



13th ISMTF  
SENIOR MATHEMATICS  
COMPETITION 2010

Berlin Brandenburg International School  
26 – 28 February 2010



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# WELCOME LETTERS

Welcome to Berlin Brandenburg International School

On behalf of the entire Berlin Brandenburg International School community, I would like to welcome you all to the 13th ISMTF Senior Maths Competition 2010.

BBIS is a truly international school. We are an International Baccalaureate World School, authorized to teach all three International Baccalaureate programmes covering the 3-19 age range. We are also fully accredited by the Council of International Schools and the Middle States Association of Colleges and Schools. We teach approximately 670 students from Early Childhood to grade 12 representing about 55 different nationalities. Our boarding facility houses international students from grades 6 through 12. A commitment to academic excellence is matched by a belief in educating the whole person. At BBIS we are also pleased to offer support for students with special needs and to those for whom English is not a first language. It is the BBIS mission to offer its students a challenging, comprehensive education within a diverse, respectful, caring, and encouraging community of learners, enabling them to develop the skills necessary to achieve their full potential.

In this context, we are very proud and delighted to host this year's Maths competition. The chief organizer, Dr. Tatiana Uspenskaia, has worked very hard with her team of volunteers to provide the best possible organization, facilities and atmosphere for all the participants in a challenging and fair tournament. Like in any other contest, not everyone can be a winner; that is in the nature of the game. However, I sincerely hope that every team and every participant will leave this place happy and satisfied, knowing that they have performed to the very best of their ability.

I would like to close this welcome note with the words of the famous German mathematician David Hilbert who once said:

"MATHEMATICS KNOWS NO RACES OR GEOGRAPHIC BOUNDARIES;  
FOR MATHEMATICS, THE CULTURAL WORLD IS ONE COUNTRY."

What better proof can there be for this statement than a peaceful competition of young mathematicians coming together from all over the world with such diverse cultures, backgrounds, experiences, religions, and languages.

Let the games begin!

Thomas Schaedler  
*Director*

Dear Friends,

In 2010 it is the turn of BBIS to host the annual ISMTF Senior Mathematics Contest in return for the wonderful hospitality shown to our and other international students in the previous 12 years of ISMTF Junior and Senior Mathematics contests. The organization of this contest and our participation in its different activities are a source of inspiration for future achievements and prove Archimedes' statement:

"MATHEMATICS REVEALS ITS SECRET ONLY TO THOSE WHO APPROACH IT WITH PURE LOVE, FOR ITS OWN BEAUTY."

I wish everyone a very successful weekend, new friends, interesting conversations and good memories about cold winter days in Berlin and Potsdam.

Now, I would also like to take the opportunity to share some quotations from people who had a true passion for mathematics.

"A man who is not somewhat of a poet can never be a mathematician." *Karl Weierstrass*

"The advancement and perfection of mathematics are intimately connected to the prosperity of the state." *Napoleon Bonaparte*

"Reserve your right to think, for even to think wrongly is better than not to think at all." *Theon to Hypatia*

"The truth of a theory is in your mind, not in your eyes." *Albert Einstein*

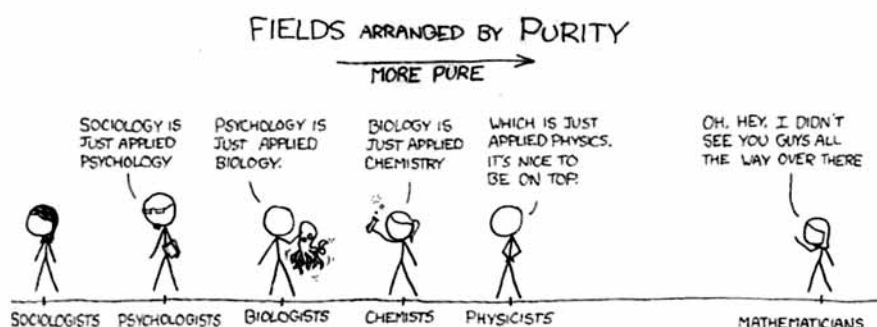
"The most important questions of life are ... really only problems of probability." *Pierre Simon de Laplace*

"When it is not in our power to follow what is true, we ought to follow what is most probable."  
*Rene Descartes*

I believe that the last quotation from *Sonia Kovalevsky* could be very useful in your exams and contest work: "Say what you know, do what you must, come what may."

Enjoy your life with mathematics.

Sincerely,  
Dr. Tatiana Uspenskaia  
Competition Coordinator



"The essence of all things is numbers." *Pythagoras*

# BBIS CONTACTS

**Maths Competition coordinator:** Dr. Tatiana Uspenskaia

Mobile: +49 (0)176 48 243 816

E-mail: [tania.uspenskaia@yahoo.de](mailto:tania.uspenskaia@yahoo.de)

**Travel and Hosting contact:** Charlotte Mueller

Mobile: +49 (0)178 8036 017

**Hosting coordinator:** Christine Hatakka

Mobile: +49 (0)171 9972 232

E-mail: [Christine.Hatakka@gmx.net](mailto:Christine.Hatakka@gmx.net)

