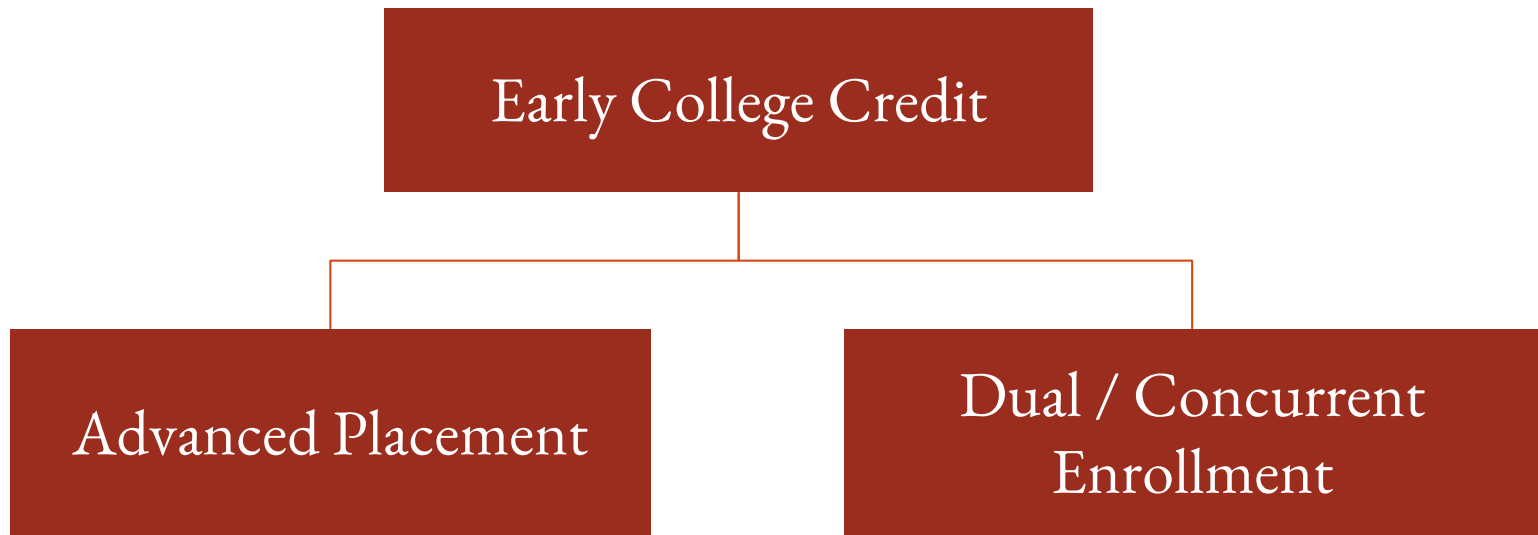


**2019-2020
Dual Enrollment &
Advanced Placement (AP)
Program and Exam Report**

NOVEMBER 7, 2019

SCHOOL BOARD PRESENTATION

Two Pathways to Potential Early College Credit



Advanced Placement Enrollment

All enrolled students take AP examination
(TRSD policy IHCD)

Students receive AP scores on a scale of 1-5

Students earn a qualifying score on AP exam (3 or better)

College credit *may* be awarded based on student AP score and
AP policies of the college / university of matriculation

Dual / Concurrent Enrollment

Students opt in to college credit option

Students complete external application and submit fee to the college or university

Students complete all grade and course requirements set forth by the partnered college or university

College credit is awarded on a college transcript from partnered college or university

TRHS

Dual / Concurrent Enrollment Course Offerings and Enrollment



Dual / Concurrent Enrollment at TRHS

- Project Running Start (Community College System of NH / NHTI) and SNHU in the High School;
- Designated TRHS courses align to the content, rigor, and learning outcomes of NHTI or SNHU courses;
- TRHS teachers meet meet or exceed the hiring qualifications for NHTI or SNHU adjunct faculty;
- Students who opt in to the college credit option, pay fee, and meet NHTI or SNHU requirements, receive:
 - High school credit on TRHS transcript AND
 - College credit on NHTI or SNHU transcript

