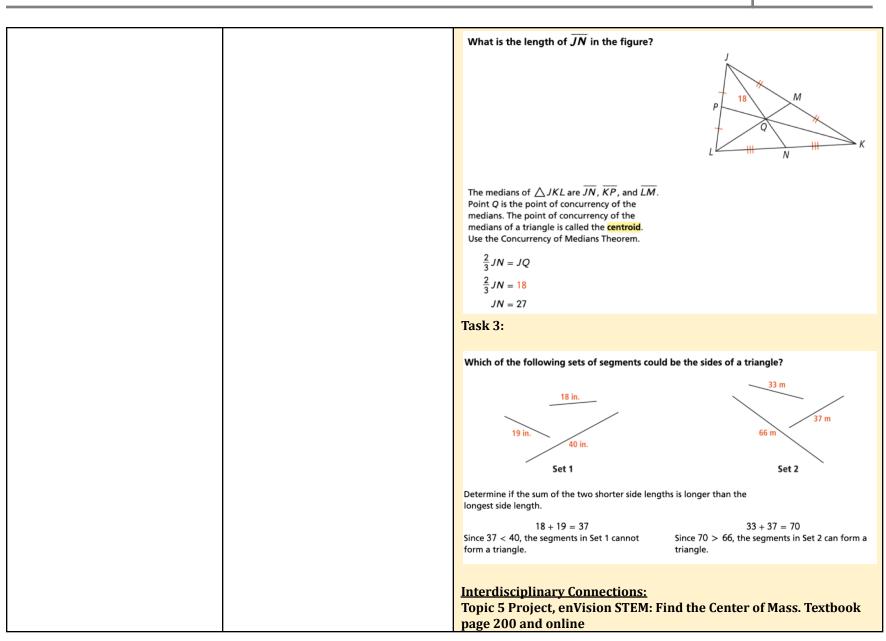
Updated Nov. 2021

| Period | Unit Title | Recommended Instructional Days | | |
|--------|--|--|--|--|
| | tionships in Triangles | 15-20 | | |
| | tionships in Triangles Recommended Activ Interdisciplinary Conn Experiences to Explore N Essential Questions: 1. What is the relationship b on its perpendicular bisec points on its bisector? 2. What are the properties of triangle? What are the pro triangle? 3. What are the properties of the a 4. What are some relationship of any triangles? 5. When two triangles have p | 15-20 vities, Investigations, ections, and/or Student USLS-CLKS within Unit etween a segment and the points tor? Between an angle and the f the perpendicular bisectors in a operties of the angle bisectors in a f the median in a triangle? What lititudes in a triangle? What lititudes in a triangle? ips between the sides and angles wairs of congruent sides, how are the pair of angles opposite the disectors | | |

| A.REI.D.10: Understand that the | | | | |
|-------------------------------------|---|--|--|--|
| graph of an equation in two | | | | |
| variables is the set of all its | | | | |
| solutions plotted in the coordinate | | | | |
| plane, often forming a curve (which | Example Tasks: | | | |
| could be a line). | | | | |
| | Task 1: | | | |
| | Mr. Lee wants to park his ice cream cart on Main Street so that he is equidistant from the entrances of the amusement park and the zoo. Where should Mr. Lee park? How can he determine where to park? | | | |
| | Zoo Entrance | | | |
| | Mr. Lee can use the perpendicular bisector of the segment that connects the two entrances to find the location. | | | |
| | Step 1 Label the entrances of the anusement park and zoo as points A and Z, and draw line m for Main Street. Image: Construct the perpendicular bisector. Step 2 Draw AZ, and construct the perpendicular bisector. Image: Construct the perpendicular bisector. Mr. Lee should park his cart at point T, because it is equidistant from both | | | |
| | entrances | | | |
| | Task 2: | | | |



