

| **ALGEBRA 2**  **Fall Semester 2023-2024**  Los Angeles High School of the Arts | Ms. Strehlow (STRAY-low)  [s.strehlow@lausd.net](mailto:s.strehlow@lausd.net)  G. Voice: ‪(323) 380-0374‬ |
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| Office Hours - *Room 450*  After School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_  Nutrition/Lunch (by appt) |

Welcome to Algebra 2! Together we will see mathematics used as a tool to understand the world around us. We will investigate problems using the Illustrative Mathematics text and practice skills on IXL. This class will likely be different from any other math class you have taken. We are on this journey together and I am here to help you identify both your strengths and your areas for growth. We are a team and I am very excited for us to get started! This term we will focus on reviewing concepts introduced at the end of Algebra 1 and continue on to introductory concepts from Algebra 2. You will demonstrate proficiency of the following:

**Learning Targets / Units of Study:**

| **LT 1** | **LT 2** | **LT 3** | **LT 4** | **LT 5** | **LT 6** | **LT 7** |
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| Linear Systems | Quadratic Functions | Quadratic Equations | Sequences & Functions | Polynomials & Rational Functions | Complex Numbers & Rational Exponents | Exponential Functions & Equations |

**CLASS NORMS:**

These are some non-negotiable class norms that I feel strongly about:

1. Embrace the **learning process**, expecting & accepting discomfort, joy, & wonder
2. Challenge ourselves to arrive each day **prepared** to work wholeheartedly & **persist** through struggles
3. Engage with peers and teacher from a place of **respect & compassion**, supporting peers in their learning
4. Replace judgment with **curiosity**, listening carefully and deeply
5. **Challenge ideas** not people, assuming best intentions

*What are some class norms that you think we should consider adding to this list? (write them below)*

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**Practice:** In our class, homework assignments, IXL, and additional assignments are opportunities for **practice**. They will help you reach proficiency in the learning targets and provide you with feedback. The feedback on all of your assignments is very important! This feedback is a roadmap for you to reach proficiency in the learning targets.

**Assessments:** You will have Cool Downs, Unit Quizzes, IXL quizzes, and a Final assessment. These will allow you to **demonstrate proficiency** in each learning target. You will be able to retake any assessment to demonstrate proficiency.

**Proficiency (Mastery) Grading:** The assignments and practice will build your understanding of the mathematics. The quizzes will give you opportunities to show proficiency in the Learning Targets. The cumulative Final assessment will give you one last opportunity to show proficiency for any Learning Target you have yet to show understanding. Since your grade reflects a command of the Learning Targets, **100% of your grade is based on these assessments.**

**IXL:** IXL has created a [custom skill plan for Algebra 2](https://www.ixl.com/math/skill-plans/illustrative-mathematics-algebra-2). I will be assigning skills for you to complete as we work through the textbook. These skills will help make sure you have the procedural skills needed to understand the lessons in the book. Your goal will be to get a smart score of 80 or higher on all of the assigned skills in order to show proficiency.

| Proficiency Level | 1 | 2 | 3 | 4 |
| --- | --- | --- | --- | --- |
| IXL Smartscore | **40+** | **60+** | **80+** | **95+** |

**GRADING CRITERIA -** Cases not fitting this rubric are at teacher discretion.

| **Grade** | **Descriptor** |
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| 4 - A | ***Advanced:*** Demonstrates **advanced** understanding ina majority of theLearning Targets with **at least proficiency** in the remaining Targets. |
| 3 - B | ***Proficient:*** Demonstrates **proficient** understanding ina majority of theLearning Targets with **advanced** in at least one of the remaining Targets. |
| 2 - C | ***Developing:*** Demonstrates **developing** understanding ina majority of theLearning Targets with **proficiency** in at least one of the remaining Targets. |
| 1 - D | ***Emerging:*** Demonstrates **emerging** understanding ina majority of theLearning Targets with **proficiency** in at least one of the remaining Targets. |
| 0 - F | ***Not yet approaching grade level:*** Otherwise not meeting the above criteria |

