



AN IB WORLD SCHOOL

284 Baltic Street, Brooklyn, New York 11201, 718-330-9390 • www.K497.org

### Vision

The Boerum Hill School for International Studies serves grades 6-12. We are A Selective College Preparatory International Baccalaureate French Language Public School. We are committed to the mission of the International Baccalaureate (I.B.) Program, which is an international group of schools that are focused on developing internationally minded people who, recognizing their common humanity and shared guardianship of the world, help to create a better and more peaceful world.

We provide curriculum in grades 6-10 that emphasize problem-solving and collaboration through project-based learning. We have been approved and implemented the Diploma Programme (of the IB) for grades 11-12 over the next two years which will provide students with the opportunity to graduate with an International Baccalaureate Diploma. This provides students with college credits and a significant increase of university options, especially in the many countries that recognize the IB diploma.

We are excited that you have chosen to be part of our school community. Partnerships with the International Baccalaureate Program, the French Embassy, Apple, The Leadership Drama Program, Vision Robotics, Treasure Chess, MS Champs, among other partnerships, enable us to offer all our students with an abundance of resources and opportunities that will provide them with an academically rigorous and well-rounded experience.

### Schedule for 2017-2018

*Orientation: Tuesday September 5<sup>th</sup>, 2017*

*First Day of School: Thursday September 7<sup>th</sup>, 2017*

### Daily Schedule

Breakfast: 7:40am (Optional)

8:15am-4pm: Monday-Thursday (9 periods of instruction, 1 period of lunch)

8:15am-2:30pm-Fridays

4:00pm-6pm: Afterschool Programs (Monday-Thursdays)

### Summer Bridge Program (*strongly encouraged/ not mandatory*):

**Dates: August 14-25<sup>th</sup>**      **Time: 9am-12pm** (*Lunch at 12:00-12:30pm is optional*)

Our two-week-long Summer Bridge Program will include French language class, literacy, team-building/sports activities, culinary, math, and advisory. Students will become familiar with the building, will learn about the culture of the school, develop organizational skills, and will practice the IB learner profile attributes to build meaningful relationships with peers and adults to transition into middle school with a supportive community in place.

Registration for the summer bridge program begins May 18<sup>th</sup>. Final day for summer bridge registration is Tuesday June 13<sup>th</sup>.

**\*\*Note:** *We encourage students to attend both weeks of the summer bridge program, however students are permitted to attend one of the two weeks (if families are not around during both weeks of the program).*

## SUMMER ASSIGNMENT PART 1

### READING and PRESENTING:

When we begin our new school year in September, we will be asking you to perform a book talk on your favorite book you read over the summer break.

If you prefer, you can film the talk on your smartphone and email it to your ELA teacher on day one. The talks will be performed over the course of the first week or so.

You can use notes to help you present (and even a power-point if you know how to create one) but you shouldn't just read straight from a long piece of writing. We want to get to know you, so ensure your own personality shines through in your presentation style and when you discuss your own perspective of the novel.

#### **Your talk should:**

- Be no more than 5 minutes.
- Give a clear summary of the characters and action (with as few spoilers as possible!)
- Explore reasons why you enjoyed it.
- Explain what kind of reader you would recommend it to.
- A read aloud of a dramatic, sad, intriguing or funny passage.

## SUMMER ASSIGNMENT PART 2

### WRITING for a GALLERY WALK:

Along with the book talk, your teachers would like to get a sense of your writing skills. Your work will not be graded in a traditional sense but it will be posted on the classroom wall for a 'gallery walk' for peers. You only need to choose ONE of the projects listed.

#### **Your writing should:**

- Be hand written OR typed – whatever you prefer.
- Be *at least* 400 words or one side of handwritten loose-leaf
- Be checked for spelling, punctuation and grammar.