| | | Career Readiness, Life Literacies and Key Skills Content: Science; Athletics. NJSLS#: G.CO.C.10, G.SRT.B.4 (Next Generation Science Standards HS-PS2-1, HS-PS2-2) Spot Light On: • Seek multiple perspectives and different answers to questions. |
|--|--|---|
| Mathemat | ics Practices | |
| Make sense of problems and p Reason abstractly and quantit Construct viable arguments and Model with mathematics. Use appropriate tools strategi Attend to precision. Look for and make use of struct Look for and express regularity | atively. nd critique the reason of others. cally. acture. | |
| Social and Emotional Learning: | Social and Emotional Learning: | |
| Competencies | Sub-Competencies | |
| Self- awareness | Recognizing the importance of | |
| Social Awareness | self-confidence in handling daily tasks and challenges. Demonstrate an awareness of the | |
| Self- Management | expectations for social interactions in a variety of ways. | |
| Relationship Skills | Demonstrate an understanding of the | |
| Responsible Decision-Making | need for mutual respect when viewpoints differ. Recognize the skills needed to establish and achieve personal and educational goals. | |

Grade: 9 - 12

| Assessmen | ts (Summative) |
|---|---|
| To show evidence of meeting the | standard/s, students will successfully |
| | mplete: |
| Chapter Tests Projects Summative Assessments: District Assessments Midterms | |
| | |
| | |
| | |
| ELL Core Resources | Gifted & Talented Core Resources |
| Dictionary for native languages Videos in their native language. | Leveled Assessments Enrichment worksheets |
| tal Resources | |
| | |
| | To show evidence of meeting the col Benchmarks: • Chapter Tests • Projects Summative Assessments: • District Assessments • Midterms • Standardized Tests ELL Core Resources • Dictionary for native languages • Videos in their native language. tal Resources s, Private Tutoring ent Access to Content: |

Dev. Date: 2021

| Core Resources | | Alternate Core Resources IFP/504/4t_Risk/FSI | | ELL Core Resources | Gifted & Talented Core | | |
|--|--|--|---|--|--|--|--|
| Deliver instruction utilizing varied learning styles including audio, visual, and tactile/kinesthetic, provide individual instruction as needed, modify assessments and/or rubrics, repeat Utilize a multi-sensory (VAKT) approach during instruction, provide alternate presentations of skills by varying the method (repetition, simple explanations, additional examples, modeling, etc.), modify test content and/or format, allow students to retake test for additional credit, provide additional times and preferential seating as needed, review, restate and repeat directions, provide study guides, and/or break assignments into segments of shorter tasks. | | ç | • Extend time requirements, preferred seating, positive reinforcement, check often for understanding/review, oral/visual directions/prompts when necessary, supplemental materials including use of an online bilingual dictionary, and modified assessment and/or rubric. | • | Create an enhanced set of introductory activities, integrate active teaching/learning opportunities, incorporate authentic components, propose interest-based extension activities, and connect student to related | | |
| | Disci | isciplinary Concept: Creativity and Innovation | | | | | |
| | Core Ideas: | | | With a growth mindset, failure is an important part of success | | | |
| NJSLS CAREER READINESS, LIFE LITERACIES & KEY SKILLS | 5 1 7 | | | 9.4.12.CI.1: Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a). | | | |
| | Career Readiness, Life Literacies, & Key Skills Practices | | | | | | |
| | Act as a responsible and contributing community member and employee. Attend to financial well-being. Consider the environmental, social and economic impacts of decisions. Demonstrate creativity and innovation. Utilize critical thinking to make sense of problems and persevere in solving them. | | | | | | |

| · · · · · · · · · · · · · · · · · · · |
|---|
| |
| Model integrity, ethical leadership and effective management. |
| Plan education and career paths aligned to personal goals. |
| Use technology to enhance productivity, increase collaboration and communicate effectively. |
| Work productively in teams while using cultural/global competence. |
| |

| New Jersey Legislative Statutes and Administrative Code (place an "X" before each law/statute if/when present within the curriculum map) | | | | | | | | | | |
|---|--|--------------------------------------|---|---|---|---|--|---|--|--|
| Amistad Law: N.J.S.A. 18A 52:16A-88 | | Holocaust Law: N.J.S.A. 18A:35-28 | Х | LGBT and Disabilities Law: <i>N.J.S.A.</i> <i>18A:35-4.35</i> | Х | Diversity & Inclusion: N.J.S.A. 18A:35-4.36a | | Standards in Action: <i>Climate Change</i> | | |