| **Frequently Asked Questions**  ***Q: Am I expected to take down notes?***  *A: You will write in your consumable textbook, which will be stamped throughout class. You SHOULD have a notebook for IXL that can be a section in your notebook or a binder or kept in the classroom.*  ***Q: If I miss a test/quiz or if I fail it, will I be allowed to make it up?***  *A: Yes. Here is the process:*   1. *Complete assessment corrections* 2. *Finish the corresponding Practice Problems and IXL Practice* 3. *Tell Strehlow you are “ready for a retake on \_\_\_\_\_\_” during lunch or in office hours.*   ***Q: How can I succeed in this class?***  *A: Work through the Textbook lessons with your groups, reading carefully and asking questions when you are confused. Complete the Practice Problems and IXL skill practice. Bring your materials with you. If you do poorly on an assessment, study the material and ask to re-take it.* | **Materials Needed**.Description: http://4.bp.blogspot.com/-uNo_xYtK0nI/TW-y7qbIIcI/AAAAAAAAAB4/1ZES9MagyEM/s760/Algebra%2B2.gif   * IM Textbook: You should have your textbook with you every day. You will leave it in class if you finish your work on time, otherwise you must be sure to bring it back with you. * Math notebook: You should have a notebook to take at least one page of notes per day. You will complete a reflection at the end of most classes. You should also do IXL examples here. They should be labeled with the name of the IXL skill or Unit/Lesson number. * Pencils and Erasers * 4 colored pens/pencils: Our brains learn better in color, so you should be ready to use color purposefully * Mini Stapler /gluesticks * Calculator (provided) * Textbook (consumable copy and online access) * Laptop and charger (fully charged) |
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**PROGRESSIVE DISCIPLINE**

If the norms of the class continue to be violated, the following progression will occur with Administrator referral to follow.

| 1st step | Student Conference after class |
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| 2nd step | In-class consequences: change seats, send to another room,individual reflection, etc. |
| 3rd step | Parent Contact: Call home, Email, Blackboard Connect, Send note home, etc. |
| 4th step | Student meets with counselor and/or coordinator (assigned by teacher) |
| 5th step | Parent Conference (parent/teacher/student) |
| 6th step | Administrator conference (assigned by the counselor) |

| **For Parents/Guardians:**  I am your child’s mathematics instructor. If you have any questions or concerns, feel free to contact me before or after school. We can also make arrangements to meet if necessary. Please review my policies for this class. If you understand and accept these policies please sign below and ask your child to return the signed form to me. If you do have any questions please call or text me at ‪(323) 380-0374‬ or email me at [s.strehlow@lausd.net](mailto:s.strehlow@lausd.net) I look forward to working with you.  *Si tiene algunas preguntas o inquietudes, me contacta antes o después de clases. También podemos hacer arreglos para reunirnos en casos necesarios.*  *Por favor revisa mis políticas para esta clase. Si está de acuerdo con estas políticas, firme y hable a su hijo que devuelva el documento firmado. Si tiene alguna pregunta, llame o envíe un mensaje de texto al ‪(323) 380-0374‬ o envíeme un correo electrónico a* [*s.strehlow@lausd.net*](mailto:s.strehlow@lausd.net) *Espero con interés trabajar con ustedes.* |
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| **Materials** | |  | IM notebook | IXL notebook/section | 4 colored pens/pencils | Mini Stapler / Gluesticks | Writing Utensils (Pencils) (2) | | --- | --- | --- | --- | --- | --- | | Stamp |  |  |  |  |  |   These materials and signed syllabus are due in class before or on **MONDAY, AUGUST 21st**. If you do not have them, you will receive a phone call home. |
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| **Signed Statement**  The student has received a copy of the course syllabus and understands all of the norms, structures and grading criteria for Ms. Strehlow’s Period 4 Algebra 2 class.  The parent/guardian has read and discussed this syllabus with the student. We are aware of the expectations of this course. *Padres/tutores han leído y discutido este programa con los estudiantes. Somos conscientes de las expectativas de este curso.*    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Student’s Name (print) Student’s Signature  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Parent/Guardian’s Name (print) Parent/Guardian’s Signature  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Parent/Guardian’s Phone number Parent/Guardian’s E-mail (or *other* phone #)  Other comments or questions *(otro comentario o pregunta?):* |
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