



Islamic School of Irving

Today's Learners Tomorrow's Leaders



Welcome to Science class 8th Grade

2021-2022 School Year

ISI VISION

To be the Islamic school of choice in North Texas weaving academic excellence with highest morals and ethics.

MISSION

To provide our children an environment which will enable them to achieve their highest potential, founded on Islamic morals, scholastic excellence, and good citizenship.

Dear Students and Families,

Welcome to grade 8th. I'm excited about the opportunity to get to know you, and I'm looking forward to a joyful and productive school year.

Curriculum areas we will focus on this year include the following:

1. General Science and Chemistry

Chapter 1: Scientific Investigation and Reasoning
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Chapter 2: Atoms and the periodic table
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Chapter 3: Chemical bonding and chemical reactions

2. Astronomy and Physics

Chapter 4: Speed velocity and acceleration

Chapter 5: The laws of motion

Chapter 6: The sun earth and moon system

Chapter 7: The universe

3. Environmental science, Ecology

Chapter 8: interpreting maps

Chapter 9: plate tectonics

Chapter 10: Interactions of the atmosphere and the oceans
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Chapter 8: interpreting maps

4. Anatomy, Genetics, Biology & Botany

Chapter 11: Weather

Chapter 12: populations and communities
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Chapter 13: How organisms affect the environment

Students are asked to bring the following supplies to school before [August, 20, 2021]:

2 notebooks (one for classwork/ one for homework)

1 metric ruler

pens , pencils, sharpener, eraser

2 colored marker pens

colored pencils

highlighter pens

Tablet/IPad/Laptop- optional/recommended*

My homework policy is [homework policy from handbook].

Our homework policy is research based. Homework will be meaningful and will satisfy one of the following purposes:

- Practice of skills and processes to increase accuracy and fluency.
- Preparation for new learning of information and ideas

My grading policy is:

Homework: 15%

Classwork/Participation 25%

Projects 20%

Tests 30%

Quizzes 10%

Late Work Policy is:

It is the student's and parent's responsibility to ask teachers what assignments are missed. Make-up work will not be given before students are absent. Parents may pick up work on the third day of the absence. Students will be allowed to make-up work at the discretion of the teacher in the case of unexcused absences. First deduction, 10% of the grade and will have a 5% increment for each missed class. After 2 weeks, it will be counted as 0.

Expectations for the Team is:

1. Be a GREAT teammate. (This means we **respect** our teammates by encouraging and working cooperatively with one another.)
2. Be **prepared** for class. (This means having a ready-to-learn attitude, the appropriate supplies and materials for class, and being in your seat before the bell rings.)
3. Be **attentive** to instructions the first time. (I expect you to pay attention so we do not have to waste class time repeating directions. I do however welcome and encourage questions to increase understanding.)
4. Be **enthusiastic** and **positive**. (No Debbie or Donny Downers)

Let's do our very best to accomplish these expectations so we, as a team, can have lots of fun exploring the world of Science!!!

I promise that I will do my very best to teach the material, respect every individual, and encourage every student to reach their fullest potential in the classroom, in extracurricular activities, and in life.

classroom policies is:

Students are expected to enter the classroom quietly. Please make sure to keep a distance of 6 feet apart and use hand sanitizer effectively. Students are to be seated before the tardy bell rings. They are to remove all necessary items from book-bags, copy down homework and begin the daily.

A. Bathroom

Students are to use the bathroom between the change of classes. If it is an absolute emergency, students will be allowed to go. Students must have their agenda to be used as a hall pass.

B. Agenda

Students are expected to copy down their homework and any other assignments on a daily basis in their agenda. Parents are encouraged to use the agendas for homework and other communication.

C. Finishing Work Early

Students who finish work early are encouraged to check over their work, work in their lab notebook to improve their work to meet expectations or select an activity from the “Early Finisher Area” in the classroom.

D. Trash

Students are not to get up and down during class to throw away trash. Trash may be thrown away when exiting the classroom.

E. Pencils

Students are to use PENCILS only during science unless otherwise instructed. Students may sharpen pencils before the tardy bell rings or in the pencil sharpeners provided in their group baskets during class.

F. Parent Communication

Students will receive report cards each nine weeks.

G. Homework

Students may not be assigned homework on a daily basis, but when it is assigned, it is expected to be completed by the next class period and by the directions/expectations that are given. If a student needs help or has questions, he or she may meet with the teacher or during extra help times. Points will be deducted for each day the assignment is late.

H. Make-Up Work/Redo Assignments/Retakes

Students will be allowed to redo/retake major test and quizzes if they are unsatisfied with their grade. If students make below a 70, it will be required. Students may do so during extra help times. Make-up work may also be done during that time. Students will have 5 days to complete make-up work.

Parents please go over and discuss the syllabus/expectations with your child at home. As a class, we will go over each item so your child understands what is expected. Please talk with him/her about the expectations for the school year. Signing below indicates that you and your child have read and understood the contents of the syllabus/expectations. After signing below, **please take off the first sheet and keep it at home. Return this sheet ONLY!** Thanks in advance, and let's have a great year working together!

