Spartanburg
DAY SCHOOL

Summer Work 2018-19
Table of Contents

World Language

AP Latin (Wolter)
Required Summer Reading Packet (English Reading of Caesar's Dē Bellō Gallico with questions to be answered; article about rivalry of Caesar and Pompey & rise of Caesar with terms to be defined); **Suggested Summer Reading** (entire *Aeneid* in English).

Spanish
(rising 9th graders going into Spanish level II)(Frías)- Complete the vocabulary activities and grammar exercises in the packet you received from Ms. Frías. The instructions are outlined on the front page of the packet.

AP Spanish - Hola chicos. Espero que tengan la oportunidad de descansar mucho y de practicar su español un poco.
Es la primera vez que lo hago pero me gustaría que regresaran a clase por lo menos con un poco de práctica.
Aunque no calificare lo que les sugiero, espero que encuentren un espacio para hacerlo.
Escuchar canciones en español y aprender la letra de las canciones de por lo menos dos de ellas.
Ver 2 películas en español y con subtítulos en español también. Escribir un resumen de cada película
Seguir alguna serie en español en Netflix y escribir un resumen de lo visto.
Buena suerte y feliz verano.

AP French - Hello, les filles! I hope that you are already enjoying the good life. I am not writing to destroy that, I promise. I just want to keep your French from getting rusty this summer. With that in mind, I'd like for you to listen to the language whenever you can. You know lots of musicians by now so explore their music further if you'd like. Memorize a chorus or an entire song. Find the best video ever to share with me for mercredi en musique. This is not an assignment, just a request.

Your assignment is to watch at least three French movies this summer and write three movie summaries/reviews in French. You can find a list of French movies available on Netflix at the website frenchflicks.com. I hope to read 12 different reviews in August.

Thank you for your great work in French 4. I look forward to AP with such a talented group.

English

English Nine (Camp and Shepard)

Required Summer Reading: *The Heart is a Lonely Hunter,* by Carson McCullers

Something Wicked This Way Comes, by Ray Bradbury

While reading students will enter six free responses of three paragraphs each. A free response is anything that comes to mind during or after reading pertaining to the pages read. I would choose to complete these when I had spent ample time reading so that I have more to think and write about. These will be handed-in during the first week of school for a grade. A closed reading test and essay question will also be forthcoming prior to and after discussion of each assigned summer reading.

English Ten

Required Summer Reading: *The Things They Carried* (Tim O'Brien)

Maggie, a Girl of the Streets (Stephen Crane)

While reading students will enter six free responses of three paragraphs each. A free response is anything that comes to mind during or after reading pertaining to the pages read. I would choose to complete these when I had spent ample time reading so that I have more to think and write about. These will be handed-in during the first week of school for a grade. A closed reading test and essay question will also be forthcoming prior to and after discussion of each assigned summer reading.

AP Language (Shepard)

Required Summer Reading: *Outliers* (Malcolm Gladwell)

The Glass Castle (Jeannette Walls)

Into the Wild (Jon Krakauer)

AP Literature and English 12 Honors (Roark)

Required Summer Reading: *A Visit from the Goon Squad* (Jennifer Egan)

Waterland (Graham Swift)

Station Eleven (Emily St. John Mandel)

Science

AP Chemistry (Webster):

Your assignment is three-fold.

I.   First of all you need to **thoroughly read** Chapters 1 and 2 of your textbook (Zumdahl Chemistry Ninth Edition AP Edition ISBN-13: 978-1-133-1110-3). You are responsible for the material in these two chapters. It will be covered on your first test. We will not spend class time on this because it is a review of the first several chapters of Honors Chemistry, and we need to "hit the ground running" with new material in order to get through the tremendous amount of content you need to learn in this course. To show me that you have mastered this material, the following 25 problems are due ON THE FIRST DAY OF SCHOOL (This assignment will be graded.) Points will be deducted for late assignments. WHERE WORK IS NEEDED, YOU MUST SHOW WORK FOR CREDIT.

