

HEADMASTER UPDATE



BOD Regular Meeting – THU 28 SEP 2023

Growth (BOD Strategic Goal):

Personnel:

- **All Campuses:**
 - **Atty Secured.** Thu 7 SEP 2023 | **Eric Hall** of Sparks Willson on contract for LCS/Bldg Corp | [DETAIL LINK](#).
 - **AAC.** Tue 12 SEP | **Mrs. Jenny Cardenas** appointed.
 - **Eastern University.** Mon 23 OCT 2023 | **Schaffer, Robinson** meeting with rep re: advanced-degree opportunities in classical ed for faculty | [DETAIL LINK](#).
- **Elementary:**
 - **Plato.** Fri 22 SEP 2023 | Mentoring of Aristotle grade-level peers by 1st- , 5th-grade instructors | Ongoing.
 - **Aristotle:**
 - **Evening Custodial.** Mon 18 SEP 2023 | **Ms. LeBlanc** | Rehired.
 - **Meal for Staff.** Tue 19 SEP 2023 | **Hai Nguyen**, [restaurant](#) owner, parent | Prepared/donated.
 - **Social Committee.** Staff events:
 - Fri 29 SEP 2023 | Obstacle Brewing
 - Thu 19 OCT 2023 | Nacho Bar
- **High School:**
 - **AST Para.** Fri 1 SEP 2023 | **Mrs. Nicole Ranstrom** | Hired.
 - **Women's-Basketball Asst Coach.** Wed 13 SEP 2023 | **Paige Barrett** | Hired.
 - **Women's Swim Asst Coach.** Wed 13 SEP 2023 | **Emma Brown** | Hired.
 - **Women's Wrestling Asst Coach.** Fri 15 SEP 2023 | **Gabbie Jones** | Hired.

Enrollment:

- **Elementary:** 24-25 kindergarten | Registrars enrolling kinder siblings | Lottery draw beginning mid-October to fill remaining openings.
 - **Plato. 2023-24 Enrollment** | 609/610
 - Kindergarten 88 | Full
 - 1st Grade 84 | -3
 - 2nd Grade 87 | Full

- 3rd Grade 87 | Full
- 4th Grade 89 | +2
- 5th Grade 87 | Full
- 6th Grade 87 | Full
- 1st-grade lottery exhausted, enrollment ongoing based on lottery registration.
- **Aristotle. 2023-24 Enrollment:** 322/330
 - Kindergarten 74 | -4 Part-time
 - 1st Grade 50 | Full
 - 2nd Grade 52 | Full
 - 3rd Grade 45 | -5
 - 4th Grade 50 | Full
 - 5th Grade 51 | Full
 - 9 students withdrew since Mon 21 AUG 2023.
 - 5 new students have enrolled since Mon 21 AUG 2023.
- **High School. 2023-24 Enrollment | 545/535**
 - 7th 94
 - 8th 93 (+1)
 - 9th 100 (-2)
 - 10th 87 (+1)
 - 11th 93
 - 12th 78
 - **Disenrollment:** 22 AUG 2023 | 40 students disenrolled during summer 2023 (compared with 55 in 2022 | 65 in 2021).
 - **Lottery:** 21 SEP 2023 | Listed, eligible for enrollment:
 - 7th - 32
 - 8th - 40
 - 9th - 10
 - 10th - 8

Expansion:

- **Task Force. Kearney** leading.
 - **Meeting.** Tue 19 SEP 2023 | Success.
 - **Meeting.** Tue 17 OCT 2023 3:45PM | LCHS Washington Hall.

Facilities:

- **Elementary:**
 - **Plato:**
 - **Soccer-Field Maintenance Proposal.** Fri 1 SEP 2023 | Quote received | Ongoing.
 - **Building Security and Access.** Thu 14 SEP 2023 | Keyless-access installation planning | Ongoing.
 - **Elevator Inspection.** Thu 21 SEP 2023 | Success.
 - **Soccer-Field Grass.** Thu 21 SEP 2023 | Maintenance/repairs | Success.
 - **Aristotle:**
 - **Health-Office Cabinets.** Fri 25 AUG 2023 | Installed.
 - **Roof repaired.** Mon 28 AUG 2023 | Leak in Agora.
 - **Elevator Inspection.** Wed 30 AUG 2023 | Success.

- **Health-Room Curtain.** Thu 31 AUG 2023 | Installed.
- **High School:**
 - **HVAC Repair, Boiler Short.** Wed 20 SEP 2023 | Repaired.
 - **Minor Damage, Restroom.** Wed 21 Sep 2023 | Repaired.
 - **HVAC Repair, Acropolis Adjustment.** Thu 21 SEP 2023 | Complete.

Resources (BOD Strategic Goal):

Financial:

- **August 2023 Unaudited Close.** Thu 7 SEP 2023 | Close Complete.
- **CDE Financial-Policies, Procedures Meeting.** Fri 15 SEP 2023 | **Currell** attended | [DETAIL LINK](#).
- **Audit.** Tue 19 SEP 2023 | Trial Balance approved by PSD for data-pipeline submission.
- **FAC Meeting.** Wed 20 SEP 2023 | Success.
- **Seminar.** Thu 21 SEP 2023 | Annual | Hosted by CLCS | **Currell** attended | [DETAIL LINK](#).
- **Conference.** Wed 26 SEP - Thu 27 SEP 2023 | **Currell** attended, [Colorado Assn of School Business Officials](#) | Sessions: Finance In-Depth Coaching, 2023 Financial Condition Review, There's No Such Thing as a Free Lunch.

Fundraising:

- **Night At The Exchange.** Wed 13 SEP 2023 | [INFO LINK](#) | Success.
- **Consultant Visit.** Thu 12 OCT 2023 | American Philanthropic on site.
- **Total Received 23-24.** Thu 31 AUG 2023 | \$207,881
- **In-Kind Gifts Received 23-24.** Thu 31 AUG 2023 | \$13,444
- **Total Pledged 23-24.** Fri 15 SEP 2023 | \$671,511
- **Raise the Torch Received.** Fri 15 SEP 2023 | \$179,857
- **CCSP Grant.**
 - **GAL.** Wed 20 SEP 2023 | Year-two Grant Award Letter received | \$508,000 revenue/spending.
 - **CDE "Equity Convening" Seminar.** Wed 27 SEP 2023 | Denver | **Harkey** attending | Required for CCSP grant | [DETAIL LINK](#).
 - **CSSI Site Visit.** Mon 23 OCT - Wed 25 OCT 2023 | Aristotle campus.
 - **All-Sub-Grantee Call.** Thu 14 SEP 2023 | **Harkey, Currell, Churchill** attended | [DETAIL LINK](#).

Communication (BOD Strategic Goal):

Special Projects.

- **Internal:**
 - **Athletics Microsite.** Mon 11 SEP 2023 | Launched | [DETAIL LINK](#).
 - **Video.** Tue 19 SEP 2023 | Completed | [DETAIL LINK](#).
 - **2023-2024 School Profile.** Tue 19 SEP 2023 | Completed | [DETAIL LINK](#).
- **External:**

- **Promo.** Wed 12 Sep 2023 | “Happening Next” | Night at Exchange | [DETAIL LINK](#).
- **In Print.** Mon 18 SEP 2023 | Festival of Ideas promo in *Coloradoan* and *North Forty News* calendar ad | [DETAIL LINK](#).

Ongoing Tactics:

- **Paid Media.** Mon 18 Sep–Mon 1 Oct 2023 | Festival of Ideas promo | Social-media ad.
- **Earned Media:**
 - **In Print.** Tue 29 AUG 2023 | *US News* | LCHS #2 in Colo | [DETAIL LINK](#).
 - **On Air.** Tue 5 SEP 2023 | KDVR TV | LCHS #2 in Colo | [MEDIA LINK](#).
 - **In Print.** Wed 6 SEP 2023 | *The Coloradoan* | *US News* rating | [MEDIA LINK](#).
 - **Online.** Sat 9 SEP 2023 | *Mile Split USA* | **Isabel Allori** wins Liberty Bell Invitational | [MEDIA LINK](#).
 - **In Print.** Mon 11 SEP 2023 | *The Coloradoan* | **Isabel Allori** | [MEDIA LINK](#).
 - **In Print.** Mon 18 SEP 2023 | *The Coloradoan* | LCHS National Merit finalists | [DETAIL LINK](#).
- **Outreach.**
 - **Liberty On Tap.** Thu 7 SEP 2023 | **Stoltzfus, Robinson, Hoyer** presented | Produced by Parent-Ed Subcommittee | Success.
 - **Patriot-Day.** Mon 11 SEP 2023 | Success.
 - **St. JP II Gala.** Sat 16 SEP 2023 | **Messaros, K. Lovely, T. Lovely, Schaffer** attended | [DETAIL LINK](#).
 - **Public-Info Night.** Mon 25 SEP 2023 | Plato, LCHS.
 - **Classical-Ed Forum.** Tue 26 SEP 2023 | Heritage Foundation | Telecon | Topic: How Classical Ed Can Preserve American Freedoms | **Schaffer** participating | [DETAIL LINK](#).
 - **Public-Info Night.** Tue 3 OCT 2023 | Aristotle.
 - **AMC Mentoring Meeting.** Wed 4 OCT 2023.
 - **Friedman Leadership.** Fri 6 OCT 2023 7:00AM | NOCO charter leaders convene.
 - **Merit Academy.** Tue 10, Wed 11 OCT 2023 | Woodland Park charter delegation visiting, touring | Multi-campus.

Academic:

- **All Campuses:**
 - **Q1 Midterms.** Fri 15 SEP 2023.
 - **Read-Together Challenge.** Mon 18 SEP 2023 | Academic family challenge | Grade-level teams working into literacy units.
 - **Storyteller.** Fri 6 OCT 2023 | **Jim Weiss** consulting faculty/classrooms | [DETAIL LINK](#).
 - **Parent-Teacher Conferences.** Fri 20 OCT 2023.
 - **Standardized-Testing-Data Report.** Thu 21 SEP 2023 | [REPORT LINK](#).
- **Elementary (both):** Wed 6 SEP 2023 | Standardized-Test- Data Analysis | All grade-level teams analyze last year’s NWEA, CMAS, Aimsweb (K-3 reading).
- **Plato:**
 - **READ Act Assessments and Data Collection.** Fri 8 SEP 2023 | Complete.
 - **AST Referrals.** Fri 15 SEP 2023 | K-3 early literacy and new student expedited referrals received | Services underway.

- **Classroom-Based Intervention.** Based on fall standardized benchmark data (NWEA, Aimsweb) and academic performance, classroom-based interventions during ELO are underway | Ongoing.
- **AST Caseload.** 77 students | 12.5% of population.
 - 9 - Individualized Education Plans (IEP)
 - 1 - English Language Development Plans (ELD)
 - 18 - Section 504 Plans (504)
 - 4 - Read Act Plans (READ)
- **Aristotle:**
 - **Guest.** Mon 18 SEP 2023 | CSU punter **Paddy Turner** met with 4th- , 5th-grade students.
 - **AST.** Mon 18 SEP 2023) | AST compiling NWEA data ensuring appropriate student help.
 - **ECEA.** Mon 18 SEP 2023 | Data reviewed, meetings held re: students qualifying.
 - **AST Caseload.** 55 students | 17% of population.
 - 15 w/ IEP.
 - 4 ELD plans.
 - 3 504 plans.
- **High School:**
 - **Senior-Parent Meeting.** Mon 18 SEP 2023 | Success.
 - **ASCENT Program.** Mon 18 SEP 2023 | Opportunity for LCHS students to complete one tuition-free year of college while remaining on LCHS roster.
 - Funded by the College Opportunity Fund.
 - Agreement with Front Range Community College and Aims Community College.
 - **Fall NWEA Testing.** Mon 18 SEP 2023 | Success.
 - **National Merit Commended Scholars.** Mon 18 SEP 2023 | **Isabell Allori, Vaughn Anderson, Cassandra Bassett, Andrew DuToit, Amelia Harkey, Patrick Kearney, and Hannah Skalicky** recognized based upon the 2022 National Merit Scholar Qualifying Test.
 - **National Merit Semifinalist.** Mon 18 SEP 2023 | **Cooper Beck, Julian Thompson-Cox, and Patrick Wrona** recognized based upon the 2022 National Merit Scholar Qualifying Test.
 - **Classical Learning Test.** Tue 3 OCT 2023 | Administration of CLT10 for all sophomores.
 - **PSAT/NMSQT Test.** Tue 3 OCT 2023 | Administration for all juniors.