## **WRITING PROJECT OPTIONS**

- Create a newspaper front page that tells the story of the most dramatic moment in the novel. Include a headline and picture.
- A letter to a character that offers commentary on their decisions and actions. You can ask questions, give advice, scold them or praise them!
- A Wonderings and Predictions Log. This means you must "think about your thinking". As you read each chapter, note down what the author is deliberately not telling you yet that you are left *wondering* about. At the end of each chapter, make a *prediction* about what might happen next.
- A literary essay that answers the following question: *How does the main character*

## Some Suggested Summer Reading

### Mysteries

- Chet Gecko Mysteries by Bruce Hale, Level Q
- Shredderman Series by Wendelin Van Draanen, Level S
- The Last Shot by James Preller, Level T
- Hoot by Carl Hiassen, Level V
- Body of Christopher Creed by Carol Plum-Ucci, Level W
- The Face on the Milk Carton by Caroline B. Cooney, Level Y
- Stolen Children by Peg Kehret, Level Z

### Adventures

- Spiderwick Series by Tony DiTerlizzi, Level Q
- Deltora Quest Series by Emily Rodda, Level S
- Araminta Spookie Series by Angie Sage, Level T
- Series of Unfortunate Events by Lemony Snicket, Level V
- Gregor the Overlander by Suzanne Collins, Level V
- Last Book in the Universe by Rodman Philbrick, Level W
- Miss Peregrine's Home for Peculiar Children by Ransom Riggs, Level W
- Song Quest by Katherine Roberts, Level W
- Stormbreaker Series by Anthony Horowitz, Level W
- Maximum Ride Series by James Patterson, Level W
- Inkspell by Cornelia Funke, Level X
- Dark Life by Kat Falls, Level Z
- The Bar Code Tattoo by Suzanne Weyn, Level Z
- Thirteenth Child Wiede, Patricia, Level Z

### Sports Fiction

- Orca Sports Series by various authors, Level Q
- Heat by Mike Lupica, Level V
- Slam!, Hoops by Walter Dean Myers, Level W

### Scary

- Bunnicula by James Howe, Level Q
- Dangerous Girls Series by R.L. Stein, Level R
- Dripping Fang Series by Dan Greenberg Level S

- Fear Street Series by R.L. Stein, Level U
- Ashes, Ashes by Jo Treggiari, Level Z

### **Magic**

- Guardians of Ga'Hoole Series by Kathryn Lasky, Level R
- Percy Jackson Series by Rick Riordan, Level T
- Charlie Bone Series by Jenny Nimmo, Level T
- Princess Academy by Sharon Hale Level T
- Harry Potter Series by JK Rowling, Level T-W
- Graceling Series by Kristin Cashore, Level X
- The Golden Compass (His Dark Materials) by Phillip Pullman, Level Z
- The Name of the Wind by Patrick Rothfuss, Level Z
- Sabriel by Garth Nix, Level Z

### **Realistic Fiction & Historical Fiction**

- Dear Mrs. Ryan, You're Ruining My Life by Jennifer B Jones, Level Q
- Orca Currents by various authors, Level R
- Don't You Dare Read This Mrs Dunphrey by Margaret Peterson Haddox, Level S
- I Hasn't Meant To Tell You This by Jacqueline Woodson, Level T
- The Fault In Our Stars by John Green, Level V
- Wonder by RJ Palacio, Level V
- Monster by Walter Dean Myers, Level W
- After Tupac and D Foster by Jacqueline Woodson, Level Y
- The Evolution of Calpurnia Tate by Jacqueline Tate, Level Y
- The Breadwinner by Deborah Ellis, Level Z
- Chains by Laurie Halse Anderson, Level Z
- Fever 1793 by Laurie Halse Anderson, Level Z

## Grade 6 Math Summer Assignment 2017– 2018

Find a copy of *The Number Devil* by Hans Magnus Enzensberger, available at bookstores, libraries, and online.



Your assignment is twofold:

1. Read the book. You should do this before starting the problems.
2. Complete the problem set that follows. Print out a copy of the problem set, and then write directly on it. Staple the pages together, and if you need extra paper, just staple it to the end.

The problems are organized, as the book is, into 12 “Nights.” The word “Nights” means the same thing as “Chapters” in this book.