Chapter 1 (pp. 34-38): #30, 33, 36, 39, 60 (A and D only in #60), 76, 79, 83, 86, 87

Chapter 2: (pp. 74-77): #33, 35, 37, 54, 56, 57, 59, 61, 63, 67, 69, 72, 77, 80, and 83

It would be wise to buy a book on-line or buy/borrow from a former chemistry student sooner, rather than later. (Current students: Devin, Sarah Griffin, Eva, Parker, William Caretto, Noah Ballenger, Jake Popkin, Mary-Fields, Chris Overton, Sophi, and Hayden)

II.   On Friday, August 24, you will take a quiz on 27 polyatomic ions (those learned during first semester of Honors Chemistry) plus several extra. You will be asked to write the names of these ions when given the formula and charge OR to write the formula and charge when given the name. (Ions to know: sulfite, sulfate, hydrogen sulfate, phosphate, dihydrogen phosphate, hydrogen phosphate, nitrite, nitrate, ammonium, thiocyanate, carbonate, hydrogen carbonate, borate, chromate, dichromate, permanganate, oxalate, amide, hydroxide, cyanide, acetate, peroxide, hypochlorite, chlorite, chlorate, perchlorate, thiosulfate)

III.   Also, review the periodic table. You need to be familiar with element names and symbols. The periodic table used by College Board only has symbols, so you need to make sure you know which elements those symbols stand for.

I am really looking forward to teaching you again. Take time to prepare over the summer. It will definitely pay off for you. AP Chemistry is a tough course, but you are up for the challenge if you start off the year on the right foot.

Math

Honors Geometry Summer Assignment

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Summer Assignment

Dear SDS Student,

There are many different actions you can take to ensure success in your courses, but the key to success in a math class is practice. As some have said, "Math is not a spectator sport."
To provide practice, we will use a website called IXL in Honors Geometry next year. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these steps:

1. Go to https://www.IXL.com/signin/sds

2. Enter your username and password in the upper right corner and click the right arrow button to sign in. (Note: Your username and password will be emailed to you.)

3. Click on Math at the top of the page and navigate to the class.

4. Find a skill to practice by selecting a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the Reports at the top of the page.
 This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures that you have learned in previous classes. With this practice, we can "hit the ground running," so to speak, at the start of the school year in August. In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

Assignment

Earn a SmartScore of 85 from each bullet point by August 22 (the first day of school).
If the modules' numbers and names change, do the module that corresponds with the given name (not number).

From the "Algebra 1" Course Heading
· B.2: Evaluate numerical expressions involving integers
· B.4: Add and subtract rational numbers
· B.5: Multiply and divide rational numbers
· B.6: Evaluate numerical expressions involving rational numbers
· H.2: Distributive property
· S.2: Find the slope of a graph
· S.3: Find slope from two points
· S.18: Equations of horizontal and vertical lines
· S.20: Point slope form: graph an equation
· S.21: Point slope form: write an equation

·   S.22: Point slope form: write an equation from a graph

From the "Geometry" Course Heading
·   A.1: Ratios and proportions
·   A.3: Properties of exponents
·   A.4: Simplify radical expressions
·   A.5: Write variable expressions
·   A.6: Solve linear equations
·   A.7: Solve linear inequalities
·   B.1: Lines, line segments, and rays
·   B.2: Lengths of segments on number lines
·   B.3: Additive property of length
·   B.5: Congruent Line Segments
·   C.1: Angle vocabulary
·   C.2: Angle measures
·   C.3: Identify complementary, supplementary, vertical, adjacent, and congruent angles
·   C.4: Find measures of complementary, supplementary, vertical, adjacent, and congruent angles

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I give quizzes, not tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 25 to 50 points. I compute quarter averages using points, not a weighted average. With that in mind, here is the grading scheme for the IXL summer work.

