



Curriculum Night

2018-2019

ASU Preparatory Academy
ARIZONA STATE UNIVERSITY



Mission

ASU Preparatory Academy is an innovative K-12 charter school where teachers, students and families share the same goal – college graduation. Our mission is to provide premium environment for learning, helping all students become innovative leaders and problem solvers who are prepared for success in college and their preferred careers.

Arizona State Common Core Standards

Cambridge Curriculum

Academics | Partnership | Leadership | Innovation



PARENT DROP OFF AND PICK UP

IMPORTANT INFORMATION

- Drop off does not begin until 7:45am.
- Please do not drop students off in the parking lot. If you do not wish to use the Drive Line drop off, you MUST park your car and walk your student to the playground crosswalk.

ONLY Kindergarten students may enter through the front office.

- ★ As you are waiting to drop off and pick up, please be sure not to block the driveways on the south west side of the campus. This is where our Preschool families are dropping off.

This year we have implemented a parking lot monitor to ensure the safety of all students. Incidents will be recorded and you will be contacted by administration after repeat offenses.



As you exit our parking lot, stay to the **LEFT** which will keep you on the inside lane of the round about. This will prevent you from getting stuck in the pick up line (on the right side nearest the curb).

What are the goals of tonight?

- Understand how students are placed in courses.
- Learn about major assessments for the school year.
- Gain an overview of the curriculum in each subject area.
- Learn about Student Data Notebooks
- Learn about ways parents can support students' academic success this year.



How are students placed?

- Teacher recommendation
- District Benchmark data
(Learning Management System)
- Course effort and academic grades
- Placement exams
- Scheduling logistics



What grade level curriculum is my student working on?

- Each student receives curriculum at his or her instructional level.
- Teachers will always lean towards the higher level curriculum and provide necessary supports to push students.



IGCSE Placement for 2018-2019

Score of 4 or more on Secondary 1 Checkpoint Exam

AND two of the following:

80% or more on Stage 9 Coursework.

OR

80% or more effort grade on Stage 9 Coursework.

OR

80% or more on District Benchmark Exams.



Major Assessments

- District Level: ASU Prep Benchmark
- State Level: AzMERIT in April
- Grades 6-8: Cambridge Testing in May
 - IGCSE: some 8th graders
 - Checkpoint Stage 9: some 8th graders, some 7th graders
 - Progression Stage 7: all 6th graders
 - Progression Stage 8: some 7th graders



Math

Our Cambridge mathematics courses are aligned with the Arizona College and Career Readiness Standards for Mathematics and the Cambridge International Secondary 1 and IGCSE Mathematics standards. This mathematics curriculum is presented in four content areas: Number Sense, Algebra, Geometry, and Data Analysis.



Math

**Stage 7 -
Aligned with 6th
grade standards**

**Stage 8 –
Aligned with 7th
grade standards**

**Stage 9 –
Aligned with 8th
grade standards**

**IGCSE –
Aligned with 9th
grade standards**

Number Sense	Place Value, Integers, Powers, Roots, and Mental Strategies	Place Value, Integers, Powers, Roots, and Mental Strategies	Ordering and Rounding, Fractions, Decimals, Percentages, Ratio and Proportion.	Review of Number Concepts, Ratio, Proportion and Percentages.
Algebra	Expressions, Formulae, Equations, and Simple Functions.	Expressions, Formulae, Equations, and Simple Functions.	Expressions, Formulae, Sequences, Linear Functions and Graphs.	Equations , Formulae, Sequences, Function Notation, Linear and Quadratic Equations.
Geometry	Expressions, Formulae, Equations, and Simple Functions.	Congruency, Angle Properties , Constructions, Transformations, Area and Volume.	Shapes and Geometric Reasoning, Pythagoras' Theorem, Position and Movement, Bearings and Circles.	Lines, Angles, 3D figures, Pythagoras' Theorem, Transformations and Matrices.
Data	Planning, Collecting and Displaying Data.	Planning, Collecting and Displaying Data.	Planning and Collecting Data, Interpreting Data and Graphs.	Planning and Collecting Data, Statistical Calculations, and Interpreting Graphs.



