

Gateway to the Future:

A Future of Choices for High School Students

EXHIBIT G Education

**Document consists of 32 slides.
Complete document provided.**

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Presenting for the Washoe County School District

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What is the Gateway Course of Study?

The Gateway course of study is a series of high school classes in which all high school students will be automatically enrolled.

What classes make up the Gateway Course of Study?

- 4 years of English
- 4 years of math, including Algebra 3-4
- 3 years of science
- 3 years of social studies
- Remaining graduation requirements
- 6 elective credits
- total 24 credits

Current WCSD high school
graduation requirements have NOT
changed.



How does this differ from current WCSD graduation requirements?

- 3rd year of science
- 4th year of math, including Algebra 3-4 (with additional 4th year options)
- 6 classes during the senior year

Current

- 16 required courses
- 6.5 electives
- total 22.5 credits required for standard diploma

Gateway

- 18 recommended courses
- 6 electives
- total 24 credits recommended for Gateway Course of Study

When will the Gateway Course of Study take effect?

- Effective with incoming high school freshmen Fall 2006 (Class of 2010).
- Current upperclassmen are encouraged to take third year of science and math in their senior year.

How many students are already doing this?

Class of 2005 (Varies Widely by School)

- 3 credits of science
 - District Average 69.29%
- 4 credits of math
 - District Average 44.56%
- Fourth credit of math beyond Algebra 3-4
 - District Average 37.22%
- Seniors taking 6 classes (2004)
 - District Average 46.45%

How will Gateway impact student
course selection?



Washoe County School District

High School Schedule Examples with Gateway Curriculum

Classes required for standard diploma shown in bold. *Gateway Curriculum additions shown in italics.* (Some courses may be taken in a different sequence)

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English 1-2	English 3-4	English 5-6	English 7-8
Health/Computers	Social Studies (World Hist/Geography)	Social Studies (US History)	Social Studies (Government)
Math (Alg 1-2 or Alg 1A/1B)	Math (Geom or Alg 2A/2B)	Math (Alg 3-4 or Geom)	<i>Math</i> (Alg 3-4 or other post-3/4)
Science	Science	<i>Science</i>	Elective/Elective
Physical Education	Physical Education	CTE/Arts/ Humanities	Elective/Elective
Elective/Elective	Elective/Elective	Elective/Elective	Elective/Elective

Washoe County School District

High School Schedule Examples **with Gateway Curriculum**

Career/Tech Enthusiast (4 full-year site CTE classes including 2-3 advanced plus 4 semester electives. NOTE: Full-time RTI students have seven classes per day, including 4 academic and 3 in the Career and Technical Education areas.)

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English 1-2	English 3-4	English 5-6	English 7-8
Health/Computers	Social Studies (World Hist/Geography)	Social Studies (US History)	Social Studies (Government)
Math (Alg 1-2 or Alg 1A/1B)	Math (Geom or Alg 2A/2B)	Math (Alg 3-4 or Geom)	<i>Math</i> (Alg 3-4 or other post-3/4)
Science	Science	<i>Science</i>	CTE/Arts/ Humanities
Physical Education	Physical Education	CTE Advanced	CTE Advanced
CTE Intro (2 sem)	CTE Intro or Advanced	Elective/Elective	Elective/Elective

Washoe County School District

High School Schedule Examples **with Gateway Curriculum**

Fine Arts Enthusiast (4 years fine arts (e.g. music, art, drama, foreign language, etc.) including 2 year-long advanced, + 4 semester electives + CTE/Arts/Humanities or 7 full-year fine arts classes)

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English 1-2	English 3-4	English 5-6	English 7-8
Health/Computers	Social Studies (World Hist/Geography)	Social Studies (US History)	Social Studies (Government)
Math (Alg 1-2 or Alg 1A/1B)	Math (Geom or Alg 2A/2B)	Math (Alg 3-4 or Geom)	<i>Math</i> (Alg 3-4 or other post-3/4)
Science	Science	<i>Science</i>	CTE/Arts/ Humanities
Physical Education	Physical Education	Fine Arts Adv (Elective)	Fine Arts Adv (Elective)
Fine Arts (Electives)	Fine Arts (Electives)	Elective/Elective	Elective/Elective