25 bullet points 3 points per bullet point 75 points total

The summer assignment grade will amount to being more than a quiz grade, and it will count towards your first quarter average.

Non-Honors Geometry Summer Assignment

Upper School Calculator Requirement
Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Summer Assignment

See below

Dear SDS Student,

There are many different actions you can take to ensure success in your courses, but the key to success in a math class is practice. As some have said, "Math is not a spectator sport."
To provide practice, we will use a website called IXL in Honors Geometry next year. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these steps:

1. Go to https://www.IXL.com/signin/sds

2. Enter your username and password in the upper right corner and click the right arrow button to sign in. (Note: Your username and password will be emailed to you.)

3. Click on Math at the top of the page and navigate to the class.

4. Find a skill to practice by selecting a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the Reports at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore in each module. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures that you have learned in previous classes. With this practice, we can "hit the ground running," so to speak, at the start of the school year in August. In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

Assignment

Earn a SmartScore of 85 from each bullet point by August 22 (the first day of school).
If the modules' numbers and names change, do the module that corresponds with the given name (not number).

From the "Algebra 1" Course Heading
· 	B.2: Evaluate numerical expressions involving integers
· 	B.4: Add and subtract rational numbers
· 	B.5: Multiply and divide rational numbers
· 	B.6: Evaluate numerical expressions involving rational numbers
· 	H.2: Distributive property
· 	S.2: Find the slope of a graph
· 	S.3: Find slope from two points
· 	S.18: Equations of horizontal and vertical lines
· 	S.20: Point slope form: graph an equation
· 	S.21: Point slope form: write an equation
· 	S.22: Point slope form: write an equation from a graph

From the "Geometry" Course Heading
· 	A.1: Ratios and proportions
· 	A.3: Properties of exponents
· 	A.4: Simplify radical expressions
· 	A.5: Write variable expressions
· 	A.6: Solve linear equations
· 	A.7: Solve linear inequalities
· 	B.1: Lines, line segments, and rays
· 	B.2: Lengths of segments on number lines

- ·   B.3: Additive property of length
- ·   B.5: Congruent Line Segments
- ·   C.1: Angle vocabulary
- ·   C.2: Angle measures
- ·   C.3: Identify complementary, supplementary, vertical, adjacent, and congruent angles
- ·   C.4: Find measures of complementary, supplementary, vertical, adjacent, and congruent angles

Frequently Asked Questions

Question 1: How can I track my progress?
IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?
In my courses, I give quizzes, not tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 25 to 50 points. I compute quarter averages using points, not a weighted average. With that in mind, here is the grading scheme for the IXL summer work.

25 bullet points 3 points per bullet point 75 points total

The summer assignment grade will amount to being more than a quiz grade, and it will count towards your first quarter average.

Algebra I - Summer Assignment
Phillips

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Dear SDS Student,

I hope this message finds you wrapping up a successful year and looking towards the start to a wonderful summer. The upper school math will continue to use IXL as a strategy to foster increased success in your 2018-2019 mathematics courses.

One step you can take to ensure retention of previously learned material and foster a strong base for future growth in math is practice. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these easy steps:

1. Go to ixl.com/signin/sds

2. Enter your username and password in the upper right corner and click the button to sign in. ** Your username and password should remain consistent but will also be sent to you in a separate email. **

3. Click on *Math* at the top of the page and navigate to your class.

4. Find a skill to practice by doing one of the following:

    ·   Select a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.
    ·   Go to the *Awards* section. Each grade level presents challenges for you to conquer and virtual prizes to be uncovered. Place your mouse over any challenge to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the *Reports* at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore *in each module*. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures learned in previous classes. If you feel that you need more practice in a particular module, I encourage you to work towards a SmartScore of 100. You may also

explore unassigned topics if you choose. Assigned material should be completed no later than August 21, 2018. By reviewing over the summer, we can "hit the ground running," in August.