Safety/Security:

- **Fire Inspection.** Tue 5 SEP 2023 | Complete | Extinguisher hydrostatic testing | Upcoming.
- **Unannounced Drill.** Mon 18 SEP 2023 | Aristotle campus | Success.
- **Team Meeting.** Thu 21 SEP 2023 | Discussions on trainings | Upcoming: More Stop-the-Bleed, campus walkthroughs, self-defense | Staff training | Ongoing.

Athletics/Co-Curricular:

- **Golf-Season Finished.** Tue 19 SEP 2023 | Two qualified for state.
- **Online-Ticketing.** Wed 13 SEP 2023 | Athletics, House system, and Order system using new platform.

Student Life:

- **All-School:** Sat 16 SEP 2023 | Liberty-2-Liberty | Success.
- **Elementary:**
 - **Both:**
 - **Respect Assemblies.** Mon 25 SEP 2023 | Presenters: (Aristotle) **Mrs. Kathy Churchill** [Casey's mother]/(Plato) **Schaffer.**
 - **Individual Student Photos.** Fri 29 SEP 2023.
 - **Drug, Alcohol Ed.** Mon 2 OCT 2023.
 - **Talent Show.** Fri 13 OCT 2023 | 6:30PM | The Agora – Plato | Circus Maximus – Aristotle
 - **Plato:**
 - **Student-Council Elections.** Fri 15 SEP 2023 | Success.
 - **6th-Grade Spartan Week.** Wed 20 - Fri 22 SEP 2023 | Success.
 - **Fall Festival.** Fri 29 SEP 2023 5:30PM.
 - **Discipline Update.** Total: 13 | 4 - hitting, 8 - disrespectful behavior, 1 - inappropriate behavior.
 - **Aristotle**
 - **Student-Council Elections.** Fri 15 SEP 2023 | 5th-grade reps named:
 - **Bradley's class reps: Jameson Garnier, Everly Olander, Adler Webb.**
 - **Grove's class reps: Wes Wagner, Maci Constantino, Cambree Roy.**
 - **Fall Festival.** Fri 22 SEP 2023 | Success.
 - **Discipline Update.** As of Mon 18 SEP 2023 | 1 - inappropriate speaking/drawing.
- **High-School:**
 - **Junior-High Lyceum.** Wed 30 AUG 2023 | Success.
 - **High-School Lyceum.** Thu 31 AUG 2023 | Success.
 - **Junior-High Camp Camelot Fall Dance.** Fri 8 SEP 2023 | Success.
 - **All-School Character-Ed Lyceum.** Wed 13 SEP 2023 | Success.
 - **Key Club Car Wash.** Sat 16 SEP 2023 | Success.
 - **Witherspoon JH Honor Society.** Tue 19 SEP 2023 | Induction Ceremony | Success.
 - **AST Organization Day.** Tue 26 SEP 2023 6:00PM.
 - **Junior-High Lyceum.** Wed 27 SEP 2023 2:15PM.
 - **High-School Lyceum.** Thu 28 SEP 2023 2:15PM.
 - **Senior Breakfast.** Tue 3 OCT 2023 9:00AM-10:30AM.
 - **Powder Puff, Peach Fuzz.** Fri 6 OCT 2023 3:30PM-6:00PM.
 - **Homecoming Pep Rally.** Thu 12 OCT 2023 2:15PM.
 - **Junior-High Sports Night.** Fri 13 OCT 2023 6:30PM-8:30PM.
 - **Homecoming Dance.** Sat 14 OCT 2023 7:00PM-9:30PM.
 - **Fall-Instrumental Concert.** Mon 16 OCT 2023 6:30PM-8:00PM.
 - **Fall-Choral Concert.** Wed 18 OCT 2023 6:30PM-8:00PM.
 - **Parent/Teacher Conferences.** Fri 20 OCT 2023 9:00-6:00PM.
- **Discipline Update.** Totals to date:

- Tardy: 181
- Dress Code: 58
- Skiving: 6
- Gum: 22
- **Discipline Case.** Three junior-high students sent potentially threatening and disrespectful emails to a teacher at another academic institution during school hours via their student-email addresses | Offenders served Capstone-research days, wrote apology letters, completed Capstone-research project.
- **Discipline Case.** A high-school student cheated on AP Art History exam using a phone to look up answers while taking the test | Offender received zero on exam, wrote apology letters, assigned detentions, completed Capstone-research project.
- **Discipline Case.** A high-school student left school without parental permission out of a side door during school hours | Offender served one in-school-suspension day.
- **Discipline Case.** A high-school student cheated on algebra homework | Offender received zero on exam, wrote apology letters, assigned detentions, completed Capstone-research project.

Operations:

- **Insurance.** Fri 8 SEP 2023 | Broker going to market for bids | Renewal Jan 2024.
- **State Student Count.** Mon 25 SEP - 9 OCT 2023 | Mon 2 OCT 2023, official count.
- **Leased Space.** Sun 10 SEP 2023 | Pursuit Church's lease (LCHS Great Hall) expired.
- **Bank Signers.** Mon 11 Sept 2023 | Independent Bank paperwork to be distributed to updated signers.
- **GPD Committee.** Mon 25 SEP 2023 | First planning meeting for 2023 event.
- **Transportation.** Tue 26 SEP 2023 | Titles for 2 new mini-buses received.
- **Information Technology.**
 - **Canon Printers.** Thu 7 SEP 2023 | Printers installed and configured | High-school equipment returned | Plato contract awaiting termination, buyout.
 - **Staff Computers.** Mon 11 SEP 2023 | 33 delivered | Imaging and staff signup for migration to be completed by Fri 22 SEP 2023.
 - **Scale Computing Servers.** Fri 15 SEP 2023 | Final quote received | Purchase request with CCSP grant funds to be submitted by Fri 22 SEP 2023.
- **Health.**
 - **School-Nurse Professional Development Grant (CDE).** Tue 19 SEP 2023 | Applying for additional opportunities.
 - **Health-Tech, RN Meeting.** Wed 20 SEP 2023 | Prep for immunization deadlines, vision/hearing screenings | One-hour PSD health-tech meetings | Success.
 - **RN License.** Fri 1 SEP 2023 | **Mrs. Dybzinski** renewed licensure and supervision of school medical | Success.
 - **Immunizations.** Mon 2 OCT 2023 | Formal notification letter issued.
 - **CPR/First-Aid Training:** Tue 10 Oct 2023 | 16 employees.
 - **Immunizations.** Fri 13 OCT 2023 | Notice of exclusion letter.

Political/Policy/Compliance:

- **PSD.**

- **Incoming Director Named.** Fri 1 SEP 2023 | Incumbent Director **DJ Anderson** missed reelection-filing deadline | Challenger **Scott Schoenbaur** unopposed in District A | [DETAIL LINK](#).
- **Leader Meeting.** Tue 19 SEP 2023 | **Hunt, Schaffer, Albright** met w/ PSD Board leader | Success.
- **Candidate Forum.** Tue 3 OCT 2023 6:30PM | LCHS Great Hall | Student-led.
- **Charter Meeting.** Fri 6 OCT 2023 | Convened by **Sup. Kingsley** | Leaders of all PSD-authorized charters | **Stoltzfus, Churchill, Robinson, Schaffer** attending.
- **State.**
 - **Legislator Tour.** Tue 12 SEP 2023 | **State Rep. Boesenecker, Sen. Joann Ginal** | Plato campus.
 - **Legislator Tour.** Wed 14 SEP 2023 | **State Sen. Barbara Kirkmeyer, Reps. Ron Weinberg, Ryan Armagost,** and [Brenda Dickhoner, Jonathan Finer](#) of [Ready Colorado](#) | Aristotle campus.
 - **NOCO Chambers.** Fri 15 SEP 2023 | Legislative panel re: Ref. HH | **Schaffer** attended | [DETAIL LINK](#).
 - **CSI Tour.** Fri 15 SEP 2023 | **Dr. Terry Croy Lewis,** [Colorado Charter School Institute](#) ED | LCHS.
 - **State Board/CDE Tour.** Mon 18 SEP 2023 | [Dr. Susana Cordova](#), Colorado Commissioner of Ed | State Board Members [Dr. Angelika Schroeder,](#) [Kathy Plomer](#) | Plato, LCHS campuses.
 - **CDE “Equity Convening.”** Wed 27 SEP 2023 | Denver | **Harkey** attending | Required for CCSP grant | [DETAIL LINK](#).
 - **Tour.** Mon 2 OCT 2023 | **State Rep. Cathy Kipp** | Aristotle Campus.
- **CAC.**
 - **Membership.** Mon 18 SEP 2023 | All renewals, new-member invoices sent.
 - **Legislative-Planning Meeting.** Tue 10 OCT 2023 | State Capitol | **Rep. Mike Lynch, Sen. Paul Lundeen, Lobbyist William Mutch, Hunt, Schaffer.**
- **CLCS.** Mon 9 OCT 2023 | League’s “Leadership Summit 2023” | **Kearney, Schaffer, Churchill** attending | [DETAIL LINK](#).
- **National.** Wed 27 SEP 2023 | [AEI’s CERN](#) Annual Summit | Telecon | **Churchill, Schaffer** (other admin) participating | [DETAIL LINK](#).

END OF REPORT

**LIBERTY COMMON SCHOOL
ACADEMIC ADVISORY COMMITTEE MEETING**

September 12, 2023

6:00PM

Liberty Common Elementary School, Plato Campus
1725 Sharp Point Drive Fort Collins, CO

Zoom: <https://libertycommon.zoom.us/j/88365282996>

ATTENDANCE (X) Present (R) Remote

	Voting Membership		Administration		Visitors (Faculty & Parent)
	Randy Everett	x	Bob Schaffer	x	Angie Shoemaker
x	Ruth Ann Everett		Sarah Hunt	x	Torgun Lovely
x	Maureen Schaffer	x	Kathleen Kearney	x	Elise Harkey
x	David Van Maren	x	Robert Robinson		
x	Laurel Van Maren	x	Casey Churchill		
x	Kelly Krapes	x	Sandy Stoltzfus		
x	Nancy Hoyer	x	Jenna Allen		
x	Jenny Cardenas	x	Chris Reynolds		
	Lander Hultin				
x	Kay Lannen (Secretary)				
x	Elizabeth Barber (Chair)				

CALL TO ORDER: 6:03 pm

- Approve Agenda – Approved unanimously

ROUTINE BUSINESS

- Approve AAC Meeting Minutes – May 10, 2023
 - Minutes edited to change adjourn time to 7:40 pm.
 - No objections. Minutes approved with change.
- 2023-24 AAC Voting Membership Recommendation to BOD – Vote

- Jenny Cardenas - New teacher representative member (welcome!)
- Laurel moved to approve the AAC Membership Roster, Nancy seconded.
- The motion was approved unanimously.
- 2023-24 AAC Officer Elections – VOTE POSTPONED UNTIL AFTER BOD CONFIRMATION OF VOTING MEMBERSHIP
- 2023-24 AAC Calendar Review
 - The calendar was approved by everyone present. Sandy will send out a Google Calendar invitation for the meetings.
- AAC Google Shared Drive Access

SUBCOMMITTEE REPORTS

- Literacy Subcommittee (replacement for *Open Court Reading*) – Casey Churchill
 - The committee met on August 30, 2023. The meeting minutes were distributed.
 - The K-2 teachers, led by Cherie Pedersen and Amy Tamez, are documenting their curated selection of literature and other reading skills resources which, combined, are superior to all alternatives on the market.