Washoe County School District

High School Schedule Examples **with Gateway Curriculum**

ROTC Enthusiast (4 years ROTC + 9 semester electives + CTE/Arts/Humanities)

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English 1-2	English 3-4	English 5-6	English 7-8
Elective/Computers	Social Studies (World Hist/Geography)	Social Studies (US History)	Social Studies (Government)
Math (Alg 1-2 or Alg 1A/1B)	Math (Geom or Alg 2A/2B)	Math (Alg 3-4 or Geom)	<i>Math</i> (Alg 3-4 or other post-3/4)
Science	Science	<i>Science</i>	ROTC (Elective)
ROTC (PE)	ROTC (PE)	ROTC (Health/Elective)	CTE/Arts/ Humanities
Elective/Elective	Elective/Elective	Elective/Elective	Elective/Elective

Washoe County School District

High School Schedule Examples with Gateway Curriculum

Classes to support a struggling student. Repeats 3 failed classes, takes 3 electives + CTE/Art/Humanities *Gateway Curriculum additions shown in italics.* (Some courses may be taken in a different sequence)

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
English 1-2	English 3-4	English 5-6	English 7-8
Health/Computers	Social Studies (World Hist/Geography)	Social Studies (US History)	Social Studies (Government)
Math (Alg 1-2 or Alg 1A/1B)	Math (Geom or Alg 2A/2B)	Math (Alg 3-4 or Geom)	<i>Math</i> (Alg 3-4 or other post-3/4)
Science	Science	<i>Science</i>	Phys. Ed.
CTE/Arts/Humanities	Physical Education	Repeat failed class (Elective)	Repeat failed class
Elective/Elective	Repeat failed class/Elective	Elective/Elective	Elective/Elective

Can a student choose not to participate?

- Students can choose to opt out with parent, counselor, and administrator approval.
- An “opt out” process is under development.

Why did the WCSD do this?



Initial Inspiration

- Education Trust
 - High Expectations for All Students
- American Diploma Project
 - High-level English and Algebra 3-4
Expectation for Both College & the
Workplace
- Washoe K-16 Data Profile
 - Complete profile available at e-collaborative.org

Ed Trust's research shows that to have any chance of success in the world of work or in post-secondary education, high school students must regularly engage in rigorous, intellectually challenging work.

Needs of the workplace and post-secondary education have now converged.

All students need post-secondary education and a job.

- American Diploma Project showed that well-paying jobs and post-secondary ed both require:
 - The math content of Algebra 1-2, Geometry, Algebra 3-4, & data analysis & statistics
 - Strong oral & written communications skills
 - Analytic & research skills

Too many students are currently under-prepared for success in the workplace or in post-secondary institutions.

- Feedback from local employers
- Results of the American Diploma Project in which WCSD participated
- Report from the UCCSN Task Force on Remedial and Developmental Education

Education Collaborative Data Profile Math Study

- Students need to take Algebra 3-4 AND math in their senior year to reduce the chances of needing remediation at TMCC or UNR.

The Achievement Gap for High Poverty, Minority, or First-Generation College-Going Students MUST Close.

The gap exists at every school:

- in math, science and other course-taking selections;
- in AP enrollment profiles and scores;
- in HSPE scores/pass rates;
- in graduation rates;
- in Honors and Advanced diplomas; and
- in admissions test scores.

According to Ed Trust research

- “The acquisition of both credentials and skills has a greater impact on the earnings of minorities than on whites.”
- “The benefits of good academic preparation accrue across racial and ethnic groups, making education the equalizer in this economy.”

A clear, consistent message from all stakeholders is critical.

- Students
- Teachers
- Counselors
- Administrators
- Parents
- Employers
- Higher Educators
- Policy Makers

Some Districts That Have Adopted Similar Requirements

States

Texas, statewide
Indiana, statewide
Arkansas, statewide

Districts

Los Angeles Unified, CA
San Jose Unified, CA
Pueblo, CO
Boston, MA
Danbury, CT
New Haven, CT
Davies, KY
Fayette, KY
Jessamine, KY
Kenton, KY
Pike, KY

Districts, cont.

Frederick, MD
Hartford, MD
Hattiesburg, MS
Indianola, MS
Audubon, NJ
Gloucester City, NJ
North Bergen, NJ
Union City, NJ
Albuquerque, NM
Bernalillo, NM
Rio Rancho, NM
Ardmore, OK
Durant, OK
Sand Springs, OK
Tulsa, OK

Districts, cont.