In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at paige.phillips@sdsgriffin.org

Best,

Ms. Paige Phillips

==***Sometimes IXL updates topic numbers/titles. If there is a discrepancy, and you are unable to locate the exact name/number, please complete the most closely related topic. You should always go by topic name if there is a question. You can email me for clarification, too. Best of luck! Looking forward to seeing you in August.==

Algebra 1

From the "Eighth Grade" Course Heading

- A. 4 Prime Factorization
- A. 5: Greatest common factor
- A.6: Least Common Multiple
- B.3: Absolute value and opposite integers
- C.3: Add and subtract integers
- C.4: Add and subtract three or more integers
- C.7: Multiply and divide integers
- D.2: Least Common Denominator
- D.3: Least common denominator
- E.2: Add and subtract rational numbers
- E.5: Multiply and divide rational numbers
- E.8: Apply addition, subtraction, multiplication, and division rules
- F.2: Evaluating exponents
- F.3 Solve Equations with variable exponents

- F.6: Understanding negative exponents
- H.4: Equivalent ratios: word problems
- H.5: Unit rates
- H.10: Solve Proportions
- J.1: Convert between percents, fractions, and decimals
- J.9: Solve percent equations
- V.5: Evaluate Multi-Variable Expressions
- V.11 Properties of Addition and Subtraction
- V.12 Multiply using Distributive Property
- V.15 Add. Subtract, Multiply linear expressions
- W.7: Solve two-step equations
- Z.6: Evaluate a function
- BB.4 Add and Subtract Polynomials
- BB.6 Multiply Monomials

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I mainly assess through quizzes, not major tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 50 to 100 points. I compute quarter averages using straight points, not weights. With that in mind, here is my grading scheme for the IXL summer work.

<u>Algebra 1</u>: 25 bullet points 2 points per bullet point

The summer assignment grade will amount to being a large quiz grade, which will count towards your first quarter average.

Algebra II (all classes)

Upper School Calculator Requirement

Each student in the Upper School needs to have his/her own graphing calculator. If you are purchasing a calculator, we recommend the TI-Nspire CAS version, which is necessary to have once you reach Statistics or Calculus.

If you already have a graphing calculator in the TI family, you can use your present model until you are in Statistics or Calculus. At that time, you will need the TI-Nspire CAS version.

Dear ***Rising Algebra 2*** Student,

I hope this message finds you wrapping up a successful year and looking towards the start to a wonderful summer. The upper school math will continue to use IXL as a strategy to foster increased success in your 2018-2019 mathematics courses.

One step you can take to ensure retention of previously learned material and foster a strong base for future growth in math is practice. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these easy steps:

1. Go to ixl.com/signin/sds

2. Enter your username and password in the upper right corner and click the button to sign in. **
   Your username and password should remain consistent but will also be sent to you in a separate email. **

3. Click on *Math* at the top of the page and navigate to your class.

4. Find a skill to practice by doing one of the following:

   · Select a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.
   · Go to the *Awards* section. Each grade level presents challenges for you to conquer and virtual prizes to be uncovered. Place your mouse over any challenge to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the *Reports* at the top of the page.

This summer, your assignment is to attain a SmartScore of 85 for each assigned module. See below for assigned modules (bullet points). Grades will be awarded based upon your SmartScore *in each module*. See FAQs for grading.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures learned in previous classes. If you feel that you need more practice in a particular module, I encourage you to work towards a SmartScore of 100. You may also explore unassigned topics if you choose. Assigned material should be completed no later than Monday August 20, 2018. By reviewing over the summer, we can "hit the ground running," in August.

In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at paige.phillips@sdsgriffin.org

Best,

Ms. Phillips

***Sometimes IXL updates topic numbers/titles. If there is a discrepancy, and you are unable to locate the exact name/number, please complete the most closely related topic. Make Sure you are working under the *Algebra 1* category. You should always go by topic name if there is a question. You can email me for clarification, too. Best of luck! Looking forward to seeing you in August.