NEW BUSINESS

- Kelly moved to adopt Robert's Rules of Order Simplified for AAC meetings. Laurel seconded. The motion passed unanimously.

OLD BUSINESS

- 7.14 Literature Acquisition – Discussion (process only)
 - Jenna notes the value of regular AAC policy review as a means of developing and sharpening committee members' philosophical alignment.
 - Elizabeth will assign a policy for reading in its entirety in advance of each meeting.

- The AAC may set a time limit for policy discussion at particular meetings. More policy discussion may occur at meetings for which the agenda is lighter.
- Homework for October meeting: Read 7.14 Literature Acquisition policy and make comments in the document.
- Fine Arts Proposal – Discussion (process only)
 - David moved to make the same recommendation of the Fine Arts proposal to the BOD, accompanied by a rationale for the proposal and a clarification of the reasons for the decision. Ruth Ann seconded. The motion passed.
 - Maureen will help develop the rationale and clarification of the AAC's decision. Elizabeth will contact the BOD members and ask them to email Maureen with their questions, concerns, and suggestions.

SUBCOMMITTEE REPORTS

- Latin Subcommittee (upper-level Latin curricula scope & sequence) – Robert Robinson
 - The subcommittee plans to have updated curricula scope & sequence documents ready for AAC review by spring 2024. The goal is to document specifics at each level (Latin 4, Latin 5, AP Latin).

NEW BUSINESS

- Sandy had a question on the AAC video-approval process. She will discuss the specifics with Bob.

ADJOURN: 7:47 pm

Next Meeting: Wednesday, Oct 11, 2023 at 5:30pm



LCS BOD MEETING AGENDA ITEM COVER SHEET

Agenda Item:	Academic Advisory Committee 2023/24 Voting Membership
Purpose:	Annual BOD Vote to Approve AAC Voting Members
Submitted by:	Elizabeth Barber, on behalf of the AAC

BACKGROUND

- *LCS Policies Manual* states:

2.16. Academic Advisory Committee

The Academic Advisory Committee (AAC) is established as a standing committee to advise the Board of Directors (BOD) on matters of curriculum and the school's academic program. The AAC shall conduct itself at all times so as to fulfill the requirements of federal and state laws, rules, and regulations; the charter application and contract; school policies; and applicable Poudre School District policies.

PURPOSE

The purpose of the AAC is to assist the BOD in maintaining the original vision of Liberty Common School as set forth by the founders of the school. No curricular changes will be made without review from the AAC, however per Liberty Common School's charter, the BOD has final responsibility for all curriculum decisions.

MEMBERSHIP

1. Voting members of the AAC will be annually appointed and removed by a vote of the BOD. Members will be individuals who have demonstrated understanding and support of the school's philosophy and vision as determined by the Board of Directors. The AAC will annually submit its recommendations for membership to the BOD.
2. Representatives:
 - Teachers: Teachers provide input into the recommendation for curriculum decisions and guidance on the implementation of any new or modified curriculum. AAC voting membership to include:
 - 2 voting representatives from the elementary school
 - 2 voting representatives from the middle/high school

- Parents: Parents should offer content expertise in at least one content area and provide student/family life perspective on academic issues. The BOD should attempt to balance the content expertise of the AAC members such that all academic content areas are represented.
 - 5 or more voting representatives - founding parents if possible, else other parents who have demonstrated support for the school's philosophy and whose children have attended Liberty for multiple years
 - BOD Member:
 - 1 voting representative from the Board of Directors to serve as a liaison between the board and the AAC
3. Officer positions may be held by any representative on the AAC and will be annually approved by a vote of the AAC:
 - 1 Chairperson
 - 1 Secretary
 4. Non-Voting Observers: Additional parents and teachers who desire to work with the AAC on specific curriculum issues in accordance to their interest and expertise are welcome to attend regular meetings of the AAC. The AAC may choose to mentor these individuals as a potential means to develop future candidates for the AAC and/or the BOD.
 - Non-voting observers should not participate in AAC meetings unless invited by the Chair to speak.
 - Attendance at AAC meetings as a non-voting observer does not guarantee future appointment to the AAC.

RESPONSIBILITIES

1. The AAC will review and evaluate potential changes to the curriculum as directed by the BOD, and report back to the BOD with its evaluation results and recommendations. This includes but is not limited to:
 - a. the addition or removal of any course or curriculum component
 - b. new textbooks and academic programs
2. The AAC may propose new curricula, curriculum components, textbooks, academic programs, policies, and policy changes to the BOD.
3. At the direction of the BOD, AAC members may mentor and assist teachers in the implementation of curriculum or curriculum changes.

Adopted: 8-8-2002

Amended: 12-16-2004

Amended: 12-20-2018

Amended: 3-30-2023

- The AAC formally recommends the following roster for 2023/24 AAC voting membership:
 - Teachers
 - **NEW: Jenny Cardenas (Elementary – Plato)**
 - Nancy Hoyer (Elementary – Aristotle)
 - Lander Hultin (Middle/High)
 - Kay Lannen (Middle/High)
 - Parents
 - Randy Everett (Founder)
 - Ruth Ann Everett (Founder)
 - Maureen Schaffer (Founder)
 - David Van Maren (Founder)
 - Laurel Van Maren (Founder)
 - Kelly Krapes (Parent)
 - BOD Representative – Elizabeth Barber (Parent)

NEW: Sandy Stoltzfus recommends Jenny Cardenas, 5th-grade teacher at Plato Campus, for voting membership on the AAC. Ms. Cardenas replaces Jeff Siener who stepped down from the AAC due to his upcoming retirement.

RECOMMENDATION

The AAC recommends the board vote to approve the voting membership of the 2023/24 Academic Advisory Committee as submitted.

**LIBERTY COMMON SCHOOL
BOARD OF DIRECTORS MEETING
BUSINESS MEETING**

August 31, 2023

MINUTES

Liberty Common School- Aristotle Campus
2130 West Horsetooth Drive Fort Collins, CO

Board members in attendance:

X	Todd Arndorfer
X	Elizabeth Barber
X	Patrick Albright
Online	Mark Dollar
X	Cindy Skalicky
Online	Mindy Story
	Vacant

Administration in attendance:

X	Headmaster Bob Schaffer
X	Principal Robert Robinson
X	Principal Casey Churchill
X	Principal Sandy Stoltzfus
X	Assistant Principal Kathleen Kearney
X	Assistant Principal Jenna Allen
X	Assistant Principal Chris Reynolds
	Dean of Students Tiffany Burgess
X	Director of Operations Bev Hanawalt
X	Director of Advancement Brett Harkey
X	Director of Finance Noelle Currell
X	Athletic Director Franklin Russell
X	Director of Policy and Compliance Sarah Hunt
X	Communication Specialist Kallie Cooper
X	Director of Information Technology Sean Lewis

CALL TO ORDER

- Approve agenda 6:00PM
Move to approve agenda: Mr. Arndorfer
Agenda approved with no objections.

STAFF AND COMMUNITY COMMENT – (Two-minute limit per person)

Mrs. Skalicky: Liberty education comes to life during trip to Rome.

ROUTINE BUSINESS

- Approve Minutes – Regular Meeting-June 29, 2023
 Moved: Patrick Albright
 Second: Elizabeth Barber
 No changes.
 Adopted unanimously

NEW BUSINESS

- Meet Potential New Attorney for Liberty – Mr. Schaffer
 Eric Hall

DEPARTMENT REPORTS

- Review of School Safety Team and School Safety Report – Public Portion – Mr. Schaffer

ADMINISTRATION REPORT

- Headmaster Report – Mr. Schaffer

UNFINISHED BUSINESS

- None

NEW BUSINESS - continued

- Assign Board member responsible for 2023-24 Headmaster support and evaluation – Mr. Arndorfer
 Mr. Dollar and Mr. Arndorfer will lead headmaster evaluation.
- Determine training topics for quarterly BOD Education Sessions – Mr. Arndorfer



LCS BOD 2023-2024
BOD Training Cover !

No motion needed, no objections to proposal.

- Assign BOD members for Common Sense Article Contributions – Mr. Arndorfer



23-24 Common
Sense Feature Article

No motion needed, no objections to proposal.

- Declare Vacancy for Board of Directors and Next Steps – Ms. Skalicky

Motion: Move to declare a board membership vacancy with a term that expires June 2026.

Moved: Ms. Skalicky

Second: Mr. Arndorfer

Vote type: Roll call

Result:

Y	Todd Arndorfer
---	----------------

Y	Elizabeth Barber
Y	Patrick Albright
Y	Mark Dollar
Y	Cindy Skalicky
Y	Mindy Story

RESULT: PASS 6-0

- Charter Advocacy Coalition Membership-Vote-Mr. Albright

Motion: Move to renew Liberty Common School’s membership in the Charter Advocacy Coalition for the 2023-2024 school year.

Moved: Mr. Albright

Second: Ms. Skalicky

Vote type: Roll call

Result:

Y	Todd Arndorfer
Y	Elizabeth Barber
Y	Patrick Albright
Y	Mark Dollar
Y	Cindy Skalicky
Y	Mindy Story

RESULT: PASS 6-0

SUB-COMMITTEE REPORTS

- Security Committee - Mr. Dollar
- Academic Advisory Committee – Ms. Barber
- Advancement Committee – Ms. Skalicky
- FAC Committee - Mr. Dollar
- Policy Committee - Mr. Albright
- Governance Committee – Mr. Arndorfer
- Parent Education Committee - Ms. Story
- Building Corporation Liaison – None
- Expansion Committee - Mr. Arndorfer

TOP THREE ITEMS FOR COMMON SENSE NEWSLETTER - Ms. Skalicky

Board members are going to be more present at events, increase communication with parents
 Sentence from each board member about what we appreciate about service on the board
 Mention website as part of strategic plan

EXECUTIVE SESSION

School Safety Team and Discussion per CRS 24-6-402(4)(f)(I)

Motion: Move to enter executive session

Moved: Mr. Arndorfer

Second: Mrs. Barber

Y	Todd Arndorfer
Y	Elizabeth Barber
Y	Patrick Albright
Y	Mark Dollar
Y	Cindy Skalicky
Y	Mindy Story

RESULT: PASS 6-0

Entered: 7:59PM

Exited: 8:11PM

ADJOURN

Adjourned: 8:11PM

Advancement Committee Meeting – Thu 21 SEP 2023

Time: 4:00 p.m.

Location: Plato Campus, Refectarium

Attendees: Cindy Skalicky, Todd Arndorfer, Brett Harkey

1. Standard Business (see attached slideshow)

- a. 23-24 Fundraising Summary
- b. Raise the Torch Report
 - Feasibility Study Final Report will be presented by AmPhil on October 12
 - Discussed AmPhil campaign management proposal for ongoing assistance as we move into the execution of our capital campaign. Mr. Harkey is evaluating the proposal and will be in dialogue with AmPhil about some options.
- c. Grants Report
 - CCSP
 - Grant Award Letter received
 - Spending for Year 2 underway
 - SSD
 - Spending underway
 - BEST
 - Awaiting publication of 24-25 grant cycle
 - Application will commence December 2023
 - Will apply for funds to support construction & renovation of Junior High
- d. Events Report
 - The Exchange, Wed 13 SEP 2023 | Success. Images [HERE](#).

