Materials:

• Graduation requirements, promotion requirements, courses of study requirements,

and GPA chart provided here.

• Example report cards for each student (4 to 5 samples representing different

ranges of GPA’s).

• Example transcript with the course and number of credits included for each

student. Four different examples of transcripts (1 that does not have 26 credits, 1

that does have 26 total credits, but only 3 English credits, 1 that has 26 total

credits and 4 English credits, but does not have 4 math credits, and 1 that meets

college/university prep requirements).

• “Introduction to High School Math” worksheet.

• Example transcripts provided in appendix

Lesson Plan:

Step 1: Transcript Activity

As students enter the classroom, hand them an example transcript with the course and

number of credits included (example: English- 4 credits) and tell them to go to their desk

and remain standing.

-Ask students that do not have 26 total credits to sit down. Explain to the class that they

will need 26 credits to graduate from high school (an average of almost 7 out of 8 classes

per year for four years).

-Ask students that do not have 4 English credits to sit down. Explain to the class that

they will need to pass English every year to graduate. At this point, tell them if they are

still standing they will at least graduate high school.

-Next, ask students that do not have 4 math credits to sit down. Explain to the class that

the people that just sat down may graduate from high school in the following courses of

study: College/Tech Prep, Career Prep, or Occupational Prep, but will not have the

requirements to go to a 4-year college upon graduating from high school.

-Finally, ask students that do not have at least 2 years of a foreign language on their

transcript to sit down. Explain to the class that students that want to go to college will

need at least two years of foreign language to meet minimum graduation requirements.

-The remaining students will be college/university prep high school graduates.

-Following the activity, use the example student transcripts provided in the appendix to

further discuss courses of study, GPA, class rank, etc.

Step 2: Grade Point Average Activity

Use the Grade Point Average chart provided to explain to students the concept of a grade

point average and what it means. Make sure they understand that they receive different

amounts of quality points based on their letter grade in each subject, and may receive

more points for Honors, AP, and IB classes. Give each student a sample report card and

ask them to calculate their GPA. Make sure there are several different report cards to

show the ranges of their GPA’s. Ask a couple of students to share their GPA’s with the

class and how they got them.

Step 3: Introduction to High School Math

Give each student an “Introduction to High School Math” worksheet (provided) to

complete in class. Circulate the room to answer any student questions.

Step 4: Plan for High School Success

Explain to students that when they register for high school in the spring they will need to

complete a 4-year plan to take with them to their respective high schools. Have the

students fill out a tentative 4-year graduation plan (included). Have students start on their

4-year plans in class and take them home to complete them and get them signed by their

parents. This activity will need to be completed only after students have access to

courses that will be available to them in high school or a program planning guide.

**Introduction to High School Math**

Everything you need to know about promotion and retention in high school, graduation

requirements, grading, and calculating your Grade Point Average is answered in the following

simple math problems that will prepare you for high school. Use the information in the charts

and sheets provided to you to answer the following questions.

**You need 24 credits= You need 4 English, 4 Math, 3 Science, 3 Social Studies, Personal Finance, PE, Practical, and Fine**

**Promotion/Retention**

1. Sally passes 6 out of her 7 classes to give her 6 course credits at the end of her freshmen

year. If she does the same thing every year in high school, will she have enough credits

to graduate?

2. At the end of his senior year, Eddie has 4 English credits, 3 Math credits, and no foreign

language credits. Which course of study does Eddie need to be in to graduate high

school?

3. John has 4 English credits, 4 Math credits, 3 Science credits, and 3 Social studies credits

to go along with 2 credits in Spanish. In which course of study is John likely

participating?

 **Grading**

 1. Anne has a 100, 90, and a 77 for her first 3 homework grades to give her a homework

grade average of 89. Last night she forgot about a homework assignment and her teacher

gave her a 0. What is her new homework average?

**Grade Point Average**

 **Letter Grades Standard Courses Honors AP/IB**

|  |  |  |
| --- | --- | --- |
| Letter Grade | Standard Courses | College/Honors Courses |
| A | 4 | 4.5 |
| B | 3 | 3.5 |
| C | 2 | 2.5 |
| D | 1 | 1.5 |
| F | 0 | 0 |

The GPA chart above shows the number of quality points given for each letter grade in

high school. Use the GPA chart to calculate the following students’ Grade Point Average.

**Richard Heather**

Honors English A Honors English B

Algebra I B Advanced Geometry D

Honors Earth Science C Advanced Biology A

World History B World History C

Richard’s GPA\_\_\_\_\_ Heather’s GPA\_\_\_\_\_\_