Math Summer Bridge

Stage 9 & IGCSE

- Students who do not earn at least a C in these courses will be required to attend a mandatory Summer Bridge program to ensure readiness for the next level in the 2019 - 2020 school year in high school.
 - *** C will require teacher approval to register for next course in HS.*



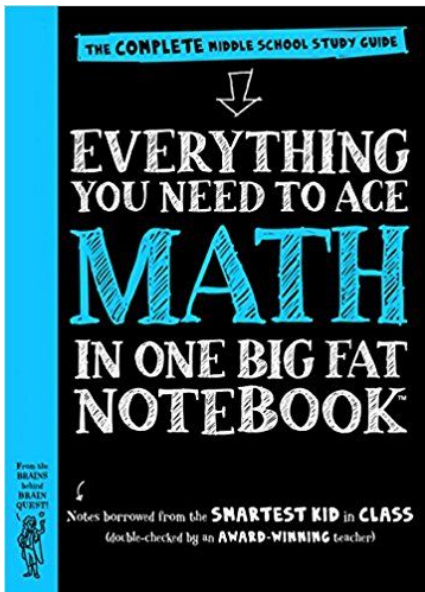
Math Support/Communication

- Tutoring
- Retakes for Quizzes and Tests need to be completed within one week of testing
- Math Notebooks
- Google Classroom
- ClassDojo



Math Support/Communication

Please plan to order a copy for this year.



https://smile.amazon.com/Everything-You-Need-Math-Notebook/dp/0761160965/ref=sr_1_1?ie=UTF8&qid=1532117315&sr=8-1&keywords=everything+you+need+to+ace+math+in+one+big+fat+notebook



7/8 Science

Stage 8: A blend of Biology, Chemistry and Physics.

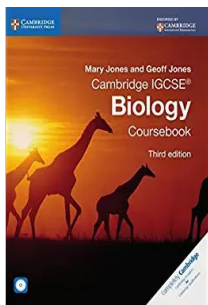
- Exploration with plants and animals; review of cellular systems; investigation photosynthesis, respiration, and transport of plan; study of the first 20 elements on the periodic chart, and the basic elements of Physics, such as light, sound and magnetism

Stage 9: Biology, Chemistry and Physics are further explored in more depth.

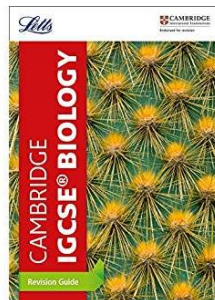
- Delve further into plants with emphasis on the chemical formulas; chemical compounds are examined; and calculations within physics are tackled (amplitude, pitch, etc.)

IGCSE Biology:

IGCSE Biology is the first of the Biology courses taken in high school. The goals include discussing cells with the functions of the parts. Further investigations will provide a look into how cells receive nutrients in order to aid the function of larger systems, such as respiration and digestive. Examination of the reproduction of cells, animals, and plants occur to express repair, growth, and homeostasis. Influences on the environment to animals and the vice versa are explored.



<https://smile.amazon.com/s?url=search-alias%3Daps&field-keywords=igcse+biology&srefix=igcse+bio%2Caps%2C331&crd=1KDY281EIE6QG>



https://smile.amazon.com/Letts-Cambridge-IGCSE-Biology-Revision/dp/0008210314/ref=sr_1_2?ie=UTF8&qid=1533702346&sr=8-2&keywords=igcse+biology+revision



Science (cont.)

- How can you and your child support success in Science?
 - Students need to keep worksheets, notes, and labs for studying
 - Use the “Study” tab on the Weebly for help.
 - Review notes that are on the Planbook*.

*Note: Planbook is modified weekly.



Social Studies

6th Grade:

- **Research Skills for History – embedded throughout curriculum**
- **Reading & Writing**
 - **Informational text - citing evidence**
 - **Reports, Opinion, Persuasive**
- **Government/Constitution**
- **Geography - Review**
- **U.S. History -**
 - **Age of Exploration**
 - **Settlement in North America**
 - **Colonization**
 - **The Fight for Independence**



Social Studies

7th & 8th Grade

- **Research Skills for History – embedded throughout curriculum**
- **Reading & Writing**
 - **Informational text - citing evidence**
 - **Reports, Opinion, Persuasive**
- **Government/Constitution**
- **Geography - Review**
- **U.S. History -**
 - **A New Nation**
 - **The Changing Nation**
 - **The Modern Era - World Wars**



IGCSE First Language English

Coursework

Quarters 1-3

Students submit a writing portfolio. The three papers of the portfolio combine to equal 50% of students' IGCSE score.

