Welcome Fremd High School Class of 2029!

Tonight's Agenda



In this session:

- English, Math, Science Placement Guidelines
- What does the curriculum look like at the different levels?
- School/Life Balance for Students

After this session you will go to:

Media Center with the Guidance Department



English Curriculum Lindsey Komperda English Department Chair

How English Placement is Determined?

- Placement is determined by:
 - Pre-ACT 8/9 score
 - 8th grade teacher recommendations can also help inform proper placement

E101 English 1

LEVEL: 1 One unit

One year One un The course is designed to improve basic language skills in reading and writing. The writing program stresses the application of language skills in a variety of compositions. The reading program develops skill in recalling, summarizing, making predictions, and making inferences. Activities focus on reading strategies useful for a wide range of materials. High-interest materials are utilized at increasing levels of difficulty. (NCAA Core Course)

PreACT 8/9 English Score 1-7; Reading Score 1-12

E101 STUDENT AREAS OF FOCUS

An E101 student will ...

- gain additional support in overall skill development, specifically
 - developing a main idea statement and supporting it with relevant and sufficient details
 - moving beyond basic comprehension and merely summarizing a text to analysis
 - \circ $\,$ clearly conveying ideas when writing and/or speaking
 - \circ supporting claims with related evidence
 - increase reading endurance to read independently and comprehend a text without guidance
 - learn to self-advocate to articulate academic areas of growth when asked what they're struggling with

E101 EXAMPLE

Loneliness

In the novel Of Mice and Men there is a lot of loneliness and it's very dangerous with their health. First, the characters that were lonely became crazy and that endangered everyone. In the book Lennie came into Crooks room and he was very upset and angry because if Crooks isn't allowed in the bunk then Lennie isn't allowed in his room. One reason is, Curley's wife has to talk to the men because she is lonely in the house because Curley doesn't talk to her. A other character that is lonely is, Lennie is lonely because he always needs something to pet. Lenie always steals dead mice or goes to the ranch to see puppies to not feel lonely. To sum up everything, loneliness is very dangerous in Of Mice and Men because the characters could lead themselves to death.

In this example of a multi-draft final essay, we see summary of events, some minor punctuation errors and some word choice issues that impede understanding.

E102 English 1

LEVEL: 1 One unit

One year This course for freshmen includes the study of literature and extensive practice in writing. Literature studies involve analysis and appreciation of a variety of types and themes. The composition program stresses clarity, specificity, and creativity. The basic principles of the fine arts are introduced and integrated into the language arts curriculum. (NCAA Core Course)

PreACT 8/9 English Score 8-9; Reading Score 13-15

E102 STUDENT DESCRIPTORS

An E102 student will...

- write and think at a grade-appropriate level
- contribute to class and group discussions, but may need teacher prompting to participate
- require prompting to actively annotate texts, look up unknown terms, etc.
- learn to engage with writing as a process
- consistently complete assigned work, but work may not reflect always commitment to submitting the highest quality work
- use academic supports only when directed to by an adult

E102 EXAMPLE

In the book Of Mice and Men, Steinbeck writes his characters to be more relatable with the readers. "Come on in if ever'body's comin' in you might just as well.' It was difficult for Crooks to conceal his pleasure with anger." (Steinbeck, 75). This quote shows a more relatable character in the sense that everyone's felt lonely before. Crooks is isolated from the other men, but he doesn't want the guys to find out he is lonely. Crooks puts on his persona of a tough guy; someone who doesn't care. What Crooks is showing on the outside is not what he's feeling in the inside, which is what people do. We tend not to show what's really going on.

This student has moved from summary to analysis of the character and his motivations. However, there are still some minor errors.

E108 English 1

One year One unit Students in this accelerated course are introduced to a variety of literary elements in different types of literature. Creativity is developed through class study of literature and independent study. The composition program includes experience in both creative and critical writing. The basic principles of the fine arts are introduced and integrated into the language arts curriculum. (NCAA Core Course)

LEVEL: 1

PreACT 8/9 English Score 10-30; Reading Score 16-30

E108 STUDENT DESCRIPTORS

An E108 student will...