Algebra 2

From the -Algebra One- Course Heading

A.6: Square roots

A.7: Cube roots

B.2: Evaluate numerical expressions involving integers

B.3: Evaluate variable expressions involving integers

B.4: Add and subtract rational numbers (please do not use a calculator)

B.5 Multiply and divide rational numbers (please do not use a calculator)

C.5: Solve proportions

D.1 Convert between percents, fractions, and decimals

D.2 Solve Percent Equations

D.4 Percent of Change

G.2: Midpoints

G.3: Distance between two points

H.1: Properties of addition and multiplication

H.2: Distributive Property

H.3: Simplifying variable exp. using properties

I. 2 Simplify variable expressions involving like terms and the distributive property

I.5 Does x satisfy the equation?

I.7: Solve equations using order of operations

J.11: Solve linear equations mixed review

K.6: Solve one-step linear inequalities

K.8: Solve two-step linear inequalities

K.15: Graph solutions to compound inequalities

L.1: Solve absolute value equations

L.2 Graph the solutions to absolute value equations

Q.2:Domain and range of relations

Q.5: Identify functions: vertical line test

Q.7 Evaluate a function

Q.6: Find values using function graphs

Q.7: Evaluate a function

S.3: Find slope from two points

S.8: Slope Intercept Form: write and equation

S.16 Standard form: find the x and y intercepts

U.2: Solve a system of equations by graphing

U.8: Solve a system of equations using substitution

U.10: Solve a system of equations using elimination

Z.4: Add and subtract polynomials

Z.6: Multiply a polynomial by a monomial

Z.8: Multiply two binomials

Z.10: Multiply polynomials

AA.1: GCF of monomials

AA.2: Factor out a monomial

AA.3: Factor quadratics with leading coefficient 1

EE.1: Simplifying radical expressions

EE.4: Multiply radical expressions

EE.5 Add and subtract radical expressions

Frequently Asked Questions

Question 1: How can I track my progress?

IXL keeps track of your progress. Your SmartScore will be in parentheses after the module name, as shown below.

Question 2: How much is this worth towards my first quarter grade?

In my courses, I mainly assess through quizzes, not major tests. Quizzes typically cover anywhere from one to four sections of the textbook, and they range in point value from 50 to 100 points. I compute quarter averages using straight points, not weights. With that in mind, here is my grading scheme for the IXL summer work.

Algebra 2: Bullet points 2 points per bullet point

The summer assignment grade will amount quiz grade, which will count towards your first quarter average.

AP Calculus

I know you're wondering how to best prepare for the tasks ahead, so am sharing a list of things you should know well before we begin in August. If these topics seem a bit distant, you might brush up on Kahn Academy or any other site or use any text you already have.

Here are some topics in no particular order:

1. Basic algebra (operations, factoring, graphing, solving equations, etc.)

2. Trig facts (definitions, unit circle) and identities (quotient, reciprocal, Pythagorean, double angle, etc.)

3. Be able to solve trigonometric equations and prove identities.

4. Exponential and logarithmic rules and be able to use them to solve equations that contain variable exponents and/or logarithms.

5. Know your calculator. Be able to manipulate expressions, solve equations and graph functions.

6. Graphing without your calculator. Do this for simple parent functions and combination functions.

Be aware that we will spend little or no time reviewing the algebra and trig that you should be master of as there is not time in our schedule to do so. Calculus will be challenging but incremental and you should be able to handle it day by day if you start with the tools you need. It will be a great adventure.

Tools for doing the above are: your text or a similar text, Kahn Academy or a similar on-line source, tests that you saved from this year, and whatever other sources you can find.

If you are purchasing a new calculator, get the TI-nSpire CAS version.

If you already have a graphing calculator in the TI family, you can use it, but you would do better to have a TI-89 or TI-nSpire CAS version for AP Calculus.

If you have questions, please email me or stop by to see Ms. Tobey.