Assignment 1: descriptive paper

Assignment 2: argument paper

Assignment 3: response-to-text paper

End of Year Exam

Quarter 4

Candidates answer three questions on two passages. Passage A will be 650-750 words in length and Passage B will be 550-650 words in length. The exam is worth 50% of students' IGCSE score.

Question 1 Extended Response

Question 2 Language

Question 3 Summary

Each question is a series of questions in response to either Passage A or Passage B, and each includes a written response (varying lengths).

The exam lasts 2 hours.



Cambridge Stages 8 & 9

End of Year Exam

Students take the Checkpoint exam, which covers standards in 4 general categories:

Phonics, spelling, and vocabulary

Grammar and punctuation

Reading (fiction, poetry, & non-fiction)

Writing

The exam times vary for Stage 8 and Stage 9 but are approximately 75-90 minutes.



6th Grade

Concepts & Skills

- Textual evidence
- Inferences
- Objective summaries
- Main ideas and themes
- Connections among setting, plot, and characters
- Connotative and figurative meanings
- Impact of word choice on meaning and tone
- Point of view
- Written text vs. portrayal in other media formats
- ** Compare/contrast text genres
- Arguments and evidence
- Quotes and paraphrasing
- Transitions
- Narrative techniques (e.g. dialogue, description)
- Sensory language
- Writing Process
- Research and source credibility
- ** Pronoun usage
- ** Commas, parentheses, dashes

End of Year Exams

AZMERIT 6th Grade Reading
AZMERIT 6th Grade Writing
Cambridge Stage 7 Progression



7th Grade (Cohort D)

Concepts & Skills

- Textual evidence
- Inferences
- Objective summaries
- Main ideas and themes
- Connections among setting, plot, and characters
- Connotative and figurative meanings
- Impact of word choice on meaning and tone
- Point of view
- Written text vs. portrayal in other media formats
- ** Fictional portrayal vs. historical account of events
- Arguments and evidence
- ** Counter arguments
 - Quotes and paraphrasing
 - Transitions
 - Narrative techniques (e.g. dialogue, description)
 - Sensory language
 - Writing Process
 - Research and source credibility
- ** Phrases and clauses
- ** Sentence structure
- ** Misplaced modifiers
- ** Commas

End of Year Exams

AZMERIT 7th Grade Reading
AZMERIT 7th Grade Writing
Cambridge Stage 8 Checkpoint



Approaches to Middle School ELA

Metacognitive Reading Strategies

Students are taught to be mindful of the processes they use to make meaning in texts. The teacher models through think-alouds, including ways to work through challenges with difficult texts.

Independent Reading

Students are required to have an independent reading book with them every day, and students have complete choice in what they read for pleasure. Although students are given some class time for reading, we recommend that students also spend time reading at home to finish books in an appropriate time frame.

Writing Process and Writing Strategies

Students explore strategies in each part of the writing process: planning, generating ideas, gathering information, outlining, drafting, revising, editing, publishing, and presenting. Students will write for a variety of purposes (e.g. to inform, to persuade, to narrate) and in a variety of genres (e.g. brochure, essay, infographic, short story).



Approaches to Middle School ELA

Grammar in the Context of Writing

Students study grammar and punctuation in the context of writing and for the purpose of expanding written expression. Students will learn to use words and sentence structures with greater intention, reflecting on writing choices and strategies.

2018-2019 Topics and Texts

This year, units are designed around topics to foster cross-cultural understanding. Students will engage with texts from a variety of cultures, including groups that are or have been marginalized. Some of the topics are sensitive (e.g. race, class, immigration, genocide), so students are expected to be respectful. We will read the following novels during the year:

Seedfolks by Paul Fleischman

American Born Chinese by Gene Luen Yang

Long Way Down by Jason Reynolds

Maus: A Survivor's Tale by Art Spiegelman



English

How can I support my student at home with English Language Arts?

1. **Supplies** - Students must come prepared each day with a pen or pencil and an independent reading book. Composition notebooks are kept in the classroom.
2. **Reading** - Encourage students to read and share their reading at home.
3. **Communication** - Check Weebly sites for important information, and email us with questions or concerns.

