



The Facing History School Strategy & Logic Syllabus



Teachers: Colleen & Carelythia

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Description:

This course will include puzzles, games, and financial planning to support mathematical and critical thinking in students. Students will strategize, analyze strategies, and make valid arguments for solutions or decisions made throughout the semester. They will make connections between logic, mathematical thinking, and real life planning as they practice developing and defending arguments for thoughtful, evidence-based decisions.

Units of Study:

Unit 1: Strategy & Reasoning

Unit 2: “Life”: Financial Planning

Classroom Policies:

- ❖ Be on time.
- ❖ Do not talk when someone else is talking.
- ❖ Come prepared with required classroom materials.
- ❖ Stay on task
- ❖ NO CELL PHONES
- ❖ Be in uniform
- ❖ Always be courteous, considerate, and respectful toward others and their property.

Classroom Procedures and Expectations:

1. Tardies

A student is tardy to class if they are not physically in the classroom and ready to begin when the bell rings (Except for first period, tardy after 9:00 am). After 3 tardies, there will be a conference with dean and guidance counselor and parent/guardian will be called.

When late, student must have a pass. If you do not have a pass, you will be marked as an unexcused tardy.

2. Absent to Class

Planned Absence ≡ you know you are going to be absent (e.g. doctor’s appointment)

Make sure you let us know so we can give you the missing work. Documentation must be provided at your return.

Unplanned Absence = you are absent but did not anticipate or expect it (e.g. illness)
You must email your teachers and at your return, you must make up the missing work.

3. Headphones

Headphones should not be visible on your body. Headphones are not allowed in your ears, draped around your ears, and all the other possible ways to wear headphones.

4. Uniform

You must be in uniform before entering the room. You are expected to follow the school uniform policy in this class. If your shirt or pants are out of uniform (including hoodies), you will be sent to the admin offices to receive an appropriate uniform.

5. Bathroom/Water Fountain Policy

Students must ask permission to leave the classroom during the class period. Only one student will be allowed out of the classroom at a time. No students can use the bathroom during the first 10 minutes of class or last 10 minutes of class. You ALWAYS need a pass whenever you leave the classroom.

6. Homework, Quizzes and Exams

This course will not include very much Homework. Some activities, like Fantasy Football, will require that students keep track of points outside of class. This will not be a grade, but will impact their performance on classwork. Students will receive a weekly quiz grade based on performance, explanation and analysis of strategy, and explanation of mathematical connections for the week.

Consequences for not following these rules will be as follows:

- 1.) Verbal Warning
- 2.) One-on-one conversation
- 3.) Call home and/or sent to Courtney or admin office.

Grading Policy

Category	Examples	Grade Percentage
Learning Activities	Classwork, Reflections	40%
Formative Assessments	Weekly Quiz Grade	30%
Summative Assessments	Projects	30%

Final Grades

A+ 97-100	B+ 87-89	C+ 77-79	Fail 0-64
A 93-96	B 83-86	C 73-76	
A- 90-92	B- 80-82	C- 65-72	

Semester 1 at a Glance

Unit 1: Strategy & Reasoning

Description: Students will think through puzzles and games independently and in group settings. They will also partake in a fantasy football league. Students will spend time considering and analyzing their strategies through the mathematics-based activities.

Essential Question: What is mathematical thinking?

Time Frame: September - November

Unit Final Due: November 9, 2018

Standards	Learning Targets
<p>PBAT Rubric: Select appropriate and efficient strategies to solve math problems.</p> <p>Provide explanation of strategies I use to solve math problems.</p> <p>Makes valid conceptual/theoretical arguments and justifies them logically.</p> <p>Standards for Mathematical Practice:</p> <p>Make sense of problems and persevere in solving them.</p> <p>Construct viable arguments and critique the reasoning of others.</p>	<p>P: I can analyze strategies for appropriateness and efficiency.</p> <p>P: I can select appropriate and efficient strategies to solve math problems.</p> <p>P: I can provide explanation of strategies I use to solve math problems.</p> <p>P/MP: I can make valid conceptual arguments and justify them logically.</p> <p>MP: I can make sense of problems and persevere in solving them.</p> <p>MP: I can critique the reasoning of others.</p>

Unit 2: "Life": Financial Planning

Description: Students will partake in a classroom economy. They will be provided with a starting identity and then make housing, schooling, work, and financial decisions throughout the unit. Everyday will be a simulation.

Essential Question: What is worth our money?

Time Frame: November - January

Unit Final Due: January 18

Standards	Learning Targets
<p>PBAT Rubric:</p> <p>Executes conceptually sound mathematical procedures with minor computational errors</p> <p>Makes valid conceptual/theoretical arguments and justifies them logically.</p> <p>Explanations are clear and explain mathematical thinking in an organized and detailed way.</p> <p>Demonstrate understanding of relationships between mathematical concepts and strategies.</p> <p>Standards for Mathematical Practice:</p> <p>Reason abstractly and quantitatively.</p> <p>Make sense of problems and persevere in solving them.</p> <p>Construct viable arguments and critique the reasoning of others.</p>	<p>P: I can select and execute mathematically sound procedures.</p> <p>P: I can demonstrate understanding of the relationship between mathematical concepts and strategies.</p> <p>P: I can provide explanation of strategies I decide to use.</p> <p>P/MP: I can make valid conceptual arguments and justify them logically.</p> <p>MP: I can make sense of problems and persevere in solving them.</p> <p>MP: I can critique the reasoning of others.</p>