2. New Business

- a. Professional Development Book: *Forgotten Foundations of Fundraising* (Beer/Cain)
 - Mr. Harkey shared a few items from this book:
 - Fundraising shouldn't be complicated. If you do 2 things well, you'll raise ample funds:
 - a. Find new donors
 - b. Cultivate the donors you have, moving them up the giving ladder
 - Our playbook should primarily consist of:
 - a. Direct mail (and email)
 - b. Meetings
 - c. Foundation Grants
 - The committee will begin reading this book, 1 chapter per month.
 - GOAL: Clarity and focus for our Advancement efforts
- b. Departmental strategy discussion, continued from last month...
 - Activities:
 - Direct appeals (mail, email, crowdfunding, etc.)
 - Grants
 - Events
 - New: Major Donor meetings
 - New: Giving Societies
 - a. e.g. Join the "1997 society" by donating \$1,997 each year and receive x, y, z perks
 - b. e.g. Join the "Young Alumni Society" by donating \$50 each year
 - c. Provides a mechanism for consistent giving levels year-over-year
 - d. Provides a mechanism for upgrading donors who are ready to give more

- e. Etc.
- New: Planned Giving
 - a. Cultivate a program for those who might consider leaving a part of their estate to Liberty Common School.
- Designations
 - Capital Giving (Raise the Torch)
 - Scholarship Funds (Mariya Garland, Ezra Black, etc)
 - Student Groups (teams, clubs, etc.)
 - Grant designations
 - New (Re-purposed General Fund): Annual Fund (name: The Liberty Fund?)
 - a. Annual: Implies every year.
 - b. Goal: Help donors build the habit of giving every year to the school.
 - c. Goal: Establish a mechanism to upgrade donors who are ready to give more.
 - d. Goal: Generate funds to be used for any current need as directed by the FAC & BOD.
 - e. Goal: Generate regular yearly income for the school. Over time, we can begin to plan on it.
 - f. Goal: Establish concept that people should give to the school on a regular basis. Not just because we have some extraordinary need or bright, shiny object we'd like to purchase/build.
 - Potential Future: Endowment(s)
 - a. Mr. Harkey is researching and exploring this option
 - b. Example opportunities:
 - i. Establish endowed faculty positions
 - ii. Establish endowed scholarships
 - iii. Establish endowments to support academic department needs (Fine Arts, Engineering, etc.)
 - c. Benefit
 - i. Self-perpetuating funding
 - ii. Potential for planned giving donors to create endowments
- c. Departmental staffing discussion, continued...
- d. Year-End direct appeal plan
 - Mr. Harkey is working with AmPhil to create a strategy for our year-end direct appeal
 - With regards to Raise the Torch, be honest: we are doing planning and strategy work right now. You'll hear much more about this campaign in future months.
 - Appeal: give to the The Liberty Fund (annual fund).
 - Reveal Giving Societies (no more than 2) and encourage people to consider membership (see above)
- e. Policy Revisions
 - Mr. Harkey is working on cleaning up and revising our policies as found in the BOD Policy Manual. Draft will be reviewed at an upcoming committee meeting.

3. BOD Report – 3 things the BOD needs to know:

- a. Feasibility Study update
- b. Staffing needs
- c. End of Year Letter update

4. Next Meeting Date: Thu 5 OCT 2023.

5. Next Meeting Agenda Items:

- a.



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Advancement Committee

Standard Business

Brett Harkey—Director of Advancement

September 21, 2023

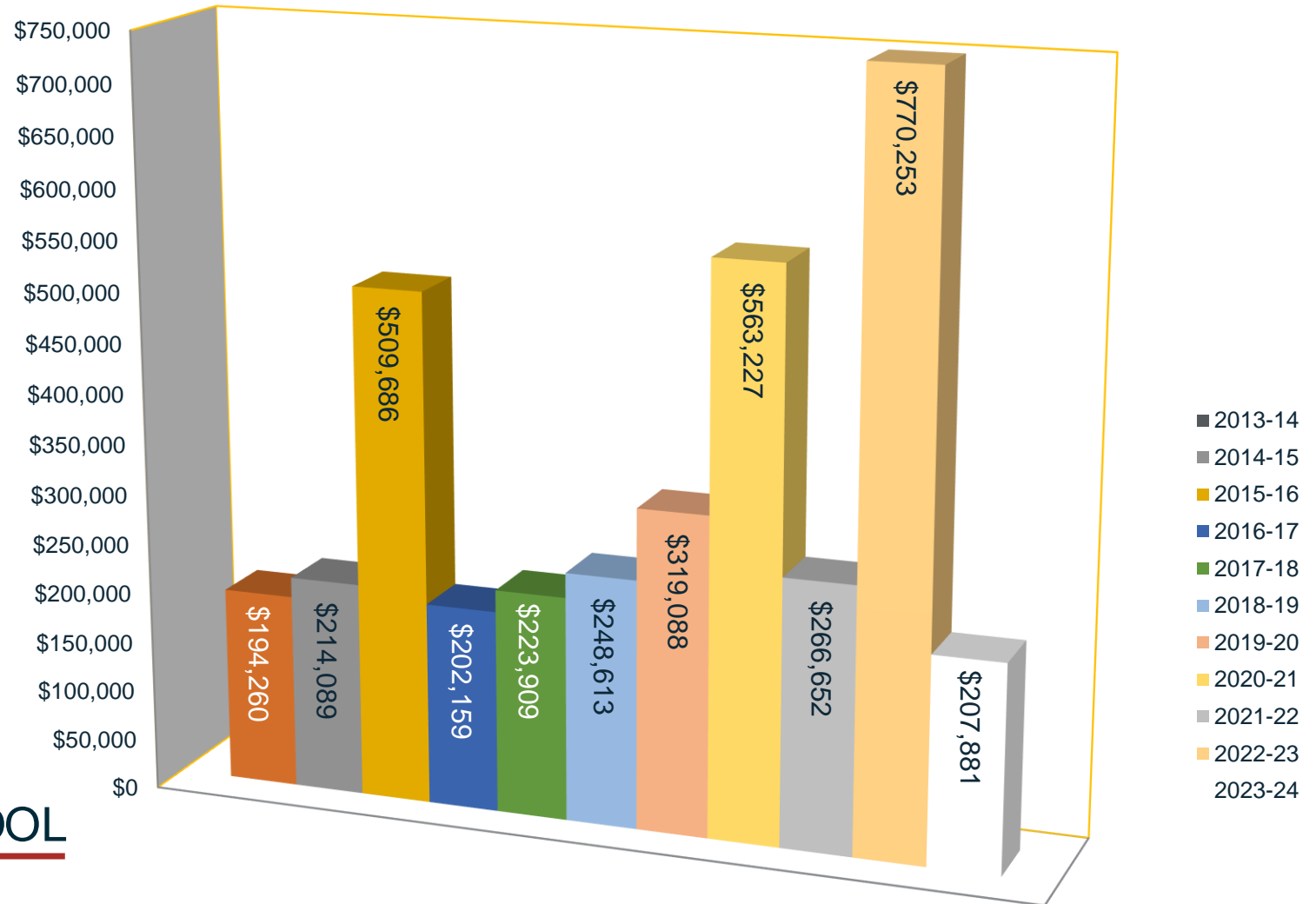
Fundraising Summary (23-24)

Description	Amount
Total RECEIVED (as of 8/31/23)	\$207,881
Total RECEIVED to Date (as of 9/15/23)	\$210,181
Total PLEDGED to Date (as of 9/15/23)	\$671,511
In-Kind Gifts (as of 9/15/23)	\$13,444
TOTAL 23-24	\$895,136

LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO

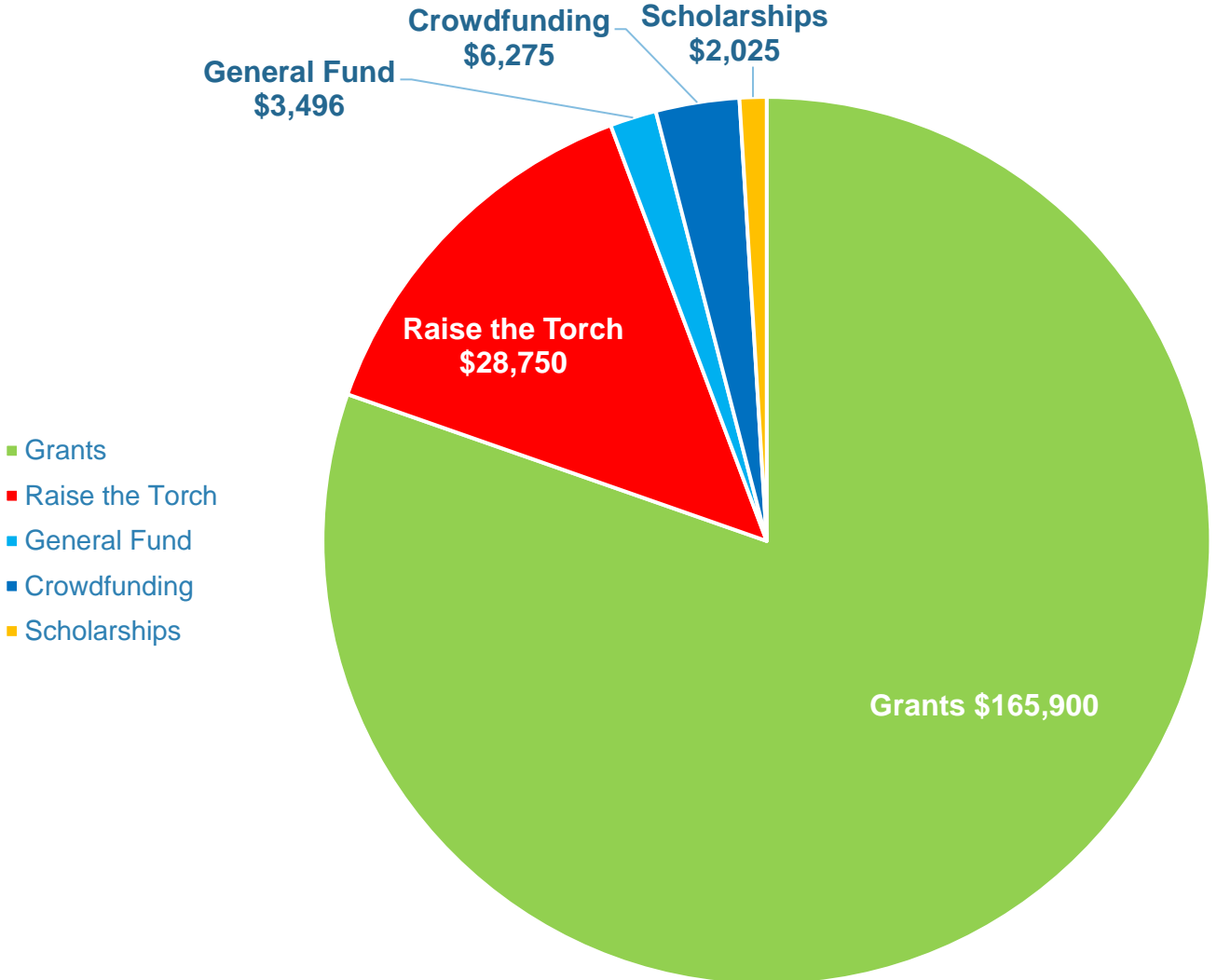
Total Funds Received (through 8/31/23)



LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO

Designation Breakdown (through 8/31/23)



LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO



RAISE THE TORCH

THE CAMPAIGN FOR LIBERTY COMMON SCHOOL

- **Phase 1: Feasibility Study**

- Discovery
 - Organizational history, philosophy, leadership; giving data analysis; project scale & scope, etc.
 - Determination of major stakeholders
- Asset Creation & Distribution
 - Preliminary Case for Support, Introduction letter, Email invitation
- CURRENT: Interviews with major stakeholders
 - Zoom, phone
 - Follow-up invitations ongoing
 - Completed interviews: **16** (goal: **30**)
 - Target date for all interviews: **September 29**
- Final Report
 - Goal: October 12 (during AmPhil visit)

LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO



RAISE THE TORCH

THE CAMPAIGN FOR LIBERTY COMMON SCHOOL

- **Phase 1: Feasibility Study (current)**
- Phase 2: Quiet Phase (Fall 2023)
 - Secure major donor gifts & pledges
- Phase 3: Public Phase (2024)
 - Broad public communication & solicitation
 - Website
 - Events
- Phase 4: Celebration (2026?)

LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO



RAISE THE TORCH

THE CAMPAIGN FOR LIBERTY COMMON SCHOOL

- **Total received (as of 9/15/23): \$179,857**

LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO

Grants Report

- **CCSP**
 - Grant Award Letter received
 - Year 2 spending underway
 - Year 2 training & reporting underway
- **SSD**
 - Spending underway
- **BEST**
 - Awaiting 24-25 grant cycle

LIBERTY COMMON SCHOOL

FORT COLLINS, COLORADO

Liberty Common School @ The Exchange

Success!



LIBERTY COMMON SCHOOL
FORT COLLINS, COLORADO

**LIBERTY COMMON SCHOOL
BOARD OF DIRECTORS MEETING
BUSINESS MEETING**

September 28, 2023

Liberty Common School- Aristotle Campus
2130 West Horsetooth Drive Fort Collins, CO

PLEDGE OF ALLEGIANCE

CALL TO ORDER

- Approve agenda 6:00PM

STAFF AND COMMUNITY COMMENT – (Two-minute limit per person)

ROUTINE BUSINESS

- Approve Minutes – Regular Meeting – August 31, 2023

DEPARTMENT REPORTS

- Engineering and Computer Science Department Report – Ms. Lannen
- Science Department Report – Mr. Stefanovic’

ADMINISTRATION REPORT

- Headmaster Report – Mr. Schaffer

UNFINISHED BUSINESS

- Approve AAC Voting Members 2023-2024 Year – Vote - Ms. Barber
- Filling Vacancy for Board of Directors – Ms. Story

NEW BUSINESS

- Audit Update – Ms. Currell and Mr. Dollar
- Fund 43 Capital Projects Resolution – Vote – Mr. Dollar
- CCSP Year 2 Budget Resolution – Vote – Mr. Dollar
- Review LCS/LCHS 2022-23 Standardized Testing Report (NWEA, SAT, PSAT, AP and CMAS) – Mr. Churchill, Ms. Stoltzfus and Mr. Robinson
- Approve Updated List of School Security Officers – Vote – Mr. Dollar
- Discuss ASCENT program for Liberty – Mr. Schaffer
- Board Committees Present Annual Goals Pursuant to Strategic Plan

SUB-COMMITTEE REPORTS

- Security Committee - Mr. Dollar
- Academic Advisory Committee – Ms. Barber
- Advancement Committee – Ms. Skalicky
- Financial Accountability Committee - Mr. Dollar
- Policy Committee - Mr. Albright
- Governance Committee – Mr. Arndorfer
- Parent Education Committee - Ms. Story
- Building Corporation Liaison – None
- Expansion Committee - Mr. Arndorfer

TOP THREE ITEMS FOR COMMON SENSE NEWSLETTER - Ms. Story

- Due to Ms. Cooper Oct 10

ADJOURN



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Aristotle CCSP Grant Appropriation

Noelle Currell – Director of Finance

September 2023

FY 22-23

- Year 1 Budget: \$378k
- Year 1 Actual: \$331k
- Year 1 Purchases that will flow to Year 2:
 - Lunch Tables (\$26.6k)
 - Teacher work room furniture (\$17.6k)
 - Barnes and Noble Books (\$2k)

Category	Actual Expense
Student Furniture	\$ 167,676
Teacher Furniture	\$ 45,770
Projectors	\$ 35,914
Books	\$ 34,061
Music	\$ 21,453
Whiteboards	\$ 19,674
Classroom Supplies	\$ 6,793
Grand Total	\$ 331,342

FY 23-24

- Year 2 Budget*: \$508k
- GAL Received from State on 9/13/2023
- Resolution to appropriate \$508k of revenue and \$370k of expense into FY23-24 budget
 - Delta between revenue and expense because Tech portion of grant was already appropriated during Adopted budget

*Includes \$46.7k of carry forward from Year 1

Category	Budget
Student Transportation	\$ 115,500
Servers	\$ 86,000
Student Furniture	\$ 43,994
Classroom Supplies	\$ 41,339
Chromebooks	\$ 38,792
Facility Equipment	\$ 25,264
Classroom Furniture	\$ 25,000
Facility Furniture	\$ 23,993
Books	\$ 14,108
CCSI Assesment	\$ 13,420
Teacher Continuing Ed	\$ 10,700
Art	\$ 9,550
Music	\$ 5,000
Facility Improvements	\$ 3,369
Projectors	\$ 3,000
School Character	\$ 2,970
Grand Total	\$ 462,000

LCHS
ENGINEERING &
COMPUTER
SCIENCE
DEPARTMENT
REPORT TO BOD



9/28/2023

Kay Lannen, Math & Engineering Teacher (Department Head)

Dave Kleen, Engineering Teacher

Jim McCormick, Computer Science Teacher

Brian Stefanović, Science & Computer Science Teacher

Sarah Dille, Math & Computer Science Teacher

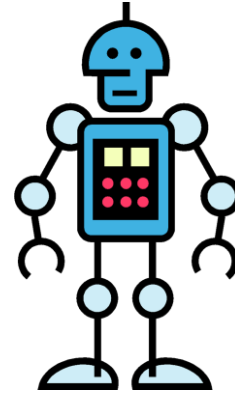
Program Guiding Philosophy

- Liberty Common High School is a tuition-free, public institution that offers a college-preparatory, classical, liberal-arts curriculum accentuating the humanities with a strong emphasis upon **math, science, and engineering**.



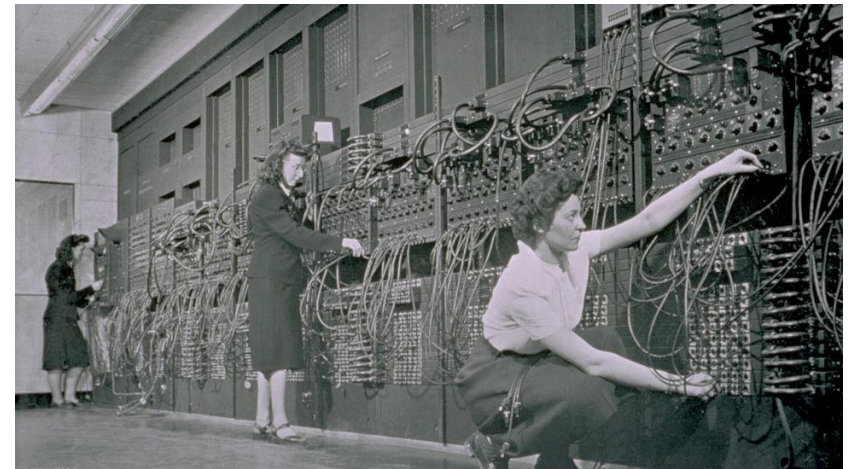
Liberty Common High School Thinking Framework

- Knowledge
- Patterns
- Modeling
- Creativity/Problem Solving



Leibniz Calculating Machine 1673

<https://www.hannover.de/en/Tourism-Culture/Event-Highlights/Specials/Year-of-Leibniz-2016/Leibniz-Calculating-Machine>



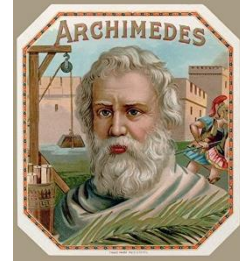
Programming the ENIAC Computer 1945

<https://www.livescience.com/20718-computer-history.html>

Why Engineering and Computer Science at LCHS?

- When LCHS was founded, engineering was included in the charter by the BOD members because of student interest and parent demand for a college preparatory STEM course offering. Although Liberty provides a classical education, the high school was designed to provide a rich offering in STEM classes as a key differentiator from other district, charter and private high schools in northern Colorado.
- The engineering and computer science course offerings allow students to gain knowledge and applied problem solving skills in alignment with the Thinking Framework. They provide valuable insight as to whether engineering or computer science would be a good fit as a potential future field of study and vocation.
- Engineering and computer science classes at Liberty incorporate knowledge from science and math. Connections between the STEM (Science, Technology, Engineering, Mathematics) disciplines provide a richer depth of understanding.

Philosophy on Engineering, Computer Science, and Classical Education



- Quote from our curriculum guide: Liberty Common High School believes all students should be exposed to the fundamentals of engineering and computer science.
- Classical education and STEM education are complementary to each other.
 - We believe we can have excellence in both areas and give our students a well-rounded education.
 - Computer technology is beneficial when employed in moderation with temperance and wisdom.
 - There is wonder, truth, beauty, and goodness in engineering and computer science.
- All students can benefit from engineering and computer science studies because:
 - Engineering and computer science teach creative problem-solving. To do this, students must have background knowledge in science and math. The knowledge and patterns that students have learned in earlier grades are now applied in class to solve problems.
 - Principles of engineering and computer science can be applied to solve many of humanity's greatest problems, including: production of clean water, energy, manufacturing, and production of medical devices and medicines.
 - Capstone virtues will guide Liberty graduates to make moral choices while meeting society's needs.

Program Continuity K-12

K-6th Grade	Building the Base: Core Knowledge Math, Science, Reading, Writing,+ Economics
7th and 8th Grade	Required: Computer Essentials Elective: Engineering Explorations
9th-12th Grade	Required: Introduction to Engineering Electives: <ul style="list-style-type: none">• Computer Technology• Introduction to Programming• The Art of Web Design• Robotics Engineering• Electrical & Computer Engineering 1 & 2• Mechanical Engineering• Bioengineering• Senior Design• AP Computer Science