Student Name (Print): _____
Signature of Student _____

Parent Name (Print): _____
Signature of Parent _____

Special classroom events planned for the year include
[Copy of 2021-2022 ISI-Calendar \(islamicschoolofirving.org\)](http://islamicschoolofirving.org)

Science fair TBD

In school science competition (olympiad) TBD

Please mark those dates on your calendar. Studies show that parental involvement in a child's education is one of the strongest indicators of student success. We hope you will make it a priority this year to attend as many school-sponsored events as possible.

If you have any questions or concerns or if you would like to visit our classroom, schedule a conference, or volunteer to help out, you can contact me at [972-268-6716 or 972-812-2230]. The best times to reach me are [Monday from 8:00AM to 8:30 AM or Friday from 10:30AM to 11:00 AM].

Once again, welcome to 8th. Let's work together to make this the best year ever!

**May Allah bless our time together,
Hadil Shaat**

Student Safety Contract

Purpose

Science is a hands-on laboratory class. However, science activities may have potential hazards. We will use some equipment and animals that may be dangerous if not handled properly. Safety in the science classroom is an important part of the scientific process. To ensure a safe classroom, a list of rules has been developed and is called the Science Safety Contract. These rules must be followed at all times. Additional safety instructions will be given for each activity.

No science student will be allowed to participate in science activities until this contract has been signed by both the student and a parent or guardian.

Safety Rules

1. Conduct yourself in a responsible manner at all times in the science room. Horseplay, practical jokes, and pranks will not be tolerated.
2. Follow all written and verbal instructions carefully. Ask your teacher questions if you do not understand the instructions.
3. Do not touch any equipment, supplies, animals, or other materials in the science room without permission from the teacher.
4. Perform only authorized and approved experiments. Do not conduct any experiments when the teacher is out of the room.
5. Never eat, drink, chew gum, or taste anything in the science room.
6. Keep hands away from face, eyes, and mouth while using science materials or when working with either chemicals or animals. Wash your hands with soap and water before leaving the science room.
7. Wear safety glasses or goggles when instructed. Never remove safety glasses or goggles during an experiment. There will be no exceptions to this rule!
8. Keep your work area and the science room neat and clean. Bring only your laboratory instructions, worksheets, and writing instruments to the work area.
9. Clean all work areas and equipment at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
10. Follow your teacher's instructions to dispose of any waste materials generated in an experiment.
11. Report any accident (fire, spill, breakage, etc.), injury (cut, burn, etc.), or hazardous condition (broken equipment, etc.) to the teacher immediately.

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12. Consider all chemicals used in the science room to be dangerous. Do not touch or smell any chemicals unless specifically instructed to do so.
 13. Handle all animals with care and respect.
 - a. Open animal cages only with permission.
 - b. Never handle any animals when the teacher is out of the room.
 - c. Do not take animals out of the science room.
 - d. Do not tease or handle animals roughly.
 - e. Keep animals away from students' faces.
 - f. Wear gloves when handling animals.
 - g. Report any animal bite or scratch to the teacher immediately.
 14. Always carry a microscope with both hands. Hold the arm with one hand; place the other hand under the base.
 15. Treat all preserved specimens and dissecting supplies with care and respect.
 - a. Do not remove preserved specimens from the science room.
 - b. Use scalpels, scissors, and other sharp instruments only as instructed.
 - c. Never cut any material towards you—always cut away from your body.
 - d. Report any cut or scratch from sharp instruments to the teacher immediately.
 16. Never open storage cabinets or enter the prep/storage room without permission from the teacher.
 17. Do not remove chemicals, equipment, supplies, or animals from the science room without permission from the teacher.
 18. Handle all glassware with care. Never pick up hot or broken glassware with your bare hands.
 19. Use extreme caution when using matches, a burner, or hot plate. Only light burners when instructed and do not put anything into a flame unless specifically instructed to do so. Do not leave a lit burner unattended.
 20. Dress properly, long hair must be tied back, no dangling jewelry, and no loose or baggy clothing. Wear aprons when instructed.
 21. Learn where the safety equipment is located and how to use it. Know where the exits are located and what to do in case of an emergency or fire drill.

AGREEMENT

I, (student name -----) have read and understand each of the above safety rules set forth in this contract. I agree to follow them to ensure not only my own safety but also the safety of others in the science classroom or laboratory. I also agree to follow the general rules of appropriate behavior for a classroom at all times to avoid accidents and to provide a safe learning environment for everyone. I understand that if I do not follow all the rules and safety precautions, I will not be allowed to participate in science activities.

Student Signature -----

Date: -----

Dear Parent or Guardian:

We feel that you should be informed of the school's effort to create and maintain a safe science classroom/ laboratory environment. Please read the list of safety rules. No student will be permitted to perform science activities unless this contract is signed by both the student and parent/guardian and is on file with the teacher. Your signature on this contract indicates that you have read this Science Safety Contract, reviewed it with your child, and are aware of the measures taken to ensure the safety of your son/daughter in the science classroom.

Parent/Guardian Signature -----

Date:-----

Important questions:

Does your child wear contact lenses?

Y or N

Is your child color blind?

Y or N

Does your child have any allergies?

Y or N

If so, please list: