

KETTLE MORAINÉ LUTHERAN HIGH SCHOOL

MATHEMATICS DEPARTMENT

Graduates of the KML Mathematics Department will be . . .

1. *Growing Christians who are able to:*

1.1 develop their math skills in light of new developments in their lives and in society

2. *Proclaiming Christians who are able to:*

2.1 demonstrate God's order of creation in the logical structure of math

3. *Discerning Thinkers who are able to:*

3.1 organize a plan to complete a project

3.2 recognize and analyze patterns and incorporate them into problem-solving situations

3.3 decide upon an appropriate tool for solving a problem

3.4 apply their mathematical background to decision-making in new situations

3.5 recognize the potential, as well as the limitations, of mathematics in advancing the quality of life

4. *Self-Directed and Lifelong Learners who are able to:*

4.1 integrate the rules of mathematics into solving problems

4.2 apply numbers, variables, and data analysis effectively in real-world situations

4.3 integrate mathematical reasoning into producing a solution

4.4 evaluate a problem and choose an appropriate strategy to resolve it

4.5 justify solutions to their work

4.6 explore areas of mathematics for career and recreational value

5. *Collaborative Contributors who are able to:*

5.1 contribute in solving group projects

5.2 communicate effectively to relate their understanding of mathematics

5.3 develop and complete tasks assigned to them

6. *Servant Leaders who are able to:*

6.1 utilize their God-given abilities in mathematics by serving others and the church

7. *Dedicated Stewards who are able to:*

7.1 evaluate and build on their previous knowledge of mathematics

7.2 apply mathematical concepts to guide their lives of Christian stewardship

7.3 incorporate their mathematical knowledge and skills as a productive member of society