14 Dual / Concurrent Enrollment Course Offerings at TRHS

SNHU in the High School	NHTI: Project Running Start
AP Chemistry: 8 Credits	Introduction to Engineering Design: 3 Credits
AP Environmental Science: 3 Credits	Principles of Engineering: 3 Credits
AP Physics: 4 Credits	Computer Integrated Manufacturing: 3 Credits
Discrete Math: 3 Credits	Digital Electronics: 3 Credits
Information Technology: 3 Credits	Civil Engineering and Architecture: 3 Credits
Human Relations in Organizations: 3 Credits	AutoCad 2: 3 Credits and / or Industry Certification
College Accounting II: 3 Credits	
Practicing Teaching: 3 Credits	

12 Dual / Concurrent Enrollment Offerings for TRHS Students through Career Technical Education (CTE)

CTE Pinkerton Academy	CTE Salem High School
Electrical Technology II	Automotive Technology 2
	Biomedical Science 2
	Business Law
	Business Management
	Business Principles
	Culinary Arts 2
	Digital Graphics Applications 1
	Digital Graphics Applications 1
	Health Science Technology 2
	Marketing 2
	Television and Media Production 2

TRHS Course Enrollment

SNHU Eligible Courses	2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020
AP Chemistry	19	16	32	21	16
AP Environmental Science	7	11	14	14	9
AP Physics	6	2	4	2	7
Discrete Math	12	5	12	19	8
Information Technology	-	-	19	5	-
Human Relations in Organizations	-	15	18	17	16
College Accounting II	14	11	10	10	11
Practicing Teaching	11	9	7	5	12

TRHS Course Enrollment

Running Start at NHTI Eligible Courses	2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020
Introduction to Engineering Design	26	28	78	48	18
Principles of Engineering	28	14	16	31	11
Computer Integrated Manufacturing	-	5	-	12	12
Digital Electronics	8	2	4	-	6
Civil Engineering and Architecture	9	10	4	12	8
AutoCad 2	10	3	17	10	9

Dual / Concurrent Enrollment Opportunities at other Schools

- TRHS will continue to offer and seek to expand rigorous and diverse Dual Enrollment offerings at a rate that is comparable to other NH schools

Londonderry	33	Timberlane	14
Salem	30 (16 in CTE)	Alvirne	13
Exeter	27 (16 in CTE)	Sanborn	12
Somersworth	25 (20 in CTE)	Hollis-Brookline	8
Concord	24 (13 in CTE)	Winnacunnet	8
Dover	23 (20 in CTE)	Campbell	7
Keene	22 (11 in CTE)	Merrimack	6
Pinkerton	22 (22 in CTE)	Souhegan	3
Goffstown	17	Windham	1
Portsmouth	14 (12 in CTE)	Bedford	0

Dual / Concurrent Enrollment Next Steps

- Investigate additional dual enrollment opportunities through existing courses in English, Social Studies and elective credit courses;
- Meetings between SNHU/ NHTI representatives and TRHS Counseling Department;
- Communication with other community colleges who participate in Project Running Start to explore additional partnerships;
- Timely communications from TRHS to parents of Dual Enrollment eligible students.

Advanced Placement (AP) Course Offerings and Enrollment



Advanced Placement (AP) Courses and Exams

- AP courses and exams are predictive of college success and graduation;
- Scores of 3 or higher are considered qualifying scores;
- All students enrolled in an AP course take the associated exam, paid for by the district, per Policy IHCD: Advanced College Placement;
- All AP courses and teachers go through an annual audit through College Board:
 - Syllabi approval
 - Alignment of learning outcomes, instructional practices, and methods of assessment
 - Training and PD
 - Data Reflection

18 AP Course Offerings

STEM	Humanities
Biology (11-12)	English Language & Composition (11)
Calculus (12)	English Literature (12)
Chemistry (11-12)	European History (11-12)
Computer Science (10-12)	French (12)
Environmental Science (11-12)	Government (12)
Physics 1 (11-12)	Human Geography (12)
Physics 2 (11-12)	Spanish (12)
Statistics (12)	Studio Art (11-12)
	US History (11-12)
	World History (10-12)

AP Enrollment 5-Year Trend

STEM	2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020
Biology	3	15	8	9	12
Calculus	24	20	18	14	15
Chemistry	19	16	32	21	16
Computer Science	6	5	4	6	7
Environmental Science	7	11	14	14	9
Physics 1	14	13	10	13	7
Physics 2	6	2	4	2	7
Statistics	12	25	22	23	11