**Security Guard**

Phone: +49 (0)33203 8036 369

Mobile: +49 (0)177 6898 400

**BBIS Nurse:** Beate Deckelmann (medical issues)

Mobile: +49 (0)178 8036 664

**Coaches' Hotel:** Steigenberger Hotel Sanssouci

Allee nach Sanssouci I, Luisenplatz

14471 Potsdam

Phone: +49 (0)331 9091-0

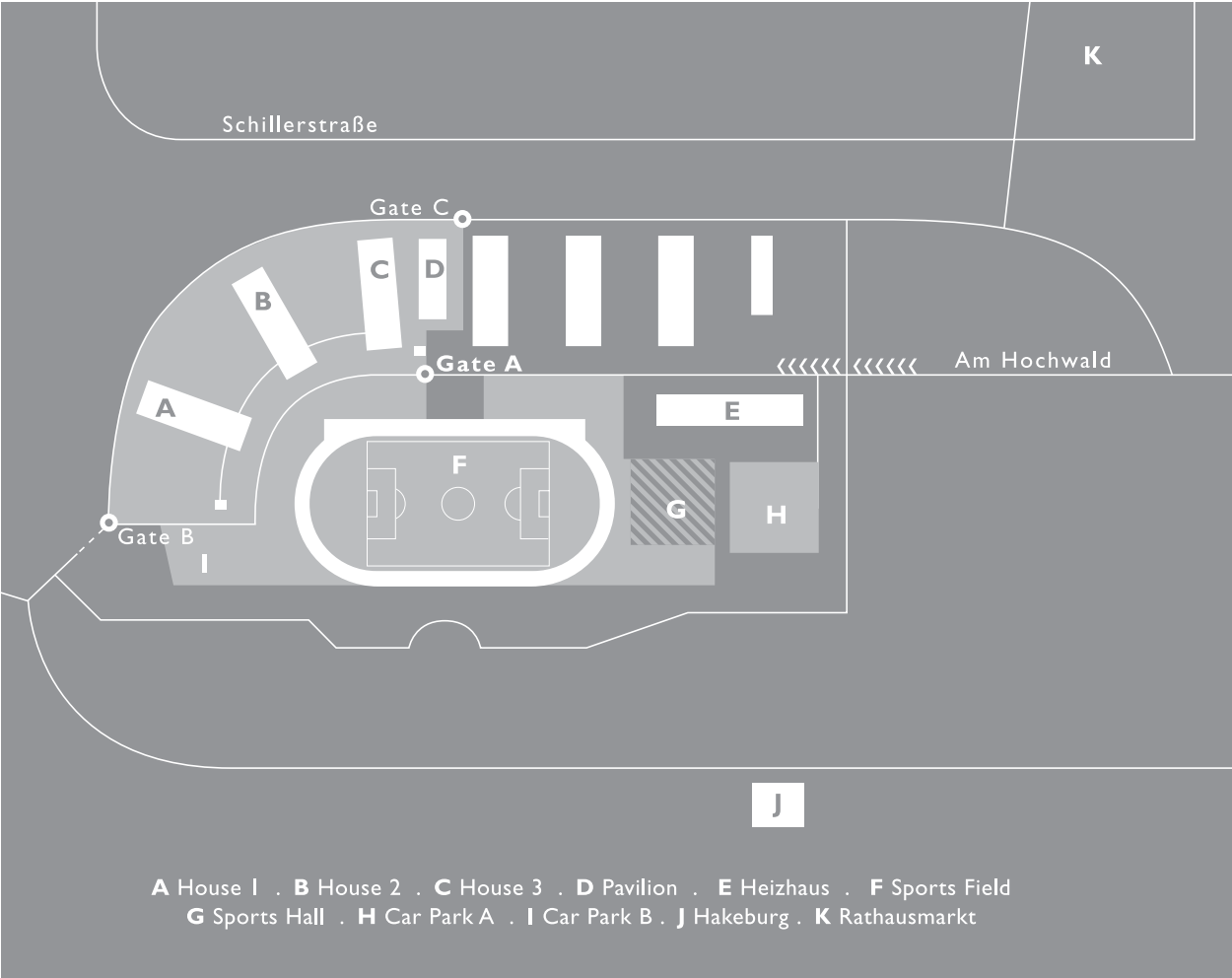
[potsdam@steigenberger.de](mailto:potsdam@steigenberger.de)

[www.potsdam.steigenberger.de](http://www.potsdam.steigenberger.de)

**Taxi**

Phone: +49 (0)3328 35 35 12

# BBIS CAMPUS MAP



# CONTEST SCHEDULE

## FRIDAY, 26 FEBRUARY 2010

Meet participants at Tegel and Schönefeld airports and at Berlin Hauptbahnhof

- 10:00 - 17:00      Arrival of participants at BBIS Sports Hall
- 13:30 - 17:00      Tour to Potsdam for participants arriving before 13:30  
All coaches should store their luggage in bus NI to go to the hotel after the Potsdam tour
- For participants arriving after 13:30: Tour around school, entertainment in the "Heizhaus"
- 16:30                Buses with students return from Luisenplatz/Potsdam to BBIS  
Coaches go to Hotel "Steigenberger" in Sanssouci/Potsdam
- 17:00 - 18:00      Housing families pick up students from the BBIS Sports Hall
- 19:30 - 23:30      Coaches' DINNER at "Mövenpick" restaurant, Sanssouci

## SATURDAY, 27 FEBRUARY 2010

- 08:30                Coaches' bus departs from the Hotel "Steigenberger"
- 08:45 - 09:00      Students and coaches arrive at BBIS Sports Hall
- 09:00 - 09:15      Welcome and announcements in BBIS Sports Hall
- 09:15 - 10:45      Practice round and individual rounds 1-5 in BBIS Sports Hall
- 10:45 - 11:15      BREAK / SNACK
- 11:15 - 12:30      Individual rounds 6-10 in BBIS Sports Hall
- 11:50 - 12:20      LUNCH for coaches and BBIS helpers in the Cafeteria,  
House 2, Level 1 (2 floors downstairs from the entrance level)
- 12:30 - 13:30      LUNCH for students in the Cafeteria, House 2, Level 1  
(2 floors downstairs from the entrance level)

13:45 - 15:15	Practice round and team rounds 1-3 in BBIS Sports Hall
15:15 - 15:45	BREAK / SNACK
15:45 - 16:45	Team rounds 4-6 in BBIS Sports Hall
16:45 - 17:15	Tiebreakers' rounds (if needed)
17:00 - 20:00	For students: Pizza Party and Live Music in the "Heizhaus"
17:00	Coaches' bus departs for Hotel "Steigenberger"
20:00	Housing families pick up students from the BBIS Sports Hall

## **SUNDAY, 28 FEBRUARY 2010**

08:15	Coaches' bus departs from Hotel "Steigenberger"
08:30 - 09:00	Students and coaches arrive at BBIS Sports Hall and store their luggage
09:00 - 09:15	Welcome and explanation of the Sunday Chase rules in BBIS Sports Hall
09:15 - 09:30	Students meet their teams in BBIS Sports Hall
09:30 - 11:00	Sunday Chase in House 2, Level 3 and Level 4
10:50	All Sunday Chase students have to hand in their answer sheets (Room 2406) and then go to BBIS Sports Hall
10:50 - 11:10	BREAK / SNACK
11:10 - 12:15	Awards Ceremony in BBIS Sports Hall
12:30	Departure: students and coaches board assigned buses

# ISMTF REGULATIONS FOR STUDENTS

These regulations shall be followed by all students participating in ISMTF competitions.