678asuprep.weebly.com

cflackasuprep.weebly.com, christina.flack@asu.edu

jscholesasuprep.weebly.com, jscholes@asu.edu



STEM

Science | Technology | Engineering | Mathematics


STEM is a core curriculum project-based course based on the idea of educating students in four specific disciplines — science, technology, engineering and mathematics — in an interdisciplinary and applied approach. It is aligned with both College and Career Readiness Standards, and the Cambridge International Secondary I Science Curriculum.

Students will complete the course with knowledge of:

- The nature of science itself and a deep understanding of the scientific method and how to solve problems scientifically
- Supplemental or applicative instruction in subject matter aligned with AZ CCR Standards and Next Generation Science standards that may not be covered as in-depth with Cambridge Secondary I



6th Science/ 5-6 STEM

Science	STEM
<p data-bbox="330 468 691 515">Inquiry Process</p> <p data-bbox="208 534 813 581">Interpret Data and Analyze</p> <p data-bbox="179 599 846 646">Obtain and Present Evidence</p> <p data-bbox="311 665 714 712">Scientific Method</p> <p data-bbox="92 731 929 841">Physics: Forces and Motion, Energy, and The Earth and Beyond</p> <p data-bbox="92 859 929 969">Chemistry: States of Matter, Material Properties, Material Changes</p> <p data-bbox="112 988 909 1098">Biology: Plants, Human Body, and Living Things in Their Environment</p>	<p data-bbox="1122 468 1734 515">Engineering Design Process</p> <p data-bbox="1051 534 1808 581">Design and Conduct Investigations</p> <p data-bbox="1282 599 1576 646">Measurement</p> <p data-bbox="1166 665 1692 712">Football Field Challenge</p> <p data-bbox="1244 731 1615 778">Simple Machines</p> <p data-bbox="1340 796 1518 843">Weather</p> <p data-bbox="1244 862 1615 909">Candy Chemistry</p> <p data-bbox="1282 928 1576 975">Solar System</p> <p data-bbox="1340 993 1518 1041">Rockets</p> <p data-bbox="1174 1059 1692 1106">Biomedical Engineering</p> <p data-bbox="1271 1125 1595 1172">Medical Clinics</p> <p data-bbox="1232 1190 1634 1238">No Bones About It</p> <p data-bbox="1180 1256 1676 1303">Roller Coaster Physics</p> <p data-bbox="1321 1322 1537 1369">3D Printer</p> <p data-bbox="1315 1388 1557 1426">Ecosystem</p> 

7/8 STEM

In 7/8 STEM, the class will study all facets of STEM through an interdisciplinary theme incorporated through the teaching of Forensic Science.

Forensic Science is a unique STE(A)M field in which many Science, Technology, Engineering, Art, and Math careers are represented.

Through the Forensic Science “umbrella”, students will integrate knowledge and critical thinking skills, and be able to connect our classwork to something real, relevant, and captivating.



7/8 STEM

First Semester

- **Forensic Science: *Introduction***
 - **Observation & Inference**
 - **Deductive Reasoning & Critical Thinking**
 - **Imprint Evidence**
- **Forensic Science: *Physical Science & Engineering***
 - **Chromatography**
 - **Fiber Analysis**
 - **Effect of Mass on Acceleration**
 - **Unknown Substances**
 - **Structural Failures**
 - **Fiber Analysis**

Second Semester

- **Forensic Science: *Earth Science, Archaeology, & Anthropology***
 - **Skeletal Evidence**
 - **Reconstructing Past Events**
 - **Environmental Mystery**
- **Forensic Science: *Life Science & Technology***
 - **Dental Forensics**
 - **Principles of Inheritance**
 - **DNA**
 - **Image Processing**
 - **Hair Analysis**
 - **Mystery Disease**



7/8 STEM

To be successful in STEM, students will need to:

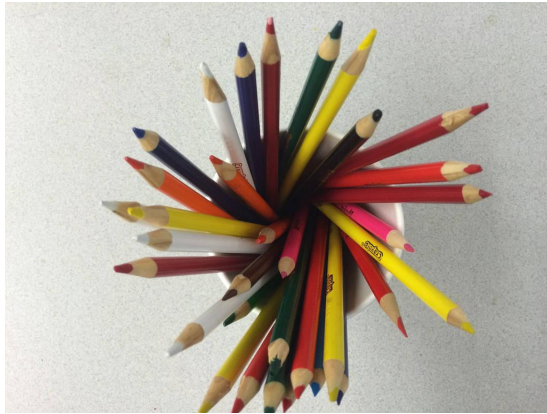
- Take notes daily
- Complete homework
- Contribute in class
- Participate in labs
- Create lab reports
- Ask questions

Quizzes are “open notes”, so learning how to take detailed and concise notes is important.

