of snowflakes as if coming from fairytales and covering soil with thick white layer.

In water ice crystals, water molecules create various geometric figures: triangles, rhombs, and trapezoids.

If we cut the seven sheets of paper with different colors into those geometric figures, with those figures we may compose various nice mosaic patterns.

To do so, we need sheets of color paper, properly lined; also we need scissors (those with rounded tips would be better), also we need sheets of white cardboard, on which we are going to arrange those patterns, and also we need some paper glue.



Winter landscape

From the color paper sheets, properly lined (see the Appendix: Fig.1—7), we cut off corresponding geometric figures, based on which, we would compose various nice patterns.

Putting lines on the color paper sheet would be better on uncolored side of the sheet. If both sides of a sheet are colored, the side of mosaic elements without lines should face up.

The construction kit for kids may also use standard sets of symmetric trapezoids with sides  $2 \times 2 \times 2 \times 4$  cm), made of color cardboard or high-density paper, with only one set of geometric figures with different colors.

The shape of a symmetric trapezoid allows up to 24 kinds of various combinations with only two similar elements (Fig.8).

## **Конец ознакомительного фрагмента.**

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