1. Students shall obey all instructions given to them by their host parents or their coaches as if these were given to them by their own parents. This applies to all activities irrespective of location undertaken during the period of the competition.
2. Smoking, any other use of tobacco, the drinking of alcohol and the use of drugs are not permitted.
3. Housing arrangements made by the responsible official of the host school may not be changed.
4. Students must remain in the home of the host family during the evening hours. Students may leave the house only in the company of the host parent.
5. Neither host families nor students may negotiate changes to these regulations for students with respect to curfew, housing arrangements, the use of tobacco, alcohol or drugs, or any other rules or provisions set forth by the host school.
6. These regulations apply throughout the competition's duration and also during the journeys to and from the event location.

Violation of these regulations will be reported to the event organizer and to the student's coach, and may result in immediate exclusion from the competition.

# ISMTF COMPETITION RULES

## ELIGIBILITY

- Students must be currently enrolled at the school they are representing.
- No student will be allowed to participate in both the ISMTF Senior and Junior competitions during the same year.

## EQUIPMENT

- No mathematical equipment, mobile phones, calculators of any type may be brought into competitions.
- Plain paper and pencils will be provided.
- Students are NOT allowed to use an electronic translating dictionary but may use one in book form.
- In the Sunday Chase GDC's are allowed.

## TEAMS

- Teams will consist of 3 persons.
- Schools will normally bring 1 or 2 teams.
- Reserves will be combined with reserves from other schools.

## QUESTIONS

- Questions will require critical thinking skills, creative insight, lateral thinking, problem solving and logic from topics traditionally taught to students in any course in school.

## INDIVIDUAL COMPETITION

- The individual contest will consist of 50 multiple choice questions each with 5 possible answers.
- The questions will be distributed in 10 sets of 5 questions.
- Students will be allowed 10 minutes for each set of questions with a warning after 8 minutes.
- Scoring will be as follows:
  - o Correct answer = 4 marks
  - o No answer = 1 mark
  - o Incorrect answer = 0 marks
- Tiebreaker questions will decide ties.

## TEAM COMPETITION

- The team competition will consist of 18 questions.
- Questions will be distributed in 6 sets of 3 questions.
- Students will be allowed 15 minutes for each set of questions with a warning after 13 minutes.
- Each team may give 3 answers for each set of questions. Answers may be given in the following combinations:
  - 1 answer per question.
  - 2 answers for one question and 1 for another leaving one question unanswered.
  - 3 answers for one question leaving two questions unanswered.
- Scoring will be as follows:
  - 3 correct answers = 90 marks
  - 2 correct answers = 50 marks
  - 1 correct answer = 20 marks

## SUNDAY CHASE

The teams are chosen at random from different schools. The teams, of 4 each, will go from one "problem" to the other following instructions given to them at the start of the chase. There will be 10 questions in total, and the winning team is the one with the highest number of correct answers. If two teams tie, then the faster team wins. GDC's are allowed on Sunday.

## PRIZES

### Individual:

There will be medals and prizes for the top ten participants. Any ties will be determined by tiebreaker questions.

### Team:

The team score is the total of the individual scores of its members plus the score they achieve during the team part of the contest. There will be trophies, medals, and prizes for the top three teams.

# PARTICIPATING SCHOOLS

ACS Co $\beta$ ham International Sch $\Omega\Omega$

Al $\theta$ ha College

American  $\Sigma$ ooperative School of Tu $\eta$ is

Americ $\alpha$ n International School  $\nu$ ienna

American School of Bil $\beta$ ao

Americ $\eta$  School of London

$\Delta$ merican School of Madrid

American School of Milan

American Sch $\theta$ ol of Paris

Americ $\alpha$ n School of The Hague

Antwerp I International School

$\Sigma$ enjamin Franklin I International School

Berlin Branden $\beta$ urg International School

British International School  $\mathcal{C}$ airo

British I $\eta$ ternational School of  $\Sigma$ ratislava

British  $\int$ chool of Brussels

British School  $\theta$ f Paris

College du Lem $\alpha$ n International Sch $\theta$ ol

C $\Omega$ penhagen International School

Frankfurt Intern $\alpha$ tional School

Haut Lac International Bilingual Sch $\theta$ ol

Internationa $\int$  School Basel

Internation $\alpha$ l School of Luxembourg

International School of Br $\mu$ ssels

International  $\int$ chool of D $\ddot{u}$ sseldorf

International School of  $\mathcal{L}$ ausanne

$\int$ nternational School of Paris

International School  $\Omega$ f The Hague

I $\eta$ ternational Secondary School  $\Sigma$ indhov $\nu$ en

Rijnlands Lyceum  $\mathcal{O}$ egstgeert Holland

Sotog $\alpha$ nde International School

St. Dominics Intern $\eta$ ational School

St. John's International School Brussels

St. St $\epsilon$ phen's School Rome

$\mathcal{T}$ he British School in the Netherl $\eta$ nds

The British Sch $\theta$ ol Warsaw

The International School of  $\Delta$ msterdam

$\nu$ ienna Intern $\eta$ ational School

# REGISTRATION LISTS

School	Coach	Student	Team #	Ind #
ACS Cobham International School	William Dalrymple	Justin Hendrix	1	1A
ACS Cobham International School		Phillip Hendrix	1	1B
ACS Cobham International School		Yuki Kato	1	1C
ACS Cobham International School	Nancy Kelly	Vikram Mathur	2	2A
ACS Cobham International School		Sebastian Thumann	2	2B
ACS Cobham International School			2	2C
Aloha College	Francisco Escobar	Jordan Boddy	3	3A
Aloha College			3	3B
Aloha College		Alexander Synkov	3	3C
Aloha College		Rebecca Hignett	4	4A
Aloha College		Kevin Pironnet	4	4B
Aloha College		Albert Shigaev	4	4C
American Cooperative School of Tunis	Mattie J. Boyce	Yeon-Woo Lee	5	5A
American Cooperative School of Tunis		Im-Sun Song	5	5B
American Cooperative School of Tunis		Kun-Woo Kim	5	5C
American International School Vienna	Ibrahim Wazir	Ryan Meltzer	6	6A
American International School Vienna		Joon Young Park	6	6B
American International School Vienna		Moon Young	6	6C
American International School Vienna		Niki Aggarwal	7	7A
American International School Vienna		Seo Yoon Lee	7	7B
American International School Vienna		Byunhwa Yoo	7	7C
American School of Bilbao	Arancha Ramos Peira	Inigo Merino	8	8A
American School of Bilbao		Armando Miguel	8	8B
American School of Bilbao		Tae-Hun Ju	8	8C

