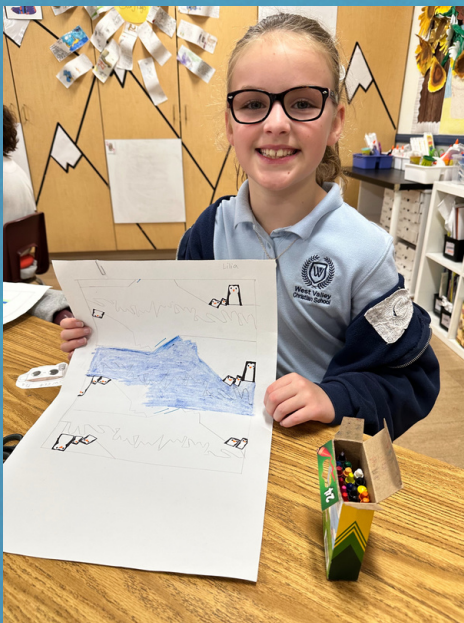


EXPLORING MATHEMATICAL WONDERS

Fourth grade completed a unit on geometry recently, learning about order, design, and how math helps us to create orderly designs. They studied lines, angles, circles, and polygons and discovered how to find the area and perimeter of different regular and complex polygons. Fourth grade studied different patterns and designs within the mathematical realm, and in our created world. Fourth grade is learning how studying patterns and design in our world helps us build understanding of the world around us, and give glory to God as our creative Creator.

To wrap up their learning, students learned about tessellations and the artist M.C.Esher, who created many mathematical pieces of art with tessellations. Students had the opportunity to apply their knowledge of polygons in creating their own tessellation. Through this activity, students had the opportunity to design their own unique shapes and create a designed, interlocking pattern. In this way, students were able to see God's character of being an ordered Creator and put those same characters into practice as His image bearers.

Fourth grade is excited to continue learning about our great God through mathematics! Next, students will be studying how we can use math to help us live wisely in the world. We can't wait to share more about where their learning takes them.



VALUES IN MATH

Now, let's delve into how our mathematical curriculum is intricately woven with Christian values, aligning with Bloom's Taxonomy:

Values in Math for 4th Grade:

Our exploration in **FUNDAMENTALS OF MATH, Third Edition**, is framed by Christian values, focusing on knowledge, modeling, reasoning, design, and ethics.

In understanding the value of knowledge, students grasp the concept of God's absolute knowledge as the foundation of mathematics, resisting the deification of man or mathematics itself.

The value of modeling aligns with the acknowledgment of God's creation of an orderly universe. Students learn to navigate biases and assumptions, ensuring effective modeling while guarding against unwarranted standards for truth.

Reasoning, a key aspect of God's design for mankind, is emphasized through mathematics. Students recognize that mathematical consistency, while crucial, is not sufficient to determine ultimate truth.

The ability to recognize and mathematically model patterns is viewed as a reflection of God's design. Exploring consistent patterns in the world and studying probability deepens their appreciation for the intricate design inherent in creation.

Ethical considerations in mathematics are paramount. Students engage with questions about accurate data portrayal and the ethical use of statistics, emphasizing the responsibility of using mathematical knowledge ethically.

In summary, these biblical worldview themes serve as guiding principles for students to think biblically about mathematics. From recalling and explaining these themes, students progress to evaluating ideas within them, formulating a biblical understanding, and applying their learning to real-world situations.

We are excited to continue this exploration of our great God through mathematics. Stay tuned for more updates on their inspiring learning journey!