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| **Grade Level:** | | 10th | | **Teacher/Room**: | | | | J. Gerrard | | / | | 206 | **Course(s)/ Period(s):** | | Geometry | | / | 1st -3rd | **Week of:** | | 2/13/17-2/17/17 | |
| **Unit Vocabulary:** | | | angle of depression, angle of elevation, component form, cosine, direction, geometric mean, inverse cosine, inverse sine, inverse tangent, Law of Cosines, Law of Sines, magnitude, Pythagorean triple, resultant, sine, standard position, tangent, trigonometric ratio, trigonometry, vector | | | | | | | | | | | | | | | | | | | |
| **Instructional Strategies Used:** | | | | | | direct instruction, independent study, interactive instruction | | | | | | | | | | | | | | | | |
| **Monday** | | | | | **Tuesday** | | | | | | **Wednesday** | | | | **Thursday** | | | | | **Friday** | | |
| **GSE Standard(s)**: | | | | | **GSE Standard(s)**: | | | | | | **GSE Standard(s)**: | | | | **GSE Standard(s)**: | | | | | **GSE Standard(s)**: | | |
| G.SRT.6 | | | | | G.SRT.6  G.SRT.7 | | | | | | G.SRT.6  G.SRT.7 | | | | G.SRT.8 | | | | | G.SRT.8 | | |
| **Essential Question:** | | | | | **Essential Question:** | | | | | | **Essential Question:** | | | | **Essential Question:** | | | | | **Essential Question:** | | |
| How do use the properties of 30-60-90, and 45-45-90 triangles? | | | | | How do I find trigonometric ratios using right triangles?  How do I use trigonometric ratios to find angle measures in right triangles? | | | | | | How do I find trigonometric ratios using right triangles?  How do I use trigonometric ratios to find angle measures in right triangles? | | | | How do I solve problems involving angles of elevation and depression?  How do I use angles of depression and elevation to find the distance between two points? | | | | | How do I solve problems involving angles of elevation and depression?  How do I use angles of depression and elevation to find the distance between two points? | | |
| **Mini Lesson:** | | | | | **Mini Lesson:** | | | | | | **Mini Lesson:** | | | | **Mini Lesson:** | | | | | **Mini Lesson:** | | |
| * Review Activity * Discussion of Vocabulary | | | | | * Review Activity * Discussion of Vocabulary | | | | | | * Review Activity (Homework Discussion) * Discussion of Vocabulary | | | | * Review Activity (Homework Discussion) * Discussion of Vocabulary | | | | | * Review Activity (Homework Discussion) * Discussion of Vocabulary | | |
| **Activating Strategies:** | | | | | **Activating Strategies:** | | | | | | **Activating Strategies:** | | | | **Activating Strategies:** | | | | | **Activating Strategies:** | | |
| * Acrostics | | | | | * Acrostics | | | | | | * Acrostics | | | | * Acrostics | | | | | * Acrostics | | |
| **Lesson:** | | | | | **Lesson:** | | | | | | **Lesson:** | | | | **Lesson:** | | | | | **Lesson:** | | |
| * Lesson 8-3: Special Right Triangles | | | | | * Lesson 8-4: Trigonometry | | | | | | * Lesson 8-4: Trigonometry | | | | * Lesson 8-5: Angles of Elevation and Depression | | | | | * Lesson 8-5: Angles of Elevation and Depression | | |
| **Resource/Materials:** | | | | | **Resource/Materials:** | | | | | | **Resource/Materials:** | | | | **Resource/Materials:** | | | | | **Resource/Materials:** | | |
| * PowerPoint/Electronic Resources * Textbook materials including worksheets * Graphic Organizers | | | | | * PowerPoint/Electronic Resources * Textbook materials including worksheets * Graphic Organizers | | | | | | * PowerPoint/Electronic Resources * Textbook materials including worksheets * Graphic Organizers | | | | * PowerPoint/Electronic Resources * Textbook materials including worksheets * Graphic Organizers | | | | | * PowerPoint/Electronic Resources * Textbook materials including worksheets * Graphic Organizers | | |
| **Differentiation:**  ***Content/Process/Product:*** | | | | | **Differentiation:**  ***Content/Process/Product:*** | | | | | | **Differentiation:**  ***Content/Process/Product:*** | | | | **Differentiation:**  ***Content/Process/Product:*** | | | | | **Differentiation:**  ***Content/Process/Product:*** | | |
| * Graphic Organizer | | | | | * Graphic Organizer | | | | | | * Graphic Organizer | | | | * Graphic Organizer | | | | | * Graphic Organizer | | |
| ***Grouping Strategy (if any):*** | | | | | ***Grouping Strategy (if any):*** | | | | | | ***Grouping Strategy (if any):*** | | | | ***Grouping Strategy (if any):*** | | | | | ***Grouping Strategy (if any):*** | | |
| * Flexible Grouping | | | | | * Flexible Grouping | | | | | | * Flexible Grouping | | | | * Flexible Grouping | | | | | * Flexible Grouping | | |
| ***Assessment Strategy:*** | | | | | ***Assessment Strategy:*** | | | | | | ***Assessment Strategy:*** | | | | ***Assessment Strategy:*** | | | | | ***Assessment Strategy:*** | | |
| * Grouping based on formative assessment | | | | | * Grouping based on formative assessment | | | | | | * Grouping based on formative assessment | | | | * Grouping based on formative assessment | | | | | * Grouping based on formative assessment | | |
| **Assessment :** | | | | | **Assessment :** | | | | | | **Assessment :** | | | | **Assessment :** | | | | | **Assessment :** | | |
| ***Formative:*** | Thumbs Up/Down | | | | ***Formative:*** | | | | Thumbs Up/Down | | ***Formative:*** | | | Thumbs Up/Down | ***Formative:*** | Thumbs Up/Down | | | | ***Formative:*** | | Thumbs Up/Down |
| ***Summative:*** | Not Applicable | | | | ***Summative:*** | | | | Not Applicable | | ***Summative:*** | | | Not Applicable | ***Summative:*** | Not Applicable | | | | ***Summative:*** | | Not Applicable |
| **Homework:** | | | | | **Homework:** | | | | | | **Homework:**  If not completed in class: | | | | **Homework:** | | | | | **Homework:** | | |
| If not completed in class:  Pgs. 562-564 #’s: 14-23, 29, 37 | | | | | If not completed in class:  Pg. 573 #’s: 1-15 | | | | | | Pg. 574 #’s: 22-42 (evens only) | | | | If not completed in class:  Pg. 583 #’s: 1-8 | | | | | If not completed in class:  Pgs. 584-585 #’s: 9-19 | | |
| Resources and Reflective Notes: | | | | | | | **LESSON PLANS SUBJECT TO CHANGE** | | | | | | | | | | | | | | | |