<b>School</b>	<b>Coach</b>	<b>Student</b>	<b>Team #</b>	<b>Ind #</b>
American School of Bilbao		Alejandra Tena	9	9A
American School of Bilbao		Patricio Barnuevo	9	9B
American School of Bilbao		Silvia Merladet	9	9C
American School of London	Doug Poggioli	Sameer Arya	10	10A
American School of London		Sam Young	10	10B
American School of London		May Ryan	10	10C
American School of London		Anna Ho	11	11A
American School of London		Rachel Brouwer	11	11B
American School of London		Jois Vivek	11	11C
American School of Madrid	Joseph Robertson	Byong Tae Bae	12	12A
American School of Madrid		Sivankit Bhanot	12	12C
American School of Madrid		Motoki Masuda	12	12B
American School of Milan	Tao Wei	Seok Yoon Yeo	13	13A
American School of Milan		Jong Whi Kim	13	13B
American School of Milan		Eun Ji Hwang	13	13C
American School of Milan		Seo Hee Lee	14	14A
American School of Milan		Maria Isabella Gariboldi	14	14B
American School of Milan		Kyu-Yong Lee	14	14C
American School of Paris	Renee Codsi	Yi Gene	15	15A
American School of Paris		Chang Won Lee	15	15B
American School of Paris		Seul Gyu Park	15	15C
American School of Paris	Krista Cary	Hyun-Ho Jung	16	16A
American School of Paris		Abbey Belani	16	16B
American School of Paris		Douglas McAluiffe	16	16C
American School of The Hague	John Faber	Sarah Ritter	17	17A
American School of The Hague		Haichuan Yu	17	17B

<b>School</b>	<b>Coach</b>	<b>Student</b>	<b>Team #</b>	<b>Ind #</b>
American School of The Hague		Kyung-Tae Lee	17	17C
American School of The Hague	John Mugno	Heeju Lee	18	18A
American School of The Hague		Tim Lopez	18	18B
American School of The Hague		Craig Foster	18	18C
Antwerp International School	Dr. K. Mehra	Sarah Pinkham	19	19A
Antwerp International School		Sundar Siddharth	19	19B
Antwerp International School		Arya Mehta	19	19C
Antwerp International School		Sana Shah	20	20A
Antwerp International School		Ravnak Blswas	20	20B
Antwerp International School		Sujaj Khan	20	20C
Benjamin Franklin International School	Ana Maria Dianderas	Alan Rodriguez	101	101A
Benjamin Franklin International School		Fady Raslan	101	101B
Berlin Brandenburg International School		Byong-Ok Kim	21	21A
Berlin Brandenburg International School		Ying Foo	21	21B
Berlin Brandenburg International School		Kwan-Ho Kim	21	21C
British International School Cairo	Tatjana Morland	Francine Loza	22	22A
British International School Cairo		Amr Taher	22	22B
British International School Cairo		Mohammed Khodeir	22	22C
British International School of Bratislava	Peter Ashbourne	Sangjin Lee	102	102A
British International School of Bratislava		Zhou Yu	102	102B
British School of Brussels	Richard Tomes	Vladimir Rakhmanin	23	23A
British School of Brussels		Michael Perry	23	23B
British School of Brussels		Han Wei Fang	23	23C
British School of Brussels		Shonit Shah	24	24A
British School of Brussels		Shah Shah	24	24B
British School of Brussels		Karuna Gehani	24	24C

<b>School</b>	<b>Coach</b>	<b>Student</b>	<b>Team #</b>	<b>Ind #</b>
British School of Paris	John O'Sullivan	Yu Fu Zhou	25	25A
British School of Paris		Simon Benigeri	25	25B
British School of Paris		Saad Sohail	25	25C
British School of Paris		Paul Benigeri	26	26A
British School of Paris		Sung-Ju Hong	26	26B
British School of Paris		Lysander Gourbault	26	26C
British School of Paris		Theo Varenne	101	101C
College du Lemman International School	John Clarke	Tanmay Srivastava	27	27A
College du Lemman International School		Nicholas Steketee	27	27B
College du Lemman International School		Koki Sunagawa	27	27C
Copenhagen International School	Judit Szili	Anna-Liisa Arro	28	28A
Copenhagen International School		Darui Li	28	28B
Copenhagen International School		Georgia Cassarino	28	28C
Frankfurt International School	John Poole	Benedikt Schoenhase	30	30A
Frankfurt International School		Won-Dong Kim	30	30B
Frankfurt International School		Joo-Hi Kim	30	30C
Frankfurt International School		Jae-Hyun Yoo	31	31A
Frankfurt International School		Seung-Sik Cho	31	31B
Frankfurt International School		Soo-min Cho	31	31C
Frankfurt International School		Shin Young Park	103	103A
Frankfurt International School		Un Ji Sung	103	103B
Haut Lac International Bilingual School	Matt Boden	David Hughes	32	32A
Haut Lac International Bilingual School		Caitlin Barry	32	32B
Haut Lac International Bilingual School		Giancarlo Motter	32	32C
International School Basel	Paul Chisholm	Saki Shinoda	33	33A
International School Basel		Mrigya Agarwal	33	33B