- consistently show insight in writing and thinking
- consistently contribute to class and group discussions by evaluating, synthesizing or connecting information
- consistently submit high quality work
- actively read by annotating texts, looking up unknown terms, etc.
- consistently revise writing by using teacher feedback
- consistently utilize academic supports when faced with challenges
- consistently demonstrate a desire for increased knowledge/skills

E108 EXAMPLE

For most of U.S. history, women have been oppressed economically, educationally, socially, and politically. This sexist treatment reached a very high peak during the Great Depression. Overall, women were viewed as inferior to men, and people felt that women's role in society wasn't important as compared to the role of men. Women were discriminated by being shamed for doing the same things that men got praised for, for example flirting with the opposite gender, or enjoying going on many dates, etc. Women were also expected to act a certain way in order to meet the standard of what others want from them, meaning that women were 'supposed' to listen to what they were told, there were not supposed to voice their opinions if they didn't agree with something, and generally they were supposed to just be as perfect as they could be. Most people didn't do anything about this, and just let it continue to get worse to this day. In Of Mice and Men by John Steinbeck, Curley's wife's is a symbol of sexism and discriminatory treatment against women during the 1930s. Curley's wife's place in the story is to show that the intolerant treatment used towards women is a real issue that isn't noticed by many. Since people were used to this sexist mindset, Steinbeck is shining a light on the problem to bring it to the attention of the readers in order to gain respect and value towards women.

This student has moved past summary and is using the text to highlight a greater issue of the time period of the text. The student is using the text and their knowledge of historical context to make a greater argument about sexism.

Math Curriculum Christopher Grattoni Math Department Chair

How Math Placement is Determined?

- Placement is determined by:
 - 8th grade math course
 - PreACT Math Score
 - 8th grade teacher recommendations







8th Grade:

Acc. Algebra 2/Precalc

9th Grade:

Trigonometry/Calc

10th Grade:

AP Calculus BC

<u>11th Grade:</u>

Multivariable Calculus

12th Grade:

AP Statistics

The Honors Math Student

- Intellectually-curious, self-motivated, and hard-working
- Asks "Why?" and not just "How?"
- Welcomes a challenge
- Ready for at least 30 minutes of homework every night and at least an hour before a quiz/test.
- Seeks help when stuck
- Most honors students aren't satisfied to give up on a difficult concept or problem

The Over-Achieving Math Student:

- Requires help on a regular basis from teacher/parent/tutor to do well on tests
- Spends 2 to 3 times the amount of time on assignments than what the teacher thinks should be necessary
- Focuses on the "How?" rather than the "Why?"
- Is a memorizer not a conceptualizer



Geometry Proof

13. Given: $42 \cong 43$ Prove: $41 \cong 43$

Statement	Reason
1. ∠2 ≅ ∠3	1. Given
2. ∡2 ≅(2. If <u>angles are vertical</u> , then the angles are congruent.
3. 41 =43	3. Transitive Property

Honors Geometry Proof

2) Given: △ABC is equilateral	R R
1. DABC is cavilateral	1.given
2. $AB \cong AC \cong BC$	2. All sides of equilateral △ are =
3. 41= 42= 43	3. If as, then as
4. AP ~ CA ~ BR	4. given
5. AD ~ BP ~ CR	5. Addition Property
6. 41 Supp 44, 42 Supp 45, 43 Sup	per 6. pet. of supp
7.44=45=46	$7. \cong supps theorem$
8. △PAO≅ △ RBP ≅ △ QCR	8. SAS (4,7,5)
9. PA = RP = OR	1. CPCTC
10. SPAR is couldteral	10. If all sides of △ are ≃, then equilateral

Incoming Freshman Summer School

- Students taking Geometry or Algebra 2 as freshmen may be invited to attend summer school
- You will be contacted in March or April regarding summer school
- Participation in summer school is associated with success in a student's freshman math course (and beyond)
- Fremd summer school math courses are popular: watch for the date in April & register quickly!

Science Curriculum Karl Craddock Science Department Chair

All Freshmen Take Biology

We have three primary levels of Freshmen Biology S131 (General level), S137 (Regular level) & S138 (Accelerated level)

Students are placed into their science course based on their Pre-ACT 8/9 science score and 8th grade teacher recommendation.

