

MATHEMATICS

7.NS.A.1: Understanding of addition and subtraction horizontal or vertical number line diagram and

7.NS.A.2: multiplication and division and of fractions to multiply and divide rational numbers.

7.NS.A.3;Solve real-world and mathematical problems involving the four operations with rational numbers.

7.RP.A.1:Compute unit rates associated with ratios of fractions

KEY VOCABULARY

Matter, chemistry, substance, physical property, chemical property, element, atom, chemical bond, molecule, chemical formula, law of conservation of mass, thermal energy, exothermic change, endothermic change, motor, gyro, brick, loop, sensor, ultrasonic, motion, direction, connection, physiology, skeletal, plasma, polymer, autonomous, haemoglobin, platelets, proportion, simple interest tax, mark up, markdown, percent of increase, percent of decrease, gratuities, commissions, percent error, additive inverse, multiplicative inverse, passion, goal, desires, change, consistent, collaboration, guidance, allegiance, law, economy, trade, local, abroad, citizenship, consequences, community, values, government, identify, nomadic, civic, features, structure, origins, scholar, contribute.

Computer literacy

To create a simple webpage using HTML coding to informing your peers about safe ways using the internet. E-safety. Create an additional page with a few pictures and paragraphs about you, your family and your plans for the future

Moral Education

Individual moral duties and responsibilities.

ELA

Narrative/personal impact on the world - explanatory writing - How my passion helps change the world for the better - W7.3.

Write narratives to develop real or imagined experiences or events using effective techniques, relevant descriptive details, and well-structured event sequences. W7.3

Engage and orient the reader by establishing a context and point of view and introducing a narrator.

PE:

Girls will be introduced to individual sports, such as badminton and tennis, where they will learn to correctly demonstrate the following skills:

- Overhand striking
- Weight transfer while striking
- Forearm/backhand striking
 - Volleying
 - Serving

FOOD TECHNOLOGY Food hygiene and safety

GRADE 7

I MATTER

SOCIAL STUDIES

The location of the Arabian Peninsula geographically, natural and human

Arab political, religious, economic and social conditions

SCIENCE

MS-PS1-1. Develop models to describe the atomic composition of simple molecules and extended structures.

MS-PS1-2. Analyze and interpret data on the properties of substances before and after substances interact to determine if a chemical reaction has occurred.

MS-PS1-3. Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.

التربية الإسلامية

تدريس العقيدة والروح الإلهي والسيرة وأحكام الإسلام والتضام المعاصر:

ARABIC

أنمي في الطالبات روح المسؤولية تجاه الحفاظ على لغتهم العربية من خلال تأليف قصة لإنجازاتهم في المستقبل

Topic:	I Matter
Entry points	Students are encouraged to explore the matter in scientific and philosophical terms.
Outcomes	Students artwork, school assembly, music pieces in duple, triple and mixed meters.

Experiences	Students will create multimedia and web pages.
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Pupil Voice:	Students will be involved in hands-on activities and will be responsible to share what they've worked on.
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Evaluation	Brochures, Spoken words, and Explanatory essay, passion project presentation PowerPoint presentation or PSA and Math and science Unit performance tasks.
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