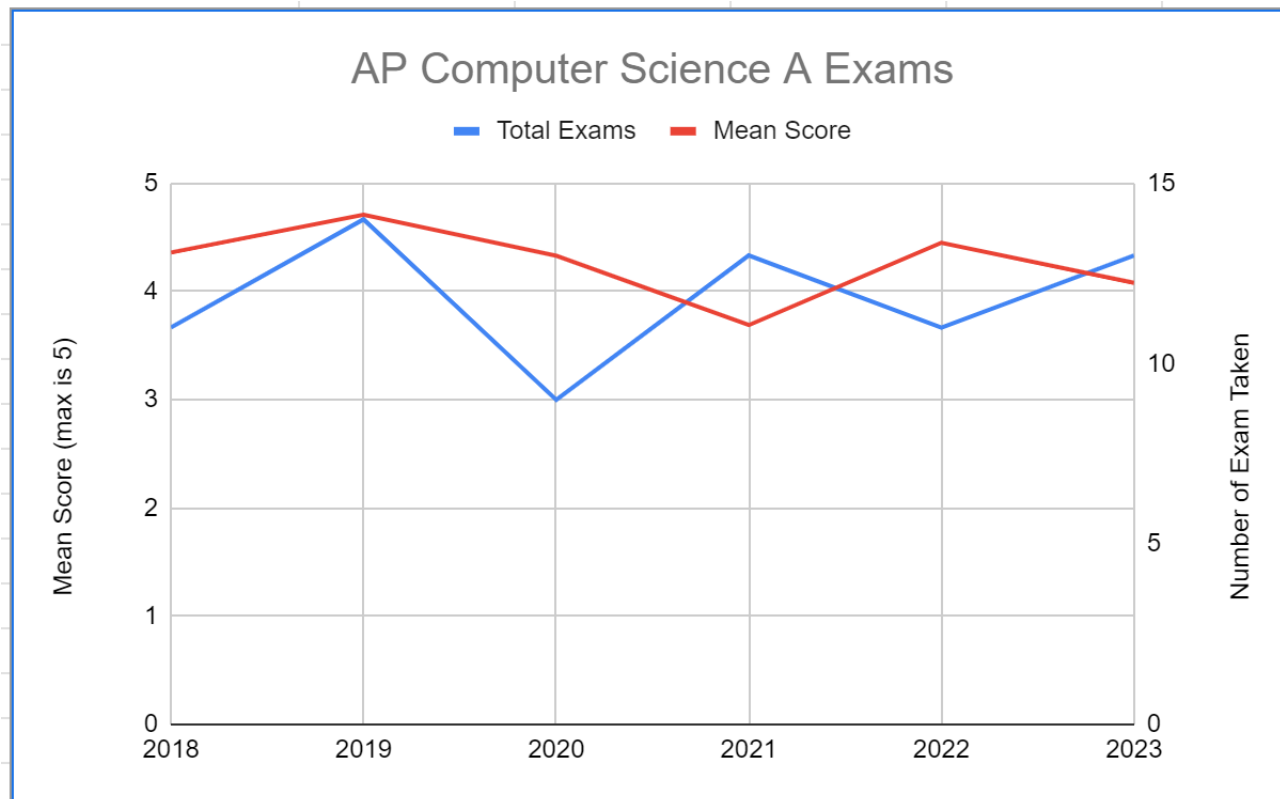


Key Accomplishments 2022-2023

- Approximately 25% of Liberty 2023 graduates chose engineering or computer science for their post high-school studies.
- Robotics teams at the elementary, junior high, and high school levels continue to represent Liberty Common High School well at local outreach events as well as regional, state, and worldwide competitions.
 - Both high school teams qualified for the Colorado State Championship. Vision Robotics won the first-place design award at the state competition.
 - One 6th-grade robotics team, the Robot Rebels, competed at the FLL Morocco Invitational Competition (one of four teams representing the USA).
- Mr. Kleen and Mrs. Lannen used funds from the OtterCares Foundation Impact Grant to purchase 7 new 3D-printers. They led an after-school build club to assist interested students in assembling the new 3D-printers.
- AP Computer Science test scores for Spring 2023 demonstrated a very high level of proficiency.
- Engineering and Computer Science is now a single department in LCHS.

AP Computer Science Test Results 2023

- 100% of students passed the exam (scored 3 or above)
- Mean score: 4.08 (on a 5-point scale)



Goals and Concerns

Goals

- We are planning to meet several times a year as a unified department so that we can connect and collaborate. It is challenging to do this since more than half of our department members teach in multiple departments, but we will find ways to keep the department connected.
- We will be participating in the quarterly K-12 all-school meetings with the science department and the elementary school teachers.

Concerns

- We are thinking ahead about possible impacts of the expansion to the junior high and high school engineering and computer science course offerings and staffing. We anticipate a substantial junior high enrollment increase in 2 years with a rippling effect to the high school enrollment. Meetings are starting this fall to discuss the impacts.
- We would like to have a K-6 teacher to collaborate with our department in producing this annual report. We got a late start this year but we hope to recruit someone for next year.
- The AAC's examination of high school graduation requirements for fine arts has led us to observe that there is no graduation credit for any of the computer science courses (other than general elective credit). We have been discussing whether students should be able to use computer science classes as an alternative to engineering, astronomy, geology, or AP Anatomy & Physiology classes in the science elective category. All students would still take Introduction to Engineering. No formal proposal has been developed at this time, but we welcome the thoughts of the members of the board.

Possible Graduation Requirement Change

SUBJECT	REQUIRED CREDITS
English	45
Western Literature	10
British Literature	10
American Literature	10
Composition 2	5
English Elective(s)	10
History	45
Western Civilization	10
World History	10
US History	10
American Government	5
Economics	10
Math	40
Algebra 1 and above	40

Science	40
Biology	10
Chemistry	10
Physics	10
Science Elective(s)	10

Science, Engineering, and/or
Computer Science Elective(s)

Foreign Language	20
Must complete Latin 2* AND two consecutive courses in same language	20
Other Required Courses	15
Personal Finance	5
Introduction to Engineering KEEP	5
Health/PE (or athletic waiver)	5
Subtotal	205
Additional Elective Credits	35
Total Credits	240

High School Robotics Teams Represented LCHS at the Colorado State Championship



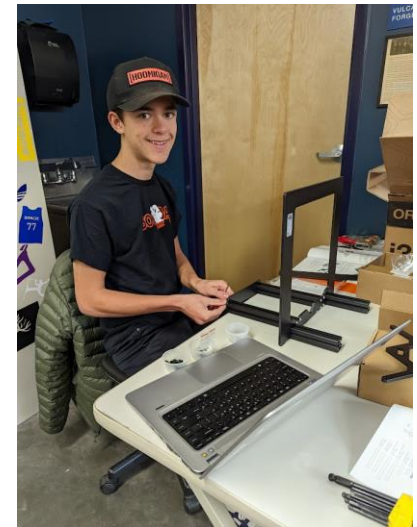
High School Robotics Teams Delivered LEGOS to Kids at Children's Hospital



6th-Grade Robot Rebels Competed in Morocco



High School Engineering Students Assembled 3D Printers



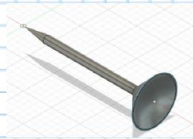
Projects with a Purpose Gallery



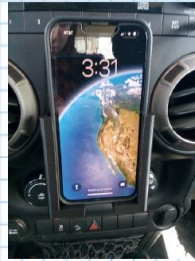
Grocery Bag Holder for Car Headrest



Replacement Chess Set Pieces



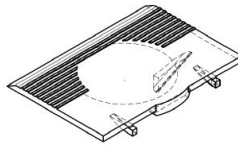
Improved Golf Tee for the Elderly



Dashboard Cell Phone Holder for Older Car



Hall Pass Timer and Alarm



Discontinued Sewing Machine Part



Nursing Supply Organizer



Replacement Part for Treadmill Performance Testing Harness



Pencil Holder for Student Desk Leg



Magnetic Tray for a Mechanic

High School Intro to Engineering Students Created Philanthropy-Inspired "Projects with a Purpose"



projectheart

Thank you OtterCares!

AP Art History senior Sarah Bartels used the Engineering Department's laser cutter for her award-winning portfolio project



LCS SCIENCE DEPARTMENT PRESENTATION TO BOD

September 28, 2023

Brian Stefanović, Department Chair

Dawn Karr, Ken Vetter, Jeanie Bradley, John Parsons, Brian Sparks

Cherie Pedersen (Aristotle Campus)

Angela Horton (Plato Campus)

Program Guiding Philosophy

- Every Liberty Common School student will learn the fundamental principles of biology, chemistry, and physics so that they can understand and appreciate the beauty, truth, and goodness found in the natural world.
- Students and teachers will enter into the joy and wonder of investigating the natural world.
- Every student will become proficient in using the tools of science.
- Every student will be prepared for further studies in biology, chemistry, and physics after graduation from Liberty Common High School.

Describe Program Continuity K-12

- K-6 teachers continue to teach and use scientific language, scientific skills, and scientific observation and investigation to lay a strong foundation for high school science teachers to build upon.
- At all grade levels, science instruction is led by our program guiding philosophy.

Key accomplishments supporting guiding philosophy at the Aristotle Campus

- As reported by Mrs. Cherie Pedersen:
- I make sure we have the science supplies we need at the Aristotle campus for grades K-5, next year K-6, and that they are organized so people can find what is needed.
- Last spring Angela Horton ordered the supplies needed by this year's 5th grade class, which was a great help.
- We also follow the CK Sequence and are staying on the same page as the Plato campus. Overall, things are going well.

Key accomplishments supporting guiding philosophy at the Plato Campus

- As reported by Mrs. Cherie Pedersen:
- We all stick tightly to the curriculum. As for needs, there may be some equipment needs at Aristotle as they now have 5th grade and next year will have 6th, and their lab needs are greater than the lower grades.
- My responsibilities at Plato are mostly making sure general use items for all labs are available and ordering replacements and/or additional items as needed, i.e. glassware, an additional skeleton model, etc.

Key accomplishments supporting guiding philosophy at the high school

- Jeanie Bradley taught her “Science in Science Fiction” class for the first time last spring for junior high students.
- Biology, Chemistry, and Physics will be looking at our curricula this year in comparison to other competing schools in Colorado as well as classical schools throughout the country.
- We aim to support the goals of Liberty:
 - To prepare students to excel in college
 - To be consistent with a classical education building on the Core Knowledge Sequence
 - To accentuate science through enhance requirements and rigor beyond the norm of mainstream American high schools
- We switched the algebra-based AP physics class to the calculus-based AP class to better align with college preparation.

Significant trends in test results

AP Subject	# of score 1	# of score 2	# of score 3	# of score 4	# of score 5
Biology	0	1	10	3	4
Chemistry	0	1	1	1	1
Physics - Mechanics	1	2	4	1	3
Physics - Emag	1	3	2	2	2

These scores are comparable to the scores from previous years. This was the first year that Calculus-based Physics was offered as an AP class.

CMAS Science Test Results

5th Grade	% Met or Exceeded Expectations	Science	Rank
State	33.9%	733	
District	49.5%	745	
Zach	89.0%	774	1
Traut	75.3%	762	2
McGraw	61.5%	759	3
Bethke	69.4%	758	4
Werner	63.0%	754	5
Bennett	66.7%	753	6
Liberty Common	57.5%	753	6

8th Grade	% Met or Exceeded Expectations	Science	Rank
State	31.3%	731	
District	46.6%	742	
Mountain Sage	76.5%	758	1
Kinard	67.7%	756	2
Liberty Common	65.1%	755	3
Cache La Poudre	60.8%	753	4
Polaris	71.9%	752	5
Leshar	57.7%	750	6

These results are similar to the last time we tested in 2019.

5th Grade – 63.2%

8th Grade - 73.8%

11th Grade – 83.8%

HS	% Met or Exceeded Expectations	Science	Rank
State	24.6%	729	
District	45.6%	740	
Liberty Common	80.7%	760	1
Ridgeview Classical	65.4%	757	2
Fossil Ridge	55.9%	747	3
Rocky Mountain	41.9%	740	4
Poudre	22.8%	724	5
Centennial	not reported	718	6

Goals

- Support the Aristotle Campus and new elementary school teachers with content, curriculum, and equipment when needed.
- Support the transition and expansion of the elementary school and junior high school over the coming years.
- As a department, we are studying big ideas in science and how those ideas have developed over the course of history. The development of these ideas does not correlate well with the scientific method but relies on moments of genius and deep insight into the natural world. It is this type of science that has led to the significant progressions in our understanding of the world.
- Develop a vision document for the high school to help guide the science department to align with the policies of the Board of Directors, Core Knowledge, and lead to a greater understanding of science for our students.

Additional Information

- High School Science Bowl continues to meet and prepare for competition in person with Mrs. Karr.
- Junior High Science Club meets each week during 9th hour for science related project competitions with Mrs. Bradley.
- The department has started a wish list of needs for the junior high and high school expansion. We are considering space, equipment, class, and personnel needs for the expansion of all the classes.

7th Grade Science – Jeanie Bradley

- I am working on establishing a more specific unit organizer with current curriculum/labs/readings/etc, modeling after the K-6 organizers to help with that transition to the JH so that any new teacher or new 7th grade teacher will have a clearly defined, specific, month by month plan to guide them.
- The 5th and 6th grade teachers at our first faculty meeting encouraged this because they have seen how helpful it is not only for them but especially for the new teachers.