AP Enrollment 5-Year Trend

Humanities	2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020
English Language & Composition	-	56	40	33	36
English Literature	11	21	26	20	7
European History	3	-	-	3	3
French	3	7	4	3	3
Government	12	9	11	14	15
Human Geography	-	5	14	9	20
Spanish	11	9	13	8	10
Studio Art	4	6	5	6	6
US History	15	13	6	8	8
World History	45	23	31	23	22

AP Enrollment 5 Year Trend

- Students in grades 10-12 are eligible to enroll in AP courses
- As overall enrollment has declined, the % of students enrolled in AP has remained somewhat consistent (15-20%)

Year	Enrollment Grades 10- 12	Total AP Students	% of Eligible School Pop.
2019	842	142	17%
2018	865	165	19%
2017	872	172	20%
2016	946	154	16%
2015	996	153	15%
2014	1036	175	17%

Plans to Expand TRHS AP Enrollment

- Improved communication regarding the promotion of AP courses to eligible students prior to course enrollment;
- Visits to classrooms or advisories by deans, AP teacher, and/or counselors;
- Collaborative planning by departments to develop AP pathways;
- Use of College Board *AP Potential Reports*[®] associated with PSAT results;
- Pre-AP informational meetings by course for interested students;
- Course selection meetings between students and counselors;

2014-2019
TRHS Advanced
Placement (AP)
Scores



AP Scoring System

- Scored on a scale of 1-5;
- Scores of 3 and above are qualifying scores;
- Each college makes its own decisions about what scores will be accepted for credit or advanced placement

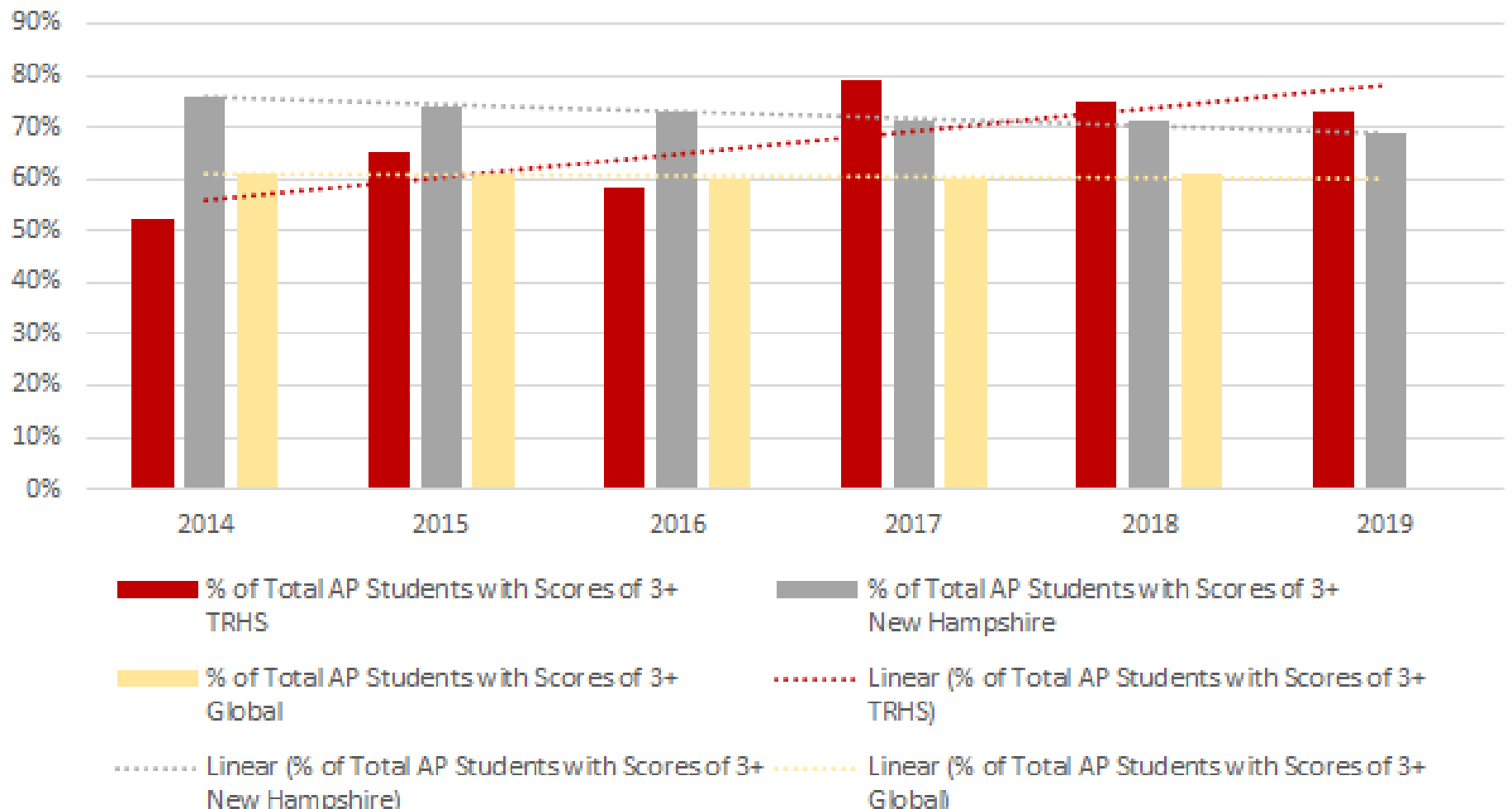
AP Exam Score	Recommendation
5	Extremely well qualified
4	Very well qualified
3	Qualified
2	Possibly qualified
1	No recommendation