Class **PowerPoint Notes** and **Homework** are available under “**Resources**” on my Weebly.



7-8 Specials



- Art
- Music
- PE
- Español



Mrs. Stormy Olsen

K-8 Art



See you again in Art!!

Students will be learning a variety of techniques in drawing, painting, sculpture and mixed media.

Please visit my website:
solsenasuprep.weebly.com

Follow us on Instagram
[@asu.prep.art](https://www.instagram.com/asu.prep.art)

Feel free to contact me with questions or concerns.

Stormy.Olsen@asu.edu

(480) 727-5844

7-8 Grade Music: Mrs. Kelley

If you need to talk to me and don't have the opportunity in school:

- Weebly: mkelleyasuprep.weebly.com
- Email: miranda.kelley@asu.edu

Feel free to contact me at any time regarding issues or concerns within the classroom.

Classroom expectation

- I am continuing to aim to have a paperless classroom. Computer etiquette from all students is crucial for this to happen.
- Music is a very hands on activity and participation is a must!
- Positive attitude and an open mind to music of various cultures and genres.



5th – 8th

Physical Education: Coach Brown

What to bring on PE Days:

Every student should wear closed toe shoes. If you are not wearing the proper shoes, you will not be able to participate.

Students may wear hats and sunglasses outside during PE.

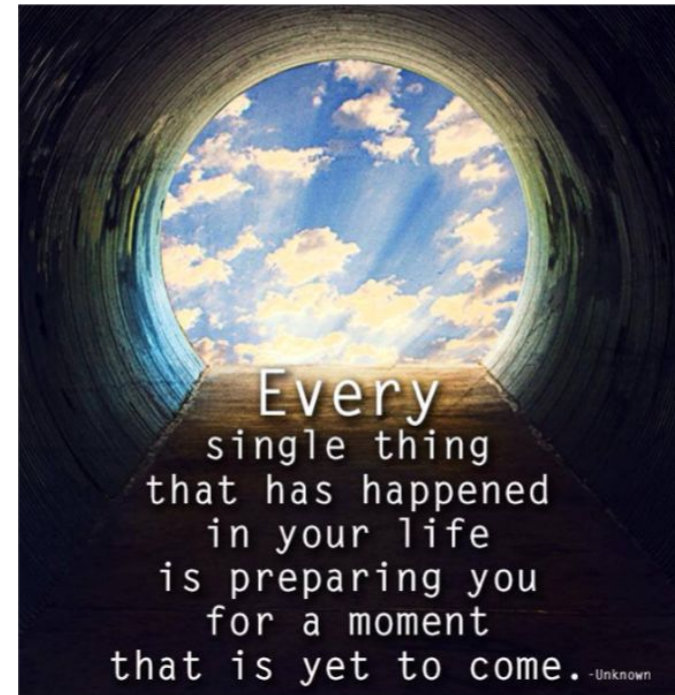
Bring a positive attitude and willingness to have fun!

CONTACT INFORMATION:

* bbrownasuprep.weebly.com

* bbrown9@asu.edu

* 480-727-5000



Bienvenidos a Español 5-8

- All communication regarding classroom activities and events will be handled through school website.
- All communication regarding classroom behavior and concerns with student progress will be handled through email or phone call home.

Contact information:

- **Email:** christina.caro@asu.edu
- **Weebly:** <http://mcaroasuprep.weebly.com/>
- **Direct:** 480-727-5858



I am very excited to be working with all of you this year!
This will be our best year yet!!

Un abrazo,

Sra. Caro



How can I support my student?

1. Encourage Daily Practice

2. Communication with Teachers

msander7@asu.edu, kim.caruthers@asu.edu,
pat.converse@asu.edu, barbara.cushing@asu.edu,
christina.flack@asu.edu, aobert@asu.edu,
justin.scholes@asu.edu, amanda.wojtalik@asu.edu

3. Checking Weebly and Planbook. Go to
678asuprep.weebly.com

4. Encouraging the ASU Prep Way



Student Data Notebook

- Students will track their own learning in every class
 - Student component: They will set goals & track them every quarter.
 - Teacher component will include data
 - Examples:
 - Pre/Post Test in particular concept that needs to be mastered by grade level per quarter and or year
 - Formative assessment – an informal way teachers check for understanding and are therefore able to give students feedback. This also guides teacher instruction on grade specific concepts.



