

**9th & 10th grades ~ Grade Level Focus Worksheet**

| = major (**about** 70%) = supporting (**about** 20%) = additional (**about** 10%) | | | |
| --- | --- | --- | --- |
| **Conceptual Category/Domain/Cluster** | **%** | **Days** | **Lessons** |
| N.RN.A  Use properties of rational numbers and irrational numbers. |  |  |  |
|  |  |
| N.Q.A  Reason quantitatively and use units to solve problems. | **all** |  |  |
|  |  |
| A.SSE.A  Interpret the structure of expressions. | **all** |  |  |
|  |  |
| A.SSE.B  Write expressions in equivalent forms to solve problems. |  |  |  |
|  |  |
| A.APR.A  Perform arithmetic operations on polynomials. |  |  |  |
|  |  |
| A.APR.B  Use polynomial identities to solve problems. |  |  |  |
|  |  |
| A.CED.A  Create equations that describe numbers or relationships. | **all** |  |  |
|  |  |
| A.REI.A  Understand solving equations as a process of reasoning and explain the reasoning. | **all** |  |  |
|  |  |
| A.REI.B  Solve equations and inequalities in one variable. |  |  |  |
|  |  |
| A.REI.C  Solve systems of equations. |  |  |  |
|  |  |
| A.REI.D  Represent and solve equations and inequalities graphically. |  |  |  |
|  |  |
| F.IF.A  Understand the concept of a function and use function notation. |  |  |  |
|  |  |
| F.IF.B  Interpret functions that arise in applications in terms of the context. |  |  |  |
|  |  |
| F.IF.C  Analyze functions using different representations. |  |  |  |
|  |  |
| F.BF.A  Build a function that models a relationship between two quantities. |  |  |  |
|  |  |
| F.BF.B  Build new functions from existing functions. |  |  |  |
|  |  |
| G.CO.A  Experiment with transformations in the plane. |  |  |  |
|  |  |
| G.CO.B  Understand congruence in terms of rigid motions. |  |  |  |
|  |  |
| G.CO.C  Construct arguments about geometric theorems using rigid transformations and/or logic. |  |  |  |
|  |  |
| G.CO.D  Make geometric constructions. |  |  |  |
|  |  |
| G.SRT.A  Understand similarity in terms of similarity transformations. |  |  |  |
|  |  |
| G.SRT.B  Construct arguments about theorems involving similarity. |  |  |  |
|  |  |
| G. SRT.C  Define trigonometric ratios and solve problems involving right triangles. |  |  |  |
|  |  |
| G.C.A  Understand and apply theorems about circles. |  |  |  |
|  |  |
| G.GPE.A  Translate between the geometric description and the equation for a conic section. |  |  |  |
|  |  |
| G.GPE.B  Use coordinates to prove simple geometric theorems algebraically. |  |  |  |
|  |  |
| G.MG.A  Apply geometric concepts in modeling situations. |  |  |  |
|  |  |
| S.ID.A  Summarize, represent, and interpret data on a single count or measurement variable. |  |  |  |
|  |  |
| S.ID.B  Summarize, represent, and interpret data on two categorical and quantitative variables. |  |  |  |
|  |  |
| S.ID.C  Interpret linear models. |  |  |  |
|  |  |
| Current percentages & days | | | Target percentages and days  Green 70%  Blue 20%  Orange 10% |