8th Grade Science – John Parsons

- I've made a major effort this year to help students become proficient and comfortable using all aspects of the metric system and dimensional analysis. Students are required to memorize all prefixes from Mega to micro, show all their work in converting from US customary to metric and vice versa, and I'm trying to have every kid make lots of measurements using metric units to help develop confidence. I unfortunately have students who can't identify the individual marks on a meter stick, let alone convert 253 cm to meters.
- The presentations in 8th grade science are old and out of date. I am determined to rework the materials and hope to use more written notes and not use PowerPoint nearly as much.
- While I haven't started, I plan on requiring all students to obtain a "Science Journal" that they can repeatedly use for all observations, data collection, and writing.
- Finally, I am making moves to move my assessments to be cumulative as is described in "From Wonder to Mastery," the book the the science department collectively read last year.

Biology – Dawn Karr

- I will be investigating the curriculum maps of biology classes at other classical schools...especially Vangaard, DEvelyn, and Stargate Charter.
- I will be giving a presentation at Festival of Ideas.

Chemistry - Mr. Sparks

- CCP: started off with a classic sugar and H_2SO_4 demo. Been doing labs demonstrating chemical and physical changes and separation techniques
- Chem: started off with blowing up a hydrogen/oxygen bottle to get their interest. Also been doing labs demonstrating chemical and physical changes and separation techniques, like reacting the inside of a penny with HCl to leave the copper shell intact. I also demonstrated how to melt the zinc out of the penny's middle
- AP Chem: Busy trying to keep up with the hectic pace required by the College Board. The students got to use a Spec 20 for the first time to analyze the copper content in brass. We will require another Spec 20 when our campus expands.

Physics – Brian Stefanović

- The physics textbook, written by Dr. Gavin Polhemus, that we have been using is nearing completion. Full unit organizers, homework packets, practice problems, and tests have been fully developed for each unit.
- This textbook follows the method of fundamental principles which aims to teach students how to do physics without simply memorizing a set of equations. It is becoming the standard by which many advanced technological colleges are teaching physics.
- I am considering extending AP Physics C into a three-semester class instead of two. The class is broken up into two pieces: Mechanics and Electromagnetics which corresponds to a full year of college level physics. I am still considering what this might look like.

Thanks

- I would like to give personal thanks to Dawn Karr for all her hard work and commitment to the Science Department over the years as department chair and biology teacher. She has been a steadfast source of love and support for the teachers and students under her nurturing care. Without a doubt, the foundation of the science department would not be as strong without her leadership. I am thankful for her personal mentorship as I transition into this new role as department head.



LCS Spring Standardized Test Data Report, 2023

Introduction. The following report will provide data from all spring assessments including NWEA (K-12), CMAS (3-11), PSAT 9, PSAT 10, SAT, and AP exams. Performance on these exams was strong and consistent with expectations based on previous years. The data is used internally to help identify individual students who might need particular assistance and help assess the overall health of instructional and curricular approaches.

Administrators and board members can productively examine these standardized results through a couple of lenses. First, are scores by grade and subject remaining constant or growing over time? If so, it should be taken as positive evidence for the quality of classroom instruction. If year-over-year data shows a consistent decline in average scores at a grade level, on the other hand, it may be evidence of a shortfall in instructional or curricular strategies. Such a trend should prompt investigation by the administration and questions by board members. The most useful test for these kinds of longitudinal comparisons is the NWEA.

A second useful direction for oversight is to ask what intervention and data analysis strategies are being deployed to serve struggling students identified on these exams. LCS has very effective strategies to support those students. These range from additional attention from classroom teachers, to supplemental courses during the summer and school year, to sustained support from the Academic Support Team. These strategies should be continually reviewed, discussed, refined, and improved.

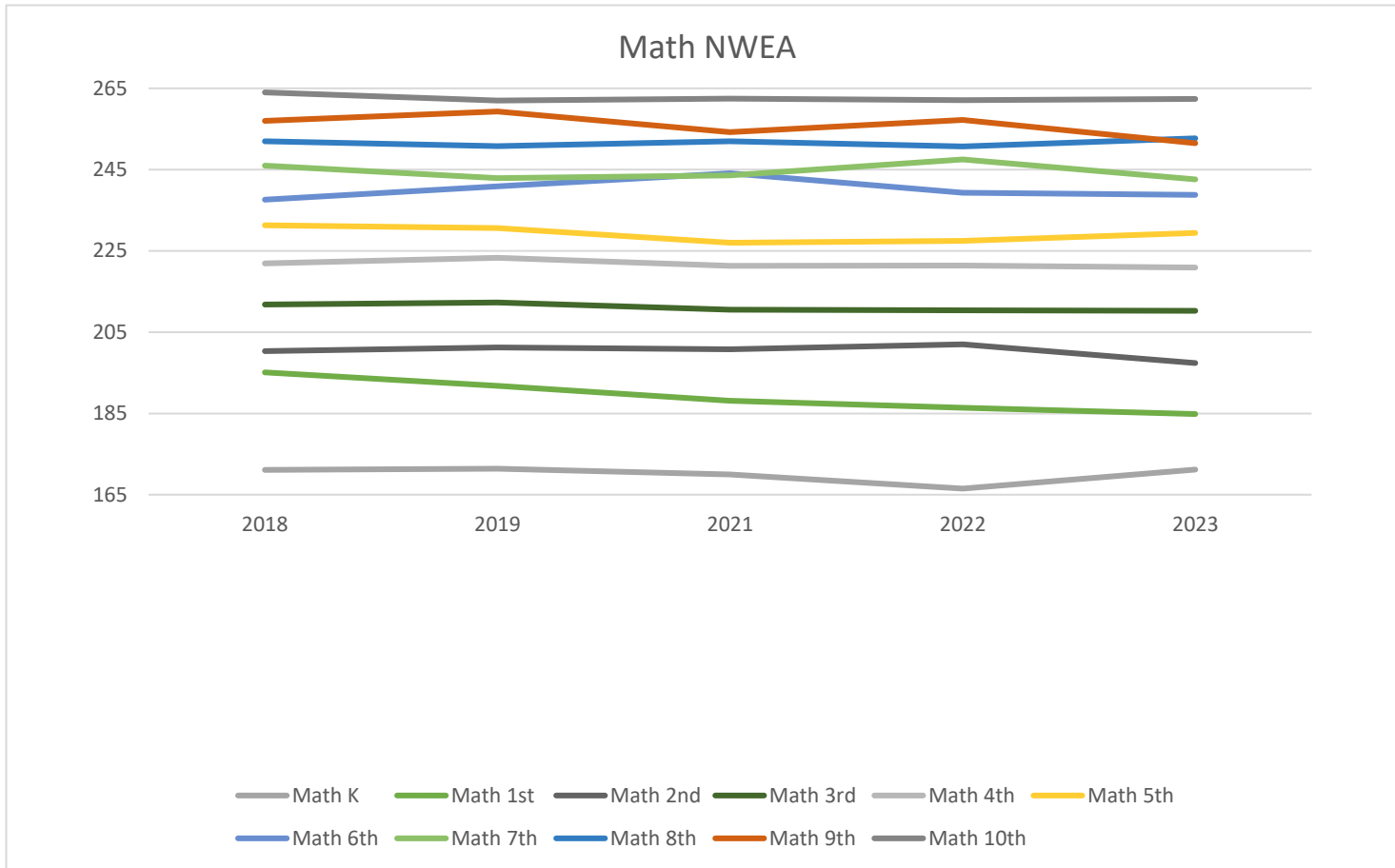
The balance of this report will provide descriptive statistics for each of the exams listed above beginning with the NWEA.

NWEA. Performance remains high across the board and averages from year-to-year are within a fairly tight tolerance of a few RIT points, or a couple of percent of the overall scores. Analyzing this data helps us find worrisome trends for a particular cohort of students or for instruction in certain subjects or classrooms. Overall, Liberty has seen consistent growth from students when looking at the Mean RIT Scores of NWEA assessments. Graphs are fairly flat across the six examination periods pictured below. Following a cohort diagonally through the chart, we can verify that individual cohorts of students are growing as strongly as expected.

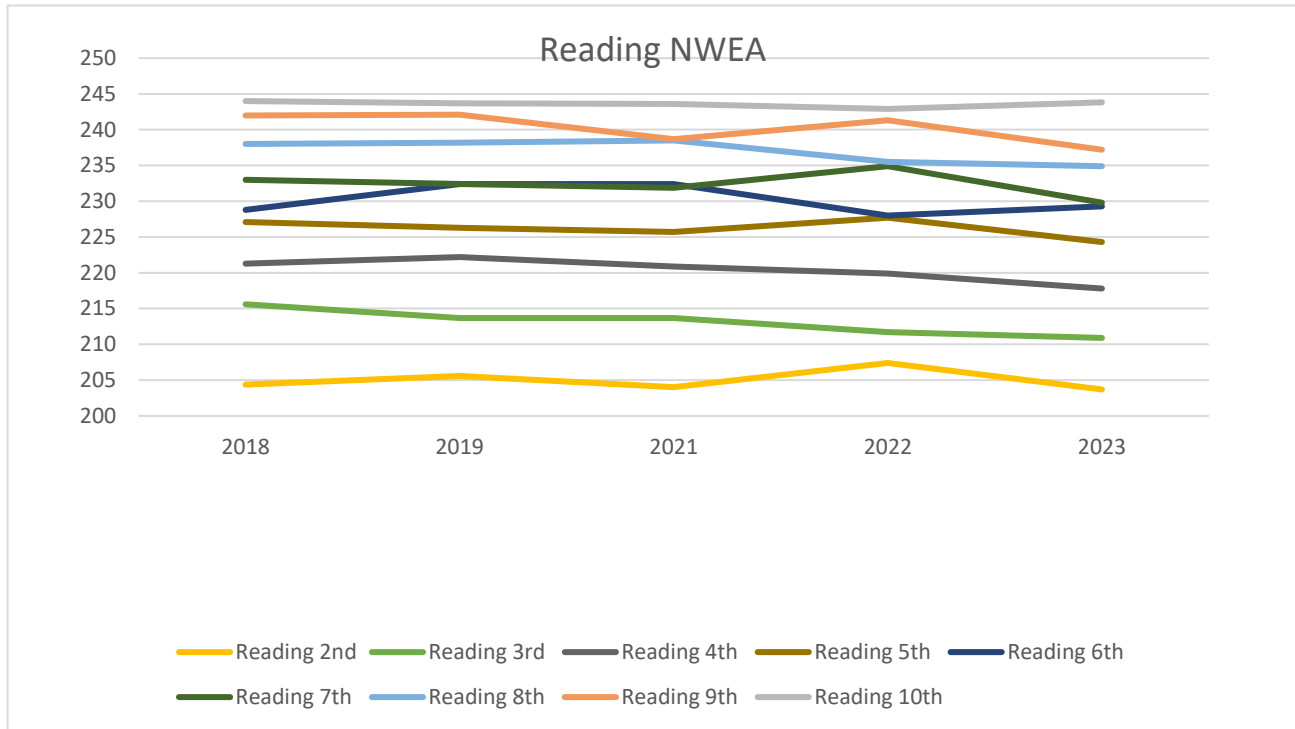
A slight drop in some grade level scores can be attributed to the expansion of our school. With the opening of the Aristotle campus and the onboarding of around 250 students from all around the district, grade level teachers worked hard to close the learning gaps of their classes. We anticipate seeing large gains with this achievement gap as well as gains in our overall growth in future years as students are exposed to the rigorous Core Knowledge Curriculum and high expectations at the new campus.

Similarly, lower scores in 7th and 9th grade, as opposed to previous years, can be attributed to a large number of newly enrolled students with lower-than-normal NWEA placement scores and academic skill deficiencies. It will be important to track these cohorts diagonally through the chart so verify that they also follow our typical growth pattern.

