

Integrated Physics and Chemistry (IPC)

Syllabus 2025/26

Ms. Rashid, Lake Dallas HS

Semester one school year 2025/26

Dear Parents and Guardians,

Welcome to 10th grade at Lake Dallas HS! This syllabus outlines the course plan for your child's class, the first semester one including key topics, expectations, and how you can support their success. As required by Texas law (Senate Bill 12), this document serves as the instructional plan and is available for your review. I look forward to working with you and your child!

Contact Information

- **Teacher:** Ms. Rashid
-
- **Email:** brashid@ldisd.net
- **Phone:** 940-497-4031 ext 6263
- **Conference Time:** 12:35-1:20 PM, Monday–Friday]
- **Best Way to Reach Me:** Email or call the school office. I'll respond within 24 hours on school days.

Course Overview (Instructional Plan)

This first nine weeks or term, your child will study the following topics in IPC, based on Texas state standards (TEKS):

1. Unit 1: Laboratory Safety

- Learning objectives: Reviewing safety rules and safety equipment to provide a safe learning environment
- Activities: Scavenger hunt, bingo and quiz.

2. Unit 2: Laboratory Management

- Learning objectives: Collecting data and making measurement, making inferences and predictions, determine density and viscosity
- Activities: Practice measuring, conducting experiments, word problems and quizzes.

3. **Unit 3: Understanding elements, compounds & the periodic table**

Learning objectives: Hands on activities, conducting experiments and interpreting data.

- Activities: Lab reports, group experiments, and data analysis.

4. **Unit 4: History of the atomic theory**

- Learning objectives: Understanding the scientists and their roles of the current atomic theory
- Activities: Research, poster and quiz.

5. **Unit 5: Chemical Reactions**

- Learning objectives: Classifying the types of chemical reactions and balancing simple equations.
- Activities: Experiments, analysing data, worksheets and quizzes.

6. **Unit 5: Acids & Bases Solutions**

- Learning objectives: Classifying the types of solutions
- Activities: Experiments, analysing data, worksheets and quizzes.

7. **Additional Skills**

- Developing critical thinking, note-taking, and time management.
- Preparing for a safety quiz, two unit tests

Thank you for supporting your child's education! Feel free to contact me with questions.

Sincerely,
Ms. Rashid