Adnoc School of Abu Dhabi

Keeping Your Math Skills Sharp Over the Summer

Dear Parents,

While we certainly understand and support the need for kids to enjoy a summer break from schoolwork, some math work over the summer is beneficial; perhaps even needful or essential for some students.

In order to ensure that you are prepared for the next math course in the sequence of study, it is important that you take time during summer break to review the math concepts you have learned this school year.

You are encouraged to complete the summer math packet for the course you are taking next year. However, you also have other options. You may choose to review using online textbook resources, use applications, websites or even take online practice quizzes throughout the summer.

You can find

- The assigned summer packet in pages 2 till 4.
- Additional resources in Page 5
- Our math Pathways in Page 6

Please feel free to contact the HOD via email for any questions you may have.

We hope everyone has a healthy, happy and safe summer!

The Math Department

Email: rnassar@adnoc.sch.ae   *June, 2017*

Grade 6-12 Summer Packet

See Page 6 to know the next level math course

Going into grade	Next Math Course	Assignments	Resources
6	**Mathematics 1**	**The math practice address these 3 critical areas in grade 5:** • Developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions) • Extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations • Developing understanding of volume.	• Grade 5 book • Websites • Applications • Common core practice sheets For more details See page 5

7	**Mathematics 2**	**Student handbook see details to the right**
		Materials :
		Chapter 1 till chapter9(till section 9.2)
			Website: My.hrw.com
			Username: ssummer72
			Password: 20162017
			Hint:
			• Login using the credentials above.
			• Choose online book
			• Select the chapter "student handbook". Inside you can find
			    ○ Extra Practice
			    ○ Problem Solving
			    ○ Skills Bank
			For more resources See page 5

8	**Pre-Algebra/Algebra 1**	**Student handbook see details to the right**
		Materials :
		Chapter 1 till chapter11
			Website: My.hrw.com
			Username: summerpractice
			Password: 20162017
			Hint:
			• Login using the credentials above.
			• Choose online book
			• Select the chapter "student handbook". Inside you can find
			    ○ Extra Practice
			    ○ Problem Solving
			    ○ Skills Bank
			For more resources See page 5

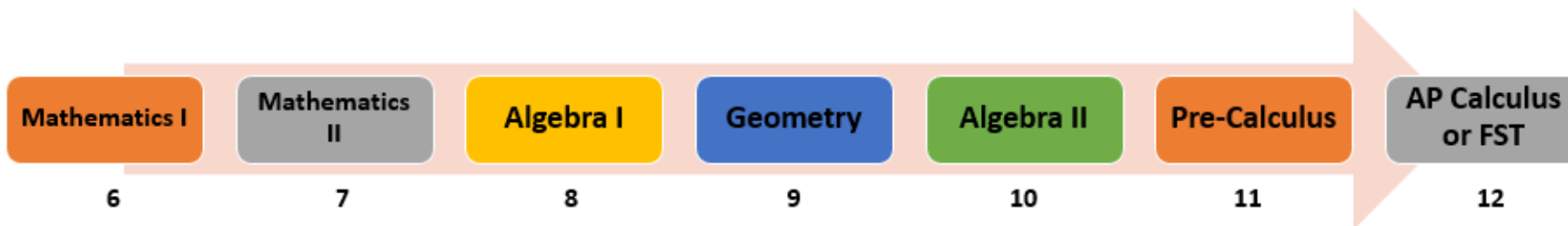| 9 | **Geometry** | **Student handbook Algebra 1 see details to the right**
Materials :
Chapter 1 till chapter 7
Student handbook Geometry
Materials :
Chapters: 1 and 2 | **Website:** My.hrw.com
Username: summerpractice8
Password: 20162017
Hint:
• Login using the credentials above.
• Choose online book
• Select the chapter "student handbook". Inside you can find
    o Extra Practice
    o Problem Solving
    o Skills Bank
For more resources See page 5 |

	Algebra 1	**Student handbook : Mathematics Grade 8 see details to the right**
		Materials :
		Chapter 1 →5,7→9
			Website: My.hrw.com
			Username: summerpractice9
			Password: 20162017
			Hint:
			• Login using the credentials above.
			• Choose online book
			• Select the chapter "student handbook". Inside you can find
			    o Extra Practice
			    o Problem Solving
			    o Skills Bank
			For more resources See page 5
			:

10	**Algebra 2**	**Student handbook Algebra 1 see details to the right**
		Materials :
		Chapter 1 till chapter 10
		
		PSAT Practice
			Student Handbook
			Website: My.hrw.com
			Username: summerpractice8
			Password: 20162017
			Hint:
			• Login using the credentials above.
			• Choose online book
			• Select the chapter "student handbook". Inside you can find
			    o Extra Practice
			    o Problem Solving
			    o Skills Bank
			For more resources See page 5

	Geometry	**Algebra 1 Practice : Student handbook Algebra 1** **Materials :** Chapter 1 till chapter 7 **PSAT Practice** https://goo.gl/4862mK	

11	Pre-Calculus	**Algebra 2 Practice : Student handbook Algebra 2** **Materials :** Chapters:2→7,9,10,12.2 **SAT Practice** https://goo.gl/uMuRv6	**Student Handbook** **Website:** My.hrw.com **Username:** summerpractice10 **Password:** 20162017 Hint: • Login using the credentials above. • Choose online book • Select the chapter "student handbook". Inside you can find ○ Extra Practice ○ Problem Solving ○ Skills Bank For more resources See page 5
	Algebra 2	**Student handbook Algebra 1** **Materials :** Chapter 1 till chapter 10 **SAT Practice** https://goo.gl/uMuRv6	**Website:** My.hrw.com **Username:** summerpractice8 **Password:** 20162017 Hint: • Login using the credentials above. • Choose online book • Select the chapter "student handbook". Inside you can find ○ Extra Practice ○ Problem Solving ○ Skills Bank For more resources See page 5
12	**Pre-Calculus/FST**	**Student handbook Algebra 1** **Materials :** Chapter 1 till chapter 10 **SAT Practice** https://goo.gl/uMuRv6	**Website:** My.hrw.com **Username:** summerpractice8 **Password:** 20162017 Hint: • Login using the credentials above. • Choose online book • Select the chapter "student handbook". Inside you can find ○ Extra Practice ○ Problem Solving ○ Skills Bank For more resources See page 5
	AP-Calculus	**Chapter reviews**	**Pre-Calculus book**

Additional Resources

Websites	Great math Books to read
http://www.ixl.com/ **http://www.figurethis.org/index.html** **http://nrich.maths.org/frontpage** **http://www.khanacademy.org/** **http://mathforum.org/index.html** **http://www.coolmath4kids.com/** **http://www.figurethis.org/index.html** **http://www.thinkingblocks.com/** **http://mathplayground.com/** **http://illuminations.nctm.org/activitysearch.aspx**	A Gebra Named Al by Windy Isdell Math Curse by Jon Scieszka Chasing Vermeer by BlueBalliett Sir Cumference & the Dragon of Pi by Cindy Neuschwander Sir Cumference & the First Roundtable by Cindy Neuschwander Sir Cumference & the Great Knight of Angleland by Cindy Neuschwander Sir Cumference & the Sword in the Cone by Cindy Neuschwander Number Devil: A Mathematical Adventure by Hans Magnus Enzensberger Counting on Frank by Rod Clement Guinness Book of Records by Time Inc Mathematicians are People Too by Luetta Reimer & Wilbert Reimer
APPS to Practice Math!	
This is a great, fun way to get practice with math skills on a smartphone or iPad. Many of these Apps are free or inexpensive. There are lots of other apps out there, but these are some of our favorites. **APPS** Nine Gaps Khan Academy Math Zombie Math Bingo Math Hunt Symmetry Shuffle Kakooma Deep sea duel Pick a path Lobster diver Math matrix Middle School Math HD	**APPS** iCut Deluxe Math Doodles Flash to Pass Sumdog Sushi Monster, Slice It! Ratio rumble Chicken coop fractions Zoom math Super 7 Pizza shop and slide 1000
Worksheets to Practice Math http://www.commoncoresheets.com/	

Math Pathways

1- The "compacted" pathway, in which students would complete the content of 7th grade, 8th grade, and the High School Algebra I course in grades 7 (Compacted 7th Grade) and 8 (8th Grade Algebra I), it will enable them to reach Calculus or other college level courses by their senior year. This pathway is recommended to students who wish to enter college and career fields in the areas of STEM (Science, Technology, Engineering, and Math).

Mathematics I	Mathematics II	Algebra I	Geometry	Algebra II	Pre-Calculus	AP Calculus or FST
6	7	8	9	10	11	12

2- The regular pathway in which students would complete the High School Algebra I course in grade 9, this pathway will lead to pre-calculus or FST in grade 12 thus to preparation for college and career readiness. It is recommended to students who wish to enter college and career fields related to Humanities, Social Sciences, or Arts.

Mathematics I	Mathematics II	Pre-Algebra	Algebra I	Geometry	Algebra II	Pre-Calculus or FST
6	7	8	9	10	11	12