One caution about the reading: the book was originally written in German and then translated. In Germany, it is convention to use a comma instead of a decimal point. So don't be shocked if you see:

$$0,3 \times 3 = 0,9$$

*(which means  $0.3 \times 3 = 0.9$ )*

$$7 \div 11 = 0,6363636...$$

*(which means  $7 \div 11 = 0.63636363636...$ )*

Name \_\_\_\_\_ Date

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## The First Night

1. Multiply with pencil and paper (*without a calculator*):

$$1111 \times 1111$$

$$11111 \times 11111$$

$$111111 \times 111111$$

Keep going until you get a number that does not read the same forward and backward, like TOOT or ROTATOR or 123454321. When do you first get a number that does not read the same forward and backward? Why does this happen?

# The Second Night

1. Robert had to write his birth year as the Roman numeral MCMLXXXVI. Write your own birth year as a Roman numeral.

2. Write 2015 as a Roman numeral.

3. Find:

$$5^1$$

$$5^2$$

$$5^3$$

$$5^4$$

$$5^5$$

$$7^3$$

$$2^5$$

$$10^4$$

4. The Number Devil “produces” the number 1986

$$6 \times 1 = 6$$

$$8 \times 10 = 80$$

$$9 \times 100 = 900$$

$$1 \times 1000 = 1000$$

“Produce” the number 3752 this way.

“Produce” the number 865214 this way.

# The Third Night

1. The Number Devil rewrites the division problem  $15 \div 3 = 5$  as a multiplication problem  $3 \times 5 = 15$ . Rewrite each of these division problems as a multiplication problem:

$$36 \div 4 = 9$$

$$42 \div 7 = 6$$

$$56 \div 8 = 7$$

$$30 \div 6 = 5$$

$$0 \div 10 = 0$$

$8 \div 0 = ?$       Explain why this last one makes no sense.

2. Complete the problem in the red box on page 60, except use the numbers 2-100 instead of 2-50. There should be exactly 25 prima donnas in the chart – no more and no less!



3. Is 405 a prima donna? How do you know?

4. Is 387 a prima donna? How do you know?

5. Is 143 a prima donna? How do you know?

6. Is 91 a prima donna? How do you know?

7. The Number Devil reveals a secret to Robert on page 62. According to the secret, we should be able to find a prime number between 100 and 200. Find a prime number between 100 and 200.

8. Write each of these even numbers as the sum of two primes:

$$48 = 31 + 17 \quad (\textit{The first one was done for you as an example!})$$

34

56

100

72

9. Write each of these odd numbers as the sum of three primes:

$$55 = 5 + 19 + 31 \quad (\textit{The first one was done for you as an example!})$$

27

31

45

79

# The Fourth Night

1. Use a calculator or long division to divide. Give your answer as a decimal. Put a line over the digits that repeat.

$$4 \div 9$$

$$5 \div 6$$

$$1 \div 30$$

$$3 \div 7$$

2. What is the rutabaga of 81?

3. What is the rutabaga of 64?

4. What is the rutabaga of 2025? (*Use a calculator!*)

# The Fifth Night

1. Draw the first 10 triangular numbers.

2. Write out the first 20 triangular numbers. (*Try to do it without drawing them!*)

3. On pages 100-101, Robert and the Number Devil find that the 12th triangular number is 78. Use this method to find the 38th triangular number. (*You shouldn't need to calculate the first 37 triangular numbers to do this!*)

4. Write each of these numbers as the sum of two or three triangular numbers.

$$51 = 15 + 36$$

*(The first two were done for you as examples!)*

$$12 = 1 + 1 + 10$$

*(It's okay to use a triangular number more than once!)*

83

57

76

39

89





2. Solve the problem in the red box on page 135.

3. Use the same method as the last problem to add  $1 + 5 + 15 + 35 + 70 + 126 + 210$  without a calculator. Where did you find your answer in the triangle?

4. The Number Devil found that the sum of the last line is 65,536. Use his method to add  $1 + 10 + 45 + 120 + 210 + 252 + 210 + 120 + 45 + 10 + 1$  without a calculator.

5. In the diagram on page 139, find the colors of each of these Bonacci numbers. Make sure you read pages 138 and 140 so you know what's going on.

1 Red *(The first seven have been done for you as examples.)*

1 Yellow

2 Blue

3 Green

5 Red

8 Yellow

13 Blue

21

34

55

89

144

233

6. Solve the problem in the red box at the end of the chapter (page 145). Use the triangle you drew in #1 to color in your answer.