<b>School</b>	<b>Coach</b>	<b>Student</b>	<b>Team #</b>	<b>Ind #</b>
International School Basel		Kitty Huang	33	33C
International School Luxembourg	Nicky Stubbs	Darryl Williams	34	34A
International School Luxembourg		Louis van der Elst	34	34B
International School Luxembourg		Alex MacDonald	34	34C
International School of Brussels	Eric Kriekhaus	Young Hyun Choi	35	35A
International School of Brussels		Tae Hoon Kim	35	35B
International School of Brussels		Hyun Jin Kiim	35	35C
International School of Brussels	Pat Tomas	Sanghyuk Jung	36	36A
International School of Brussels		Joo Young Lee	36	36B
International School of Brussels		Sung-Shin Kim	36	36C
International School of Düsseldorf	Phillip Grant	Martin Shih	37	37A
International School of Düsseldorf		Kyohei Otsuka	37	37B
International School of Düsseldorf		Sukyun Jung	37	37C
International School of Düsseldorf		Marko Kim	38	38A
International School of Düsseldorf		Sherry Mengting	38	38B
International School of Düsseldorf		Sarah Lionetta	38	38C
International School of Lausanne	Rose Harrison	Sebastian Karl	39	39A
International School of Lausanne		Adrian Grutter	39	39B
International School of Lausanne		Muriel Bruttin	39	39C
International School of Paris	Céline Babulaud	Akanksha Myddia	40	40A
International School of Paris		Sebastian Grubb	40	40B
International School of Paris		Meng Kiang Seah	40	40C
International School of Paris		Sung Chul Ahn	41	41A
International School of Paris		Yun Tak Chung	41	41B
International School of Paris		Kiyoon Kim	41	41C
International School of Paris		Sang Yun Yang	103	103D

<b>School</b>	<b>Coach</b>	<b>Student</b>	<b>Team #</b>	<b>Ind #</b>
International School of The Hague	Rosario Ramirez	Takayuki Hazu	42	42A
International School of The Hague		Sarah Barendsdaard	42	42B
International School of The Hague	Kristian Pekic	Aleksandra Patures	42	42C
International School of The Hague		Veerle Barentsen	103	103C
International Secondary School Eindhoven	Erica Nijman de Rooy	Áron Ferenczi	43	43A
International Secondary School Eindhoven		Mithra Madhavan	43	43B
International Secondary School Eindhoven		Akshay Dharap	43	43C
Rijnlands Lyceum Oegstgeert Holland	Ceer Otto	Seong Hun Lee	44	44A
Rijnlands Lyceum Oegstgeert Holland		Vlad Sandu Dragu	44	44B
Rijnlands Lyceum Oegstgeert Holland		Erzsebet Nandorfi	44	44C
Sotogrande International School	Richard Stevenson	Stella Schuck	45	45A
Sotogrande International School		Bogdan Ciuta	45	45B
Sotogrande International School		David Erikksen	45	45C
St. Dominics International School	Benard Weda	Ricardo da Silva	46	46A
St. Dominics International School		Fan Su	46	46B
St. Dominics International School		Goncalo Manuel Suarez	46	46C
St. Dominics International School		Peter Hickling	47	47A
St. Dominics International School		Andre Ma	47	47B
St. Dominics International School		Anthony Clark	47	47C
St. John's International School Brussels	Paula Heinen	Tae Hwan Lee	48	48A
St. John's International School Brussels		Jan Leibbrandt	48	48B
St. John's International School Brussels		Shinji Kudo	48	48C
St. John's International School Brussels		Tristan Killeen	102	102C
St. Stephen's School Rome	Debbie Dostert	Tommy Pan Fang	49	49A
St. Stephen's School Rome		Dgiulia Sebastio	49	49B
St. Stephen's School Rome		Sunniva Bloem	49	49C

<b>School</b>	<b>Coach</b>	<b>Student</b>	<b>Team #</b>	<b>Ind #</b>
St. Stephen's School Rome		Nikhil Lal	50	50A
St. Stephen's School Rome		Olimpia Bragaglia	50	50B
St. Stephen's School Rome		Clare Reid	50	50C
The British School in the Netherlands	David McGee	Wie-He Tang	51	51A
The British School in the Netherlands		Oscar de La Hera	51	51B
The British School in the Netherlands		Xuedan Luo	51	51C
The British School in the Netherlands		Nina Szamocki	52	52A
The British School in the Netherlands		David Aspiroz	52	52B
The British School in the Netherlands		Lars Mejnertsen	52	52C
The British School Warsaw	Jacek Latkowski	Diana Lucaci	53	53A
The British School Warsaw		Davor Bojic	53	53B
The British School Warsaw		Won Jung -Wan	53	53C
The British School Warsaw	Beata Kozak	Artur Kotlicki	54	54A
The British School Warsaw		Jola Peplinska	54	54B
The British School Warsaw		Kinga Mrugala	54	54C
The International School of Amsterdam	Anna-Maria Malm	Hye Won Yoon	55	55A
The International School of Amsterdam		Yoo Jin Oh	55	55B
The International School of Amsterdam		Siddhart Addanki	55	55C
Vienna International School	Merlene Torres Skoumal	Arturo Pacifico Griffini	56	56A
Vienna International School		Calvin Li	56	56B
Vienna International School		Yu Tong Guo	56	56C
Vienna International School		Maria Kozyreva	57	57A
Vienna International School		Igor Starha	57	57B
Vienna International School		Zhonghao Zhang	57	57C

