

2021-22 CFIS Comparison of Math Offerings in Grades 4-6

| | Advanced Math Courses 4-6 | Advanced Math Clusters 4-6 | Math 4-6 |
|---------------------------------------|---|---|--|
| Student Selection Criteria | Enrolled students must meet identified selection criteria to participate – see 2021-22 Academic Offerings for Gifted and/or Advanced Learners at CFIS for more details. Points are accrued in a variety of ways, including Gifted ID in Math, Gifted ID in Superior Cognitive Ability, performance on Readiness Tests, and/or iReady Math qualifying percentile scores. Data is compiled each year to identify additional students who may show readiness to move into more rigorous coursework via completion of a Bridging pathway. Eligible students may move into Advanced Math courses at the beginning of each school year. Students are expected to maintain an 80% average or above on assessments in these courses. | All students not enrolled in Advanced Math are enrolled in Math 4-6. Students who meet eligibility criteria are clustered by their ability via cluster grouping within each heterogeneously grouped Math class in grades 4-6. Student data continues to be monitored throughout each school year to ensure all students are appropriately challenged and students move into Clusters as they are eligible. This placement is grade/age-level appropriate AND can allow students to reach Advanced Placement math offerings within CFHS. Students in an Advanced Math Cluster in grade 6 may will be encouraged to enroll in Advanced Math Applications in 7 th grade at CFMS. | All students not enrolled in Advanced Math are enrolled in Math 4-6. Students may be clustered by their ability via flexible grouping, etc. within heterogeneously grouped classes. Student data continues to be monitored throughout each school year to ensure all students are appropriately challenged. This placement is grade/age-level appropriate AND can allow students to reach Advanced Placement math offerings within CFHS. Students in Math 6 may meet eligibility to enroll in Advanced Math Applications in 7 th grade at CFMS - see 2021-22 Academic Offerings for Gifted and/or Advanced Learners at CFMS (will be hyperlinked to criteria) may enroll via Parent Override – contact Kyle Patterson at CFMS for information by March of your child's 6 th grade year. Thoughtful consideration of data and the strengths and needs of each student should inform placement in the course offering which will most appropriately meet his/her needs. |
| Standards Integration | Integrates grade level and above-grade level standards. Advanced Math 4 includes all of 4 th grade Math and the first part of 5 th grade Math; Advanced Math 5 includes the remainder of 5 th grade Math and all of 6 th grade Math; Advanced Math Applications 6 includes 7 th and 8 th grade Math. Courses assume mastery of standards within previous grades. | Integrates grade level standards, with ongoing opportunities to extend learning and to enrich grade level experiences. Occasional access to accelerated/above grade level content via projects and replacement activities are provided per unit. | Integrates grade level standards, with occasional opportunities to extend learning above-grade level AND to address below-grade level standards, as needed. |
| Social & Emotional Needs | Incorporates enrichment and collaborative work designed to challenge gifted/advanced students and promote perseverance in problem-solving, while affectively addressing the social/emotional needs of gifted students. Activities make connections to other grade level and above-grade level content areas. | Incorporates enrichment and collaborative work designed to challenge gifted/advanced students and promote perseverance in problem-solving, while affectively addressing the social/emotional needs of gifted students. Activities make connections to other grade level and above-grade level content areas. | Incorporates access to enrichment and collaborative work designed to promote problem-solving, as appropriate. Activities reflect social/emotional needs of grade level learners and make connections to other grade level learning within other content areas. |
| Pace & Content | Curriculum moves at a rigorous pace, allows for in-depth discussion and analysis of problems, and provides a wider breadth of content. Progress-monitoring check points are expected to be met throughout the course to continue in the program. Completion of the 3-year program prepares students to enter Algebra I (for HS credit) in 7 th grade. Advanced Math 4 compacts 4 th grade Math with a portion of 5 th grade Math. Advanced Math 5 compacts the remainder of 5 th grade Math with all of 6 th grade Math, preparing students to take the 6 th grade Math AIR test. Advanced Math Applications 6 compacts 7 th and 8 th grade Math, preparing these 6 th graders to take the 7 th grade AIR test. | Curriculum moves at a pace which allows for in-depth discussion and analysis of problems, and provides a wider breadth of content. Progress-monitoring check points are used to determine readiness of Cluster students to access accelerated content and/or enrichment activities. While students may access above-grade content, Cluster students are assessed on grade level Math AIR tests each spring. Participation in Advanced Math Clusters prepares students to move into Advanced Math Applications 7 in grade 7, which compacts 7 th and 8 th grade Math into a single year. Advanced Math Applications 7 leads to Algebra I (for HS credit) in 8 th grade. | Curriculum moves at a pace which accommodates varying needs of students within the class. Progress-monitoring is used to determine readiness for enrichment and/or need for intervention within and outside of class to ensure readiness for the next grade level of Math. Progress-monitoring is also used to identify student readiness for more rigorous coursework. Completion of these courses prepares students to enter HS credit coursework either in 8 th or 9 th grade (Algebra I). |
| Curriculum Design | Curriculum designed in collaboration with Math teachers, our K-12 Math Coach, and the Director of Curriculum/Gifted Coordinator to incorporate higher-level thinking skills, creative thinking, and gifted education pedagogy. | Curriculum designed by Math teachers, our K-12 Math Coach, and the Director of Curriculum/Gifted Coordinator to ensure students are engaged in higher level thinking skills and creative thinking opportunities while ensuring the demands of the grade level standards are met. | Curriculum designed by Math teachers, our K-12 Math Coach, and the Director of Curriculum/Gifted Coordinator to ensure students are engaged in higher level thinking skills and creative thinking opportunities while ensuring the demands of the grade level standards are met. |
| Teacher Training / Preparation | Taught by teachers who receive ongoing training in meeting the needs of high-ability and/or gifted students. | Taught by teachers who receive ongoing training in meeting the needs of high-ability and/or gifted students. | Taught by teachers who receive training in differentiating to provide intervention and enrichment to high-ability and/or gifted students, as needed. |