# The Eighth Night

1. How much is eight vroom!

2. If Al, Betsy, Charlie, Doris, Enrique, and Felice are present in the class, how many ways can they sit in a row? (*Don't list them all out!*)

3. If Al, Betsy, Charlie, Doris, Enrique, and Felice are present in the class, how many different three-person clean-up crews can there be? (*This time list them all out!*)

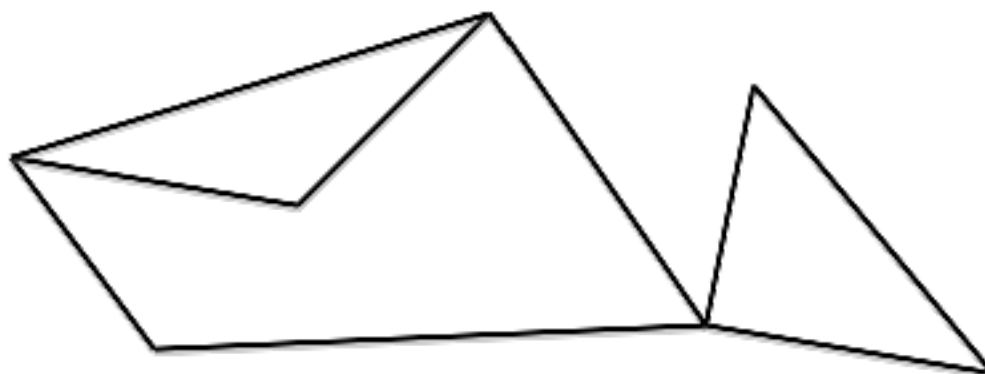
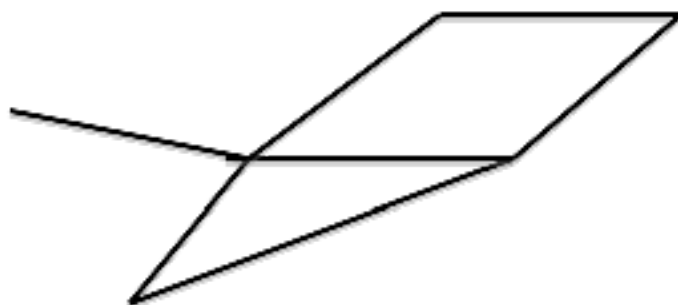
4. If 15 people are present in the class, how many different three-person clean-up crews can there be? Explain how to use the diagram on page 166 to find the answer. (*Don't list them all out!*)