TOTAL : Coaches 43 / Schools 38 / Teams 59 / Students 177

# INDIVIDUAL SEATING PLAN

Glass façade

	A	B	C	D	E	F	G	H	I	J	K	L	
<b>1</b>	1A	54B	34B	2C	56A	36A	4B	57C	37C	6A	102B	39B	<b>1</b>
<b>2</b>	21A	7C	47C	22C	9B	49B	24B	11A	51A	26A	12C	52C	<b>2</b>
<b>3</b>	41A	27C	14B	42C	29B	16A	44B	31A	17C	46A	32C	19B	<b>3</b>
<b>4</b>	1B	54C	34C	3A	56B	36B	4C	101A	38A	6B	102C	39C	<b>4</b>
<b>5</b>	21B	8A	48A	23A	9C	49C	24C	11B	51B	26B	13A	53A	<b>5</b>
<b>6</b>	41B	28A	14C	43A	29C	16B	44C	31B	18A	46B	33A	19C	<b>6</b>
<b>7</b>	1C	55A	35A	3B	56C	36C	5A	101B	38B	6C	103A	40A	<b>7</b>
<b>8</b>	21C	8B	48B	23B	10A	50A	25A	11C	51C	26C	13B	53B	<b>8</b>
<b>9</b>	41C	28B	15A	43B	30A	16C	45A	31C	18B	46C	33B	20A	<b>9</b>
<b>10</b>	2A	55B	35B	3C	57A	37A	5B	101C	38C	7A	103B	40B	<b>10</b>
<b>11</b>	22A	8C	48C	23C	10B	50B	25B	12A	52A	27A	13C	53C	<b>11</b>
<b>12</b>	42A	28C	15B	43C	30B	17A	45B	32A	18C	47A	33C	20B	<b>12</b>
<b>13</b>	2B	55C	35C	4A	57B	37B	5C	102A	39A	7B	103C	40C	<b>13</b>
<b>14</b>	22B	9A	49A	24A	10C	50C	25C	12B	52B	27B	14A	54A	<b>14</b>
<b>15</b>	42B	29A	15C	44A	30C	17B	45C	32B	19A	47B	34A	20C	<b>15</b>
	A	B	C	D	E	F	G	H	I	J	K	L	

Main entrance



Reserved seats

# TEAM SEATING PLAN

	A	B	C	D	E	F		
Glass façade	<b>1</b>	11	21	31	41	51	<b>1</b>	
	<b>2</b>	28	38	48	101	8	18	<b>2</b>
	<b>3</b>	45	55	5	15	25	35	<b>3</b>
	<b>4</b>	2	12	22	32	42	52	<b>4</b>
	<b>5</b>	29	39	49	102	9	19	<b>5</b>
	<b>6</b>	46	56	6	16	26	36	<b>6</b>
	<b>7</b>	3	13	23	33	43	53	<b>7</b>
	<b>8</b>	30	40	50	103	10	20	<b>8</b>
	<b>9</b>	47	57	7	17	27	37	<b>9</b>
	<b>10</b>	4	14	24	34	44	54	<b>10</b>
	A	B	C	D	E	F		

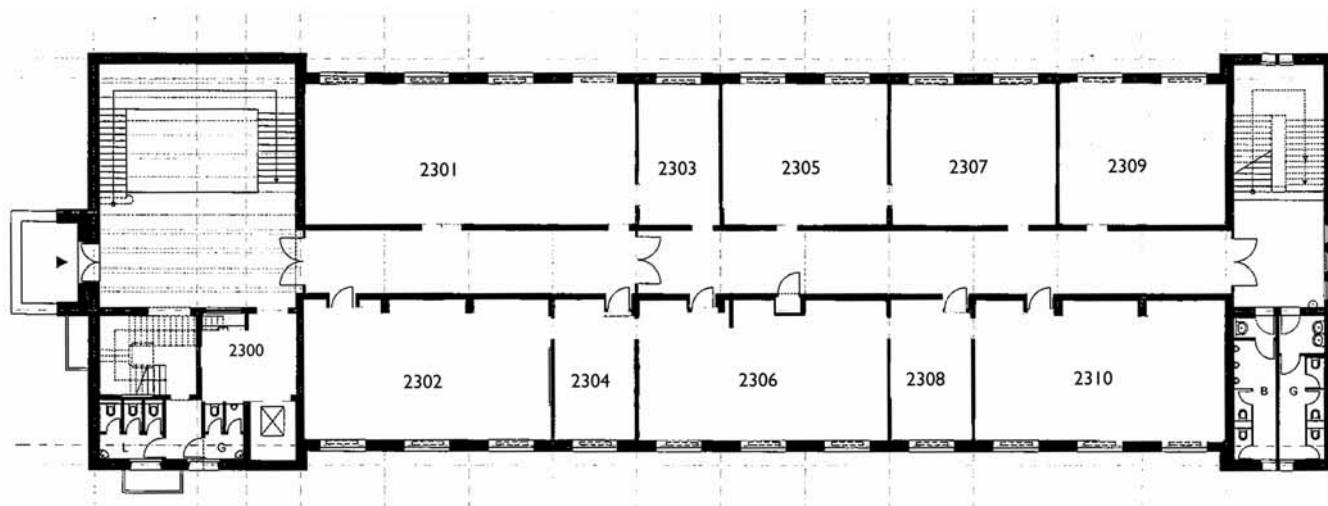
 Reserved seats

# SUNDAY CHASE

Teams	Members			
I001	1A	15C	30C	45C
I002	2A	16B	31B	46B
I003	1B	17A	32A	47A
I004	2B	16C	31C	46C
I005	1C	17B	32B	47B
I006	2C	18A	33A	48A
I007	3A	17C	32C	47C
I008	4A	18B	33B	48B
I009	3B	19A	34A	49A
I010	4B	18C	33C	48C
I011	3C	19B	34B	49B
I012	4C	20A	35A	50A
I013	5A	19C	34C	49C
I014	6A	20B	35B	50B
I015	5B	21A	36A	51A
I016	6B	20C	35C	50C
I017	5C	21B	36B	51B
I018	6C	22A	37A	52A
I019	7A	21C	36C	51C
I020	8A	22B	37B	52B
I021	7B	23A	38A	53A
I022	8B	22C	37C	52C

I023	7C	23B	38B	53B
I024	8C	24A	39A	54A
I025	9A	23C	38C	53C
I026	10A	24B	39B	54B
I027	9B	25A	40A	55A
I028	10B	24C	39C	54C
I029	9C	25B	40B	55B
I030	10C	26A	41A	101A
I031	11A	25C	40C	55C
I032	12A	26B	41B	101B
I033	11B	27A	42A	101C
I034	12B	26C	41C	102A
I035	11C	27B	42B	102B
I036	12C	28A	43A	103A
I037	13A	27C	42C	102C
I038	14A	28B	43B	103B
I039	13B	16A	44A	56A
I040	14B	28C	43C	103C
I041	13C	30B	44B	56B
I042	14C	30A	45A	57A
I043	15A	45B	44C	56C
I044	15B	31A	46A	57C
I045				57B