2019 TRHS / State / Global Scores

Year	% of Total AP Students with Scores of 3+ <u>TRHS</u>	% of Total AP Students with Scores of 3+ <u>New Hampshire</u>	% of Total AP Students with Scores of 3+ <u>Global</u>
2019	73%	69%	not currently available
2018	75%	71%	61%
2017	79%	71%	60%
2016	58%	73%	60%
2015	65%	74%	61%
2014	52%	76%	61%

2019 TRHS/State/Global Scores

% Students with Scores of 3+



2014 – 2019 TRHS AP Data

Year	Total AP Students	% of Eligible School pop.	% of Students with 3 or better	# of AP Exams	# of AP Exams of 3 or better	% of Exams with 3 or better
2019	142	17%	73%	236	164	69%
2018	165	19%	75%	266	192	72%
2017	172	20%	79%	255	199	78%
2016	154	16%	58%	208	77	37%
2015	153	15%	65%	239	99	41%
2014	175	17%	52%	233	91	39%

2019 AP Subjects/Exams/Scores

Subject areas	# Exams w/ Qualifying Score	% of Tested Students w/Qualifying Score
All Humanities AP Exams	90 out of 130	69%
All STEM AP Exams	74 out of 106	70%

Continuous Improvement Practices

TRHS Admin., Teachers, and School Counselors will continue to...

- Review and analyze AP score reports;
- Use AP instructional planning reports to identify specific areas of attention and growth;
- Participate in ongoing training / professional development

Continuous Improvement Practices

TRHS Admin., Teachers, and School Counselors will continue to...

- Plan for effective AP curriculum, instruction, and assessment practices:
 - Ensure curriculum is aligned to AP standards;
 - Use varied instructional approaches so all students learn at high levels;
 - Use AP released items (test items and grading rubrics) in class with students
- Collaborate to increase student participation in AP course selection and student success

AP Professional Learning Community (PLC)

In 2019-2020, an AP PLC will continue to meet to...

- Share and discuss best practices;
- Review and analyze AP assessment results;
- Discuss areas for increased attention and curriculum focus;
- Use released AP items in course assessments;
- Use testing time ratios;
- Use AP released guidelines for grading of student 'Free Response Questions' & 'Document Based Questions'

AP Final Thoughts

- TRHS will continue to offer rigorous and diverse AP course offerings at a rate that exceeds numerous NH schools

Windham-	20	Winnacunnet-	13
Pinkerton-	19	Alvirne	12
Timberlane-	18	Exeter-	12
Hollis-Brookline-	17	Keene -	12
Merrimack-	16	Dover-	11
Salem-	16	Portsmouth-	10
Goffstown-	14	Bedford -	9
Londonderry-	14	Campbell -	7
Souhegan-	14	Sanborn-	5
Concord-	13	Somersworth-	5

AP Final Thoughts

- TRHS students continue to outperform state and global averages.
- TRHS will continue to require all AP students to take the AP exam.
- TRHS continues to seek ways to increase access to AP courses for all students.