# The Tenth Night

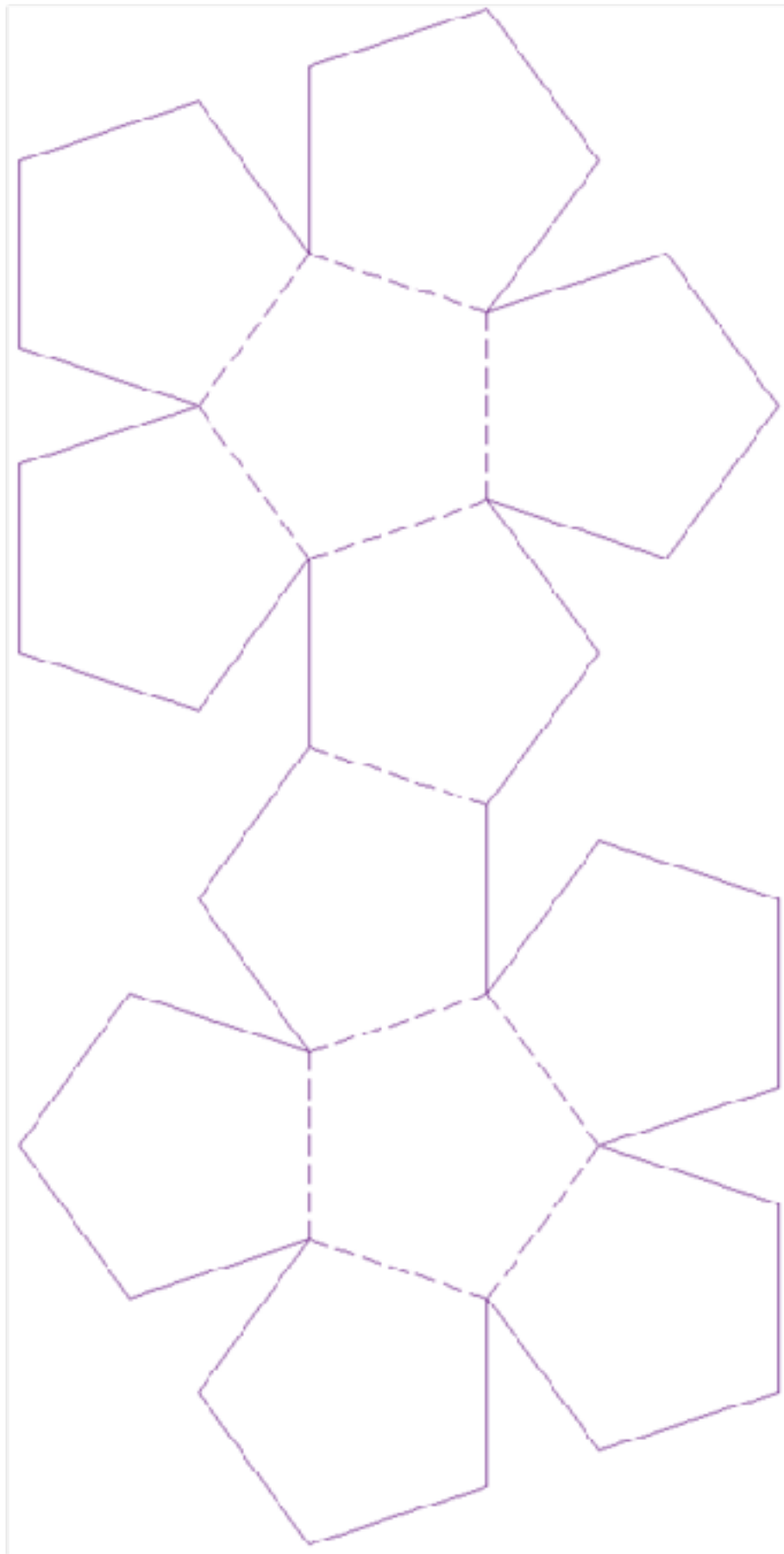
1. Look at the list of calculations in green on page 195. What would be on the next line? What would be on the line after that? Keep writing out these lines until your calculator tells you the same answer twice.

2. Find  $D$ ,  $S$ , and  $L$  for each of the following. (Check by making sure that  $D + S - L = 1!$ )



3. Cut along the solid lines on the outside of the shape on the next page. Then fold it along the dotted lines, and tape it together to make a “ball” like the one on [page 206](#). You do NOT need to bring your “ball” in to school; just use it to answer this question:

Find  $D$ ,  $S$ , and  $L$  for your ball. (Check by making sure  $D + S - L = 2$ .)



## French Summer Reading Assignment

Dear Students,

We are looking forward to seeing all of you as we launch our 2017-2018 school year. In order to keep our proficiency up this summer, we've created a list of summer reading assignments! Try to think of them as "home-fun" instead of homework!

While you have no "required" reading, we want to suggest that you keep your brain engaged in French over the break so we can start/pick up right where we left off! There are several suggested texts for each proficiency/grade level.

Intermediate level books are recommended for those students who have previously followed a DLP program but do not have French exposure at home or outside of school.

Advanced level books are recommended for those students who come from a francophone background and have followed a DLP program or received some formal education in a Francophone country.

Rising 6th grade intermediate: *Le mystère du grenier, L'étoile et les couleurs.*

Rising 6th grade advanced: *Le camembert volant, L'omelette au sucre, Enquête au collège.*

Rising 7th grade intermediate: *Le vol de la Joconde, A la recherche de Tibou.*

Rising 7th grade advanced: *Voyage au centre de la terre, Le petit prince, Les fourberies de Scapin.*

Rising 8th grade intermediate: *La guerre de boutons, Germinal*

Rising 8th grade advanced: *L'école des femmes, Le jeu de l'amour et du hasard, L'île mystérieuse.*

We look forward to this year together!

The BHS French DLP Team