Portsmouth, RI
Providence, RI
West Warwick, RI
Westerly, RI
Hawkins County, TN
Kingsport City, TN
Knox County, TN
Sullivan County, TN
Sumner County, TN
Scott County, VA
Bellevue, WA
Kennewick, WA
Tacoma, WA
Tukwila, WA

Endorsements for the Gateway Course of Study:

- The American Civil Liberties Union;
- The Education Collaborative of Washoe County;
- Hispanic Chamber of Commerce of Northern Nevada;
- Nevada Manufacturers Association;
- Reno-Sparks Chamber of Commerce;
- University & Community College System of Nevada;
- The Education Trust; and
- The American Diploma Project.

IMPLEMENTATION TIMELINE

The Gateway Curriculum was adopted for the students entering high school in the fall of 2006, so the changes would be implemented for the Class of 2010.

The additional SCIENCE course would be taken in the 2008-09 school year.

The additional MATH course would be taken in the 2009-10 school year.

<u>TIME PERIOD</u>	<u>ISSUE</u>	<u>WHO WILL BE INVOLVED</u>
Spring 2005	Collect data from existing program	Public Policy, Accountability & Assessment Department of Secondary Education
2005-06	Develop 3rd year science options	WCSD Science teachers and DLs Regional Center for Teaching and Learning
2006-07	Pilot	Business and community leaders Science Advisory Committee
2007-08	Implement	TMCC and UNR
2005-06	Develop 4th year math options	WCSD Math teachers and DLs Regional Center for Teaching and Learning
2006-07	Pilot	Business and community leaders Math Advisory Committee
2007-08	Implement	TMCC and UNR
2005-06	Explore applied math/science options	Math Advisory Committee Science Advisory Committee
2006-07	Pilot	RTI TMCC
2007-08	Implement	Business and community leaders

Implementation Timeline (page 2)

2005-06	Evaluate Science labs (classroom space)	Plant Facilities America's Schoolhouse Council
2007-08	Science Scheduling Options	Curriculum Assistant Principals
Ongoing	Recruitment of math/science teachers	UNR College of Education Human Resources
2005-06 2006-07-08	Plan Professional Development- Teachers Implement PD for Teachers (target Math Support, Algebra 1-2, and new math and science courses)	Regional Center for Teaching and Learning Regional Professional Dev Program
2005-06 2006-07-08	Plan Professional Development – counselors Implement PD for Counselors	Curriculum Assistant Principals Counselor Coordinator SB 404
Ongoing	Evaluate 8th grade CRT scores	Counselors Curriculum Assistant Principals Department Leaders
Begin Summer 2006	Mandatory support for non-proficient 8 th to 9th graders in summer school	Department of Secondary Education SB 404
Ongoing	Continue Math Support - Algebra & Geometry	

Implementation Timeline (page 3)

Begin Spring 2006 during pre-registration	Information to the public	District Communications Office <i>Pinnacle</i> School newspapers Parent newsletters Community groups Area newspapers
Begin Spring 2006 during pre-registration	Communicate with middle school students 8 th Grade Parent meetings	Principals Counselors Teachers in MS Advisory classes
2005-06	Develop "Opt-Out" Procedure & Document	HS Counselors HS Administrators
2006-07	Pilot	Representative from higher ed Representatives from business
2007-08	Implement	Parents Hispanic Liaison
Ongoing	Data collection % students completing Gateway Passing rates of students in Gateway courses % students still in remedial classes at UNR, TMCC Ethnic group disaggregation	
Ongoing	Evaluation Effectiveness of Math Support	

Summary

- WCSD graduates must be nationally and globally competitive.
- This policy has maximum effect with minimal impact.
- Many of our students are already doing this; to close the gap all students should do this.
- Choosing courses is an important decision that requires informed consent by students and parents.

- All graduates must be prepared to enter
 - a well-paying job and
 - post-secondary education.
- This policy is not a change in the graduation requirements.
- If we are serious about improving student achievement, this is the type of innovative policy decision we must make.
- With its approval of Gateway, the Board of Trustees has established what students need to be successful and affirmed that we want the best for all of our students.