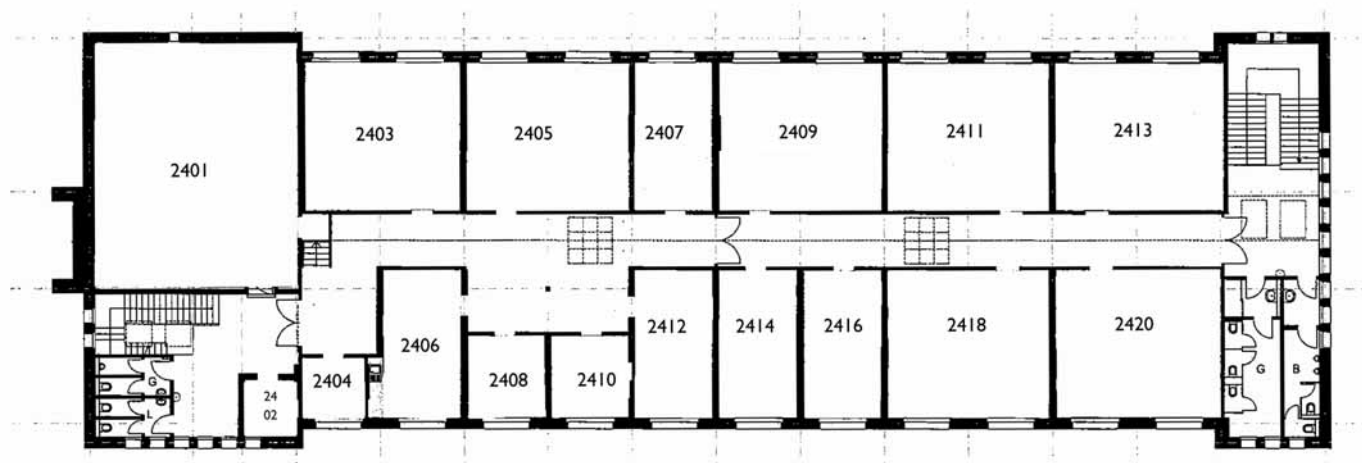
# HOUSE 2 LEVEL 3 (MAIN ENTRANCE)



- 2301 Library
- 2303 Library Office
- 2305 Station Turing >>> John O'Sullivan, Paula Menke (S)**
- 2307 Station Gödel >>> Judit Szili, Alina Kames (S)**
- 2309 Station Fermat >>> Ana Maria Dianderas, Keishla Garcia (S)**
- 2310 Biology – Homeroom Gr. 12A
- 2308 Preparation Room B
- 2306 Chemistry – Homeroom Gr. 12B
- 2304 Preparation Room A
- 2302 Station Bolyai >>> Tao Wie, Tim Boronowski (S)**

S = Student

# HOUSE 2 LEVEL 4 (TOP FLOOR)



**2401 Station von Neumann >>> Dr. Edwin Jones, Konstantin Stoffels (S)**

**2403 Station Lobachevsky >>> Joseph Robertson, Maodo Lo (S)**

2405

2407 IB Diploma Coordinator, MYP Coordinator

**2409 Station Gauss >>> Timothy Trainor, Maud Bijl de Vroe (S)**

**2411 Station Euclid >>> John Faber, Gie-Zee Lee (S)**

2413

**2420 Station Wiles >>> Doug Poggioli, Lisa Christova (S)**

**2418 Station Hilbert >>> Richard Tomes, Ernesta Majakoskaite (S)**

2416 French

2414 HS Diploma

2412 High School Principal

2410 Assistant to the High School Principal

2408 Registrar/Admissions Office

**2406 Sunday Chase Final Station >>> Daniil Perets (S)**

2404 Guidance Counsellor

2402 Copy Room

S = Student

# SAMPLE INDIVIDUAL ANSWER SHEET

Set

Name:

Number:

1. a  b  c  d

2. a  b  c  d

3. a  b  c  d

4. a  b  c  d

5. a  b  c  d

Score:

Set

# SAMPLE TEAM ANSWER SHEET

Set **I**

Team Number:

School:

1. 

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2. 

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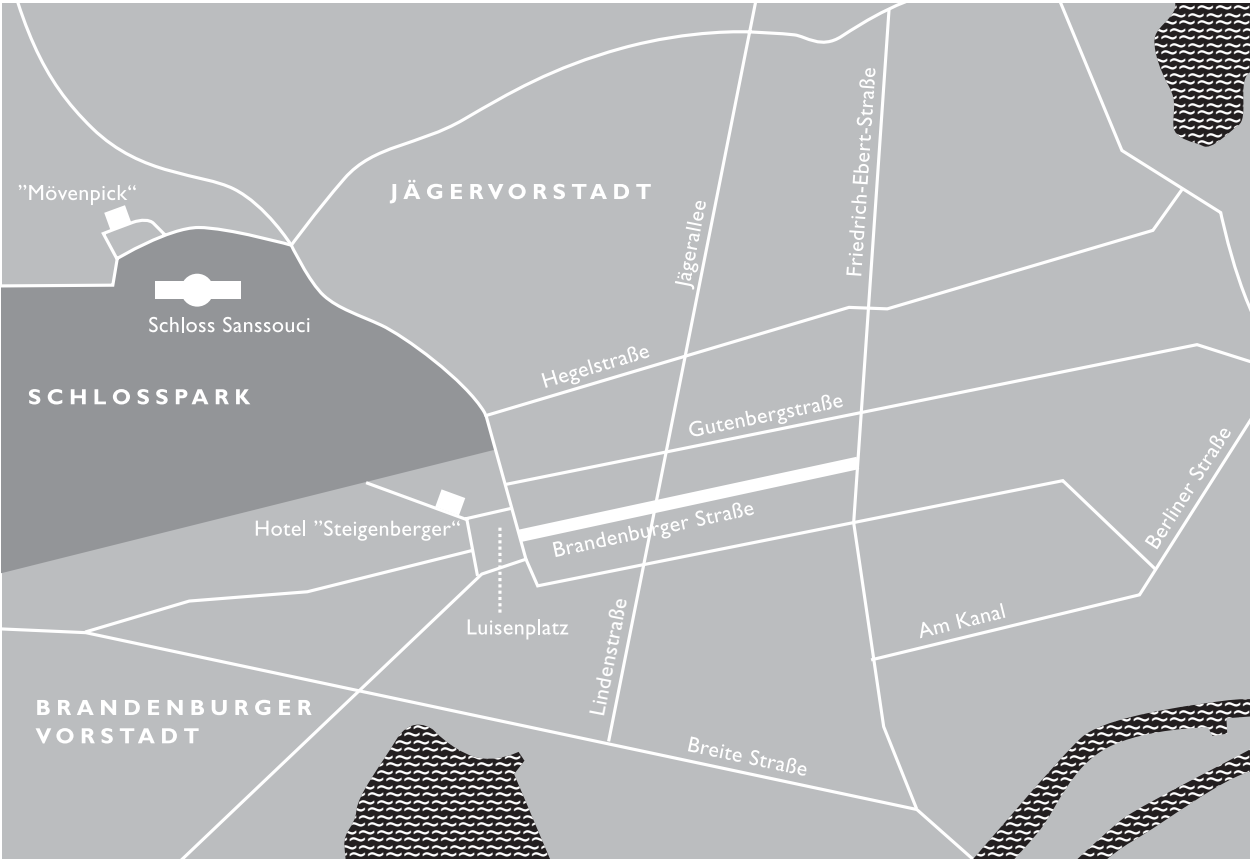
3. 