S131 General Level Biology Pre-ACT 8/9 Science Score 1-13

S137 College Prep Level Biology Pre-ACT 8/9 Science Score 14-16

S138 Accelerated Level Biology Pre-ACT 8/9 Science Score 17-30

SCIENCE FLOWCHART



SCIENCE FLOWCHART



SCIENCE FLOWCHART



JUNIOR/ SENIOR ELECTIVES



S137 OR S138 BIOLOGY?

What is the difference between S137 Regular Level Biology and S138 Accelerated Biology.

Answer- Accelerated Biology moves at a much quicker pace than regular Biology and dives deeper into content. Due to the accelerated nature of the course, students are not able to retake or remediate assessments and homework assignments must be turned in on time to receive credit.

Diffusion Lab Example

Materials:

Dialysis tubing
Starch Solution
Glucose Solution
Benedict's Solution

Graduated Cylinder Iodine Solution (I-KI) 250 mL or 400 mL beaker Rubber bands/string

Procedure:

Part I.

 Obtain a piece of dialysis tubing that has been soaking in water from the supply area. Tie off one end tightly with string or with a rubber band. You can also simply knot the bag.

2. Fill the tube with about 2 droppers full of starch solution. Then add about the same amount of glucose solution. At this point, your bag should be approximately half full. Next, tie the top of the tubing tightly with string or a rubber band. Again, you can also use a tight knot.

 Rinse the tubing with running water to remove any spillage from the outside and blot dry with paper towel.

4. Record the "beginning" color/appearance of the solutions in the bag at this point. Put this data in table 1.

All biology courses do a similar lab on diffusion. For S137 students are given a procedure for the lab.

Diffusion Lab Example

In designing your model, you must determine what type of data you will need to collect, how you will collect it, and how you will analyze it. To determine *what type of data you will need to collect*, think about the following questions:

- How will you prove that your cell model demonstrates semi-permeability?
- How long will you be waiting for diffusion/osmosis to occur before performing chemical tests?
- What type of measurements/tests will you need to make during your investigation?

To determine how you will collect your data, think about the following questions:

- What types of treatment conditions will you need to set up and how will you do it?
- · How many "cells" will you need to use in each condition?
- How often will you collect data and when will you do it?
- How will you make sure that your data are of high quality (i.e., how will you reduce error)?

Now write a step-by-step procedure that outlines the guidelines for setting up your working model. The steps need to explain exactly what you did to set up your situation (both in the environment inside the bag and in the environment outside the bag) and should include all chemical indicator tests you used and an explanation of how long you waited before performing these tests. It is also recommended that you *clearly state the results* of each test to prove which molecules moved or did not move. You may state these results below or place them into a data table as if we were doing an experiment.

For S138, students must be able to plan and perform their own procedure.

HIGH SCHOOL PLACEMENT GUIDELINES

- The Automatic Acceleration Act refers to <u>new</u> state legislation that requires the automatic placement of students into the next most rigorous level of coursework if the student meets or exceeds state standards in English language arts (ELA), mathematics, or science on a state assessment.
- This act has changed the way incoming freshmen are placed allowing the opportunity for more freshmen to enroll in accelerated courses.
- The Pre-ACT 8/9 Scores you received tonight will dictate what your 8th grader can take next year. Your family will choose what your 8th grader should take.

Choosing the best course options:

- Based on approximately 684 incoming Fremd Freshmen that took the PreACT 8/9, 487 of them qualify for E108 Honors English based on the Automatic Acceleration Act criteria
- The last time the ACT was given to all juniors was 2015, and Fremd's average was a 25.4 composite

Your PreACT[®] 8/9 Composite Score is 20 This graph shows your PreACT 8/9 scores and how they compare to the PreACT 8/9 Readiness Benchmarks.



SCHOOL/LIFE BALANCE

- It is important for students to balance their overall workload with their extracurricular and community involvement.
- Regardless of a student's initial placement, they can earn college credit by the end of their senior year through AP/Dual-Credit courses.
- Student course placement is evaluated throughout their high school career and adjusted accordingly. However, families should have the expectation that the level of courses they enroll in will be the same for the entire year.
- The goal of placement is to put your child in the best position to succeed and have a positive high school experience.

Any Questions?

Christopher Grattoni Math Chair cgrattoni@d211.org

Lindsey Komperda English Chair Ikomperda@d211.org

Karl Craddock Science Chair kcraddock@d211.org





You will now proceed to the Media Center with the Guidance Department