Tracking My Own Learning

- Example of a Student Learning Goal

- *Math- Understand and use decimals and percents*

- My score at beginning: 2

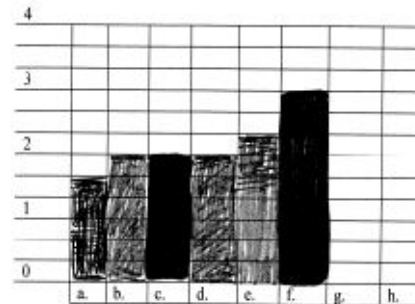
- My Goal: 3

- By: Nov. 30

Learning Goal

math - Understand and use decimals and percents

My score at beginning: 2 My Goal: 3 by Nov 30



- a. Oct 7 (2-)
- b. Oct 12 (2)
- c. Oct 19 (2)
- d. Oct 20 (2)
- e. Oct 22 (2+)
- f. Oct 27 (3) 😊
- g. _____
- h. _____

4 I make no mistakes. I understand completely.

3 I make no major mistakes, maybe little errors but ~~no~~ understand what is important.

2 I make some major mistakes, My errors show I do not understand some important ideas.



4 I make no mistakes. I understand ~~it~~ completely.

3 I make no major mistakes, maybe little errors but ~~no~~ understand what is important.

2 I make some major mistakes. My errors show I do not understand some important ideas.

1 I make many major mistakes. I just do not understand yet.

Student Reflection

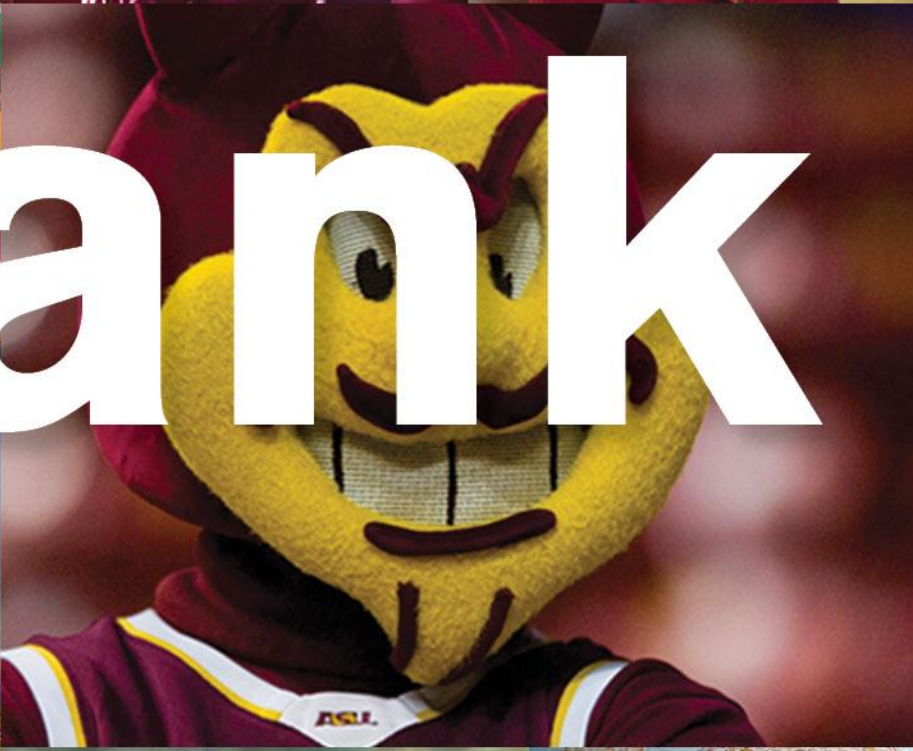
- Students will share their data notebooks with parents at ILPs.
 - Great way to make sure that every student is reflecting on his/her learning
 - Student buy-in
 - Student self- accountability
 - Student celebration



Foundations Class Goals

- Every Foundations class will create a mission statement & display it
- Every Foundations class will create a class goal
 - Class will track and display goal together.





thank
you