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Score:

Set **I**

# MAP OF POTSDAM'S CITY



# POTSDAM RESTAURANTS

Potsdam Restaurants (the more stars, the stronger our recommendation)

Pfeffer und Salz	Brandenburger Str. 46	Italian food combined with German food; a big variety of pizzas; pricy, but worth it * * * *
Sushi Bar	Brandenburger Str. 20	Sushi and oriental dishes * * *
Café Restaurante Babette	Brandenburger Str. 71	An expensive and luxury restaurant * * * * *
Starbucks Coffee	Brandenburger Str. 28	A very famous fast food restaurant with fresh products and amazing coffee * * * *
McDonald's	Brandenburger Str. 30	McDonald's does not even need introducing * * *
Wiener Feinbäcker	Brandenburger Str. 28A	A very nice bakery, where you can buy bread, cake or just have a cup of tea * * *
Eiscafe Venezia	Brandenburger Str. 28a	A nice ice-cream café * * *
Maximilians	Brandenburger Str. 47	An expensive restaurant that offers you a variety of food, even including wedding cakes! * * * * *
Nancy's	Brandenburger Str. 63	The best spaghetti with chili in Potsdam * * *
Noodles	Brandenburger Str. 25	The typical German way of cooking – a nice and comfortable place * * *
Bistro XXL	Brandenburger Str. 9	A small and nice fast-food cafe which is situated next to the "Best Hot-Dogs of Potsdam" * * *
Gelateria am Brandenburger Tor	Brandenburger Str. 70	Every ice cream is just like a masterpiece! * *

# THANK YOU LETTER

**The team spirit is ... when 1+1>>2 THANK YOU! СПАСИБО!**

Whether you have put together a Maths competition in the past or plan to do so in the future, let me tell you that it is going to be a much more involved affair than any experienced mind could ever imagine. Big things (food, transportation, questions...) and an infinite number of small details add up to make your days far too short to complete everything you planned. I could not have succeeded without the support of MANY DEDICATED, interesting, great PEOPLE. In no particular order, I would like to thank the following people ESPECIALLY (though there are many, many more to thank):

**The BBIS PTA Team led by Christine Hatakka, Hannele Rintanen and Jacqueline Jones-Heinz** – who spent countless hours organising the housing for all our guests. The PTA has been fantastic at coordinating the efforts of BBIS parents, teachers and volunteers to help make this competition happen. This simply would not have been possible without the great PTA team work before and during Maths competition days.

**The housing families** – who welcomed the guests into their homes. Many cancelled plans, offered to do extra driving and searched for extra space to help us out.

**Tammy de Matas Pohl** – for designing and ordering the contest T-shirts for us and helping to select and order the welcome bag and contest prizes.

My amazingly fantastically awesome colleagues:

**Tamara Hager** – for organizing the contest logo, selecting the welcome bag and the contest prizes, designing the visitor card and the certificate, compiling the contest booklet, doing the press work, and supporting me every second.

**Charlotte Mueller** – for sorting the contest and housing information, handling the logistical task of transport, answering a million emails and doing many other things for me, the coaches and the PTA.

**Yvonne Nitschke** – who immediately supplied me with whatever information and materials we needed, who sorted contest information, answered emails, dealt with the logistics of the biggest event in BBIS history.

**Julia Peters and the High School Diploma students** – for great help with proof-reading, putting together the welcome and goodbye bags, and for printing the certificates.

**Claudia Schmidt, Steffi Steinberg and their amazing team** – for taking the risk of organizing our Potsdam tour and picture contest and the presentation during the Award Ceremony.

**Whitney Sterling** – for organizing Saturday evening and supporting me with his useful advice.

**Csaba Magyar and our friend John O’Sullivan** – for arranging everything for the Sunday Chase.

**Daniil Perets** (BBIS Grade 12 student) – for leading the “scoring team”.

And to all **BBIS students** and their leaders **Alexander Klinner** and **Orkhan Abdullayev** – who helped us before and on the contest days.

**The BBIS administration, the BBIS caretakers, and the staff of our caterer APETITO!**

I strongly feel that the space in the booklet is TOO SMALL to include the names of all the people who dedicated many hours to help us with preparing and leading this event.

Thank you everyone – we just couldn’t have done it without your support! *Dr. Tatiana Uspenskaia*





BBIS Berlin Brandenburg  
International School GmbH  
Am Hochwald 30  
14532 Kleinmachnow  
Germany

Telephone +49 (0)33203 8036-0  
Fax +49 (0)33203 8036-121  
E-mail [office@bbis.de](mailto:office@bbis.de)  
Website [www.bbis.de](http://www.bbis.de)