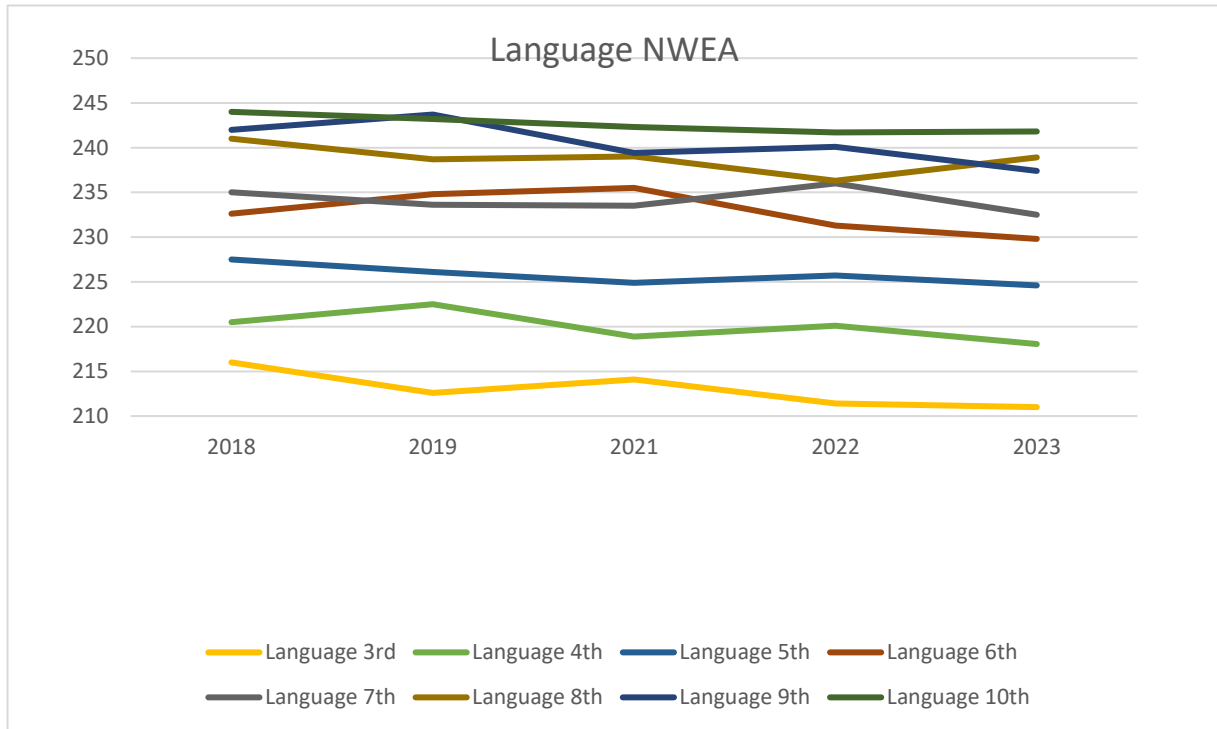
Math											
	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	171.1	195.1	200.3	211.8	221.9	231.3	237.6	246	252	257	264
Spring 2019	171.4	191.8	201.2	212.3	223.3	230.6	240.9	242.9	250.8	259.3	262
Spring 2021	170	188.1	200.8	210.5	221.3	227	244.1	243.6	252	254.2	262.5
Spring 2022	166.5	186.4	202	210.4	221.4	227.5	239.3	247.5	250.7	257.2	262.1
Spring 2023	171.15	184.85	197.4	210.25	220.9	229.4	238.8	242.6	252.7	251.5	262.4



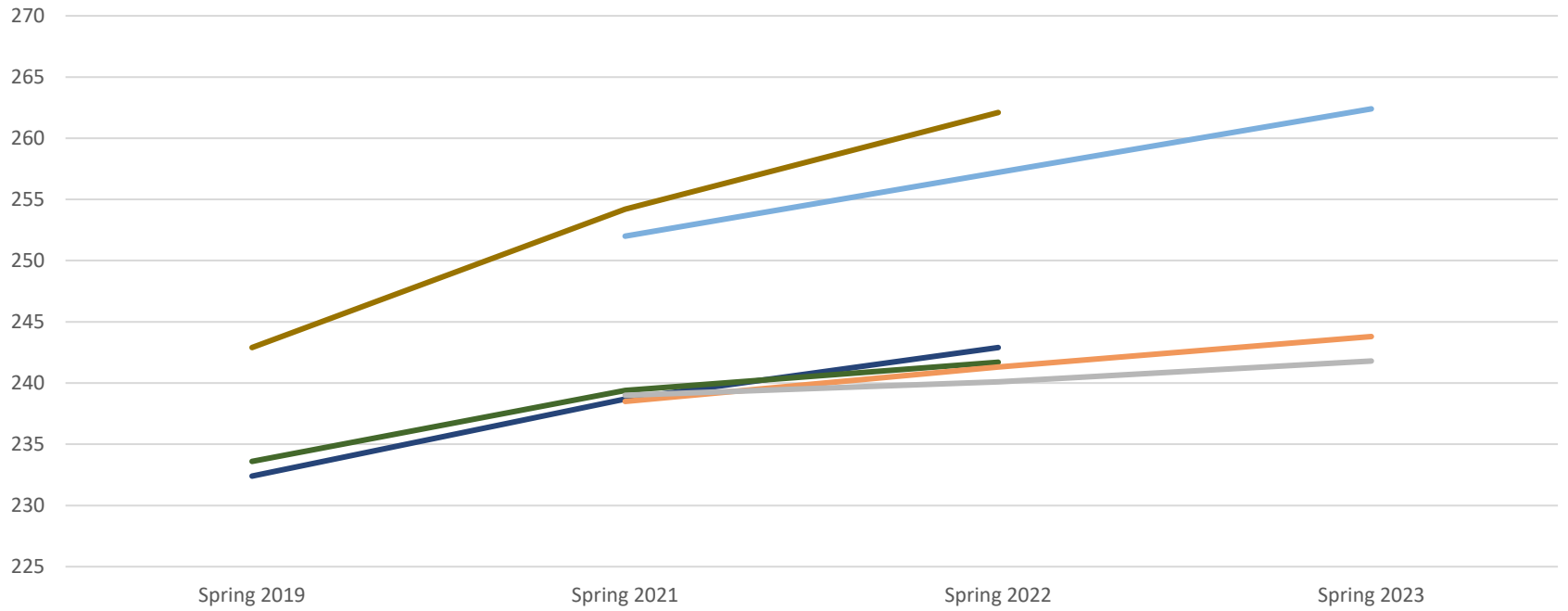
Reading									
	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	204.4	215.6	221.3	227.1	228.8	233	238	242	244
Spring 2019	205.6	213.7	222.2	226.3	232.4	232.4	238.2	242.1	243.7
Spring 2021	204	213.7	220.9	225.7	232.4	231.9	238.5	238.7	243.6
Spring 2022	207.4	211.7	219.9	227.7	228	234.9	235.5	241.3	242.9
Spring 2023	203.7	210.9	217.8	224.3	229.3	229.8	234.9	237.2	243.8



Language								
	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	216	220.5	227.5	232.6	235	241	242	244
Spring 2019	212.6	222.5	226.1	234.8	233.6	238.7	243.7	243.2
Spring 2021	214.1	218.9	224.9	235.5	233.5	239	239.4	242.3
Spring 2022	211.4	220.1	225.7	231.3	236	236.3	240.1	241.7
Spring 2023	211	218.05	224.6	229.8	232.5	238.9	237.4	241.8



Class of 2024 & 2025 NWEA



Class of 2024 Math Class of 2024 Reading Class of 2024 Language Class of 2025 Math Class of 2025 Reading Class of 2025 Language

Percent at or Above Grade Level Mean:

This data reflects the number of our students who performed above the national average RIT score on the NWEA. Both the LCS mean RIT score (above) and the LCS mean percentile compared to national test-takers (below) round out these numbers and present a better picture of year-over-year changes.

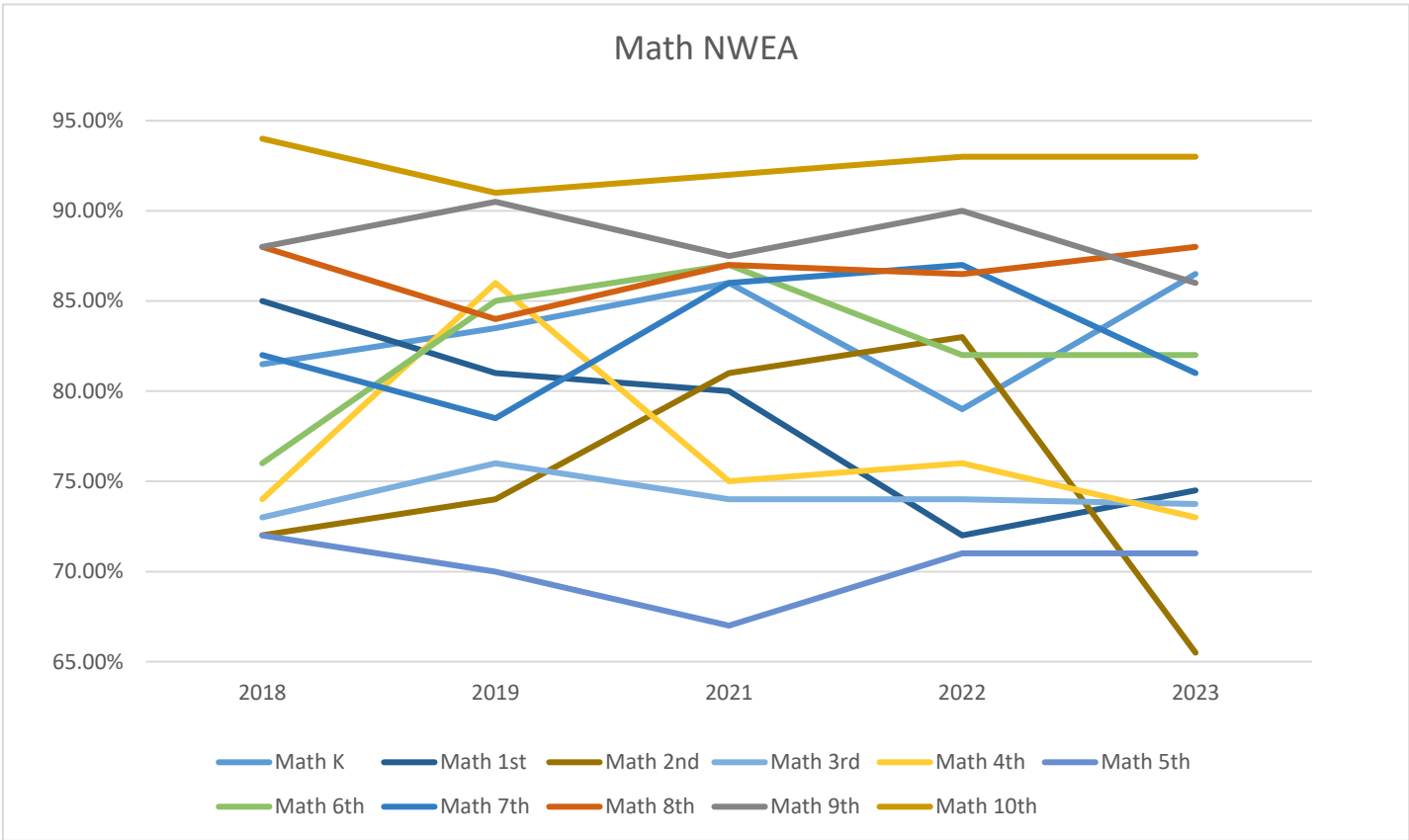
Math											
	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	79.55%	90.80%	87.36%	81.61%	80.46%	82.22%	82.76%	94.38%	96.77%	95.79%	97.56%
Spring 2019	87.50%	79.07%	85.06%	88.51%	80.46%	78.16%	90.59%	87.78%	94.74%	100.00%	98.80%
Spring 2021	90.91%	89.53%	88.37%	84.52%	93.02%	86.21%	96.51%	91.11%	93.10%	96.00%	97.75%
Spring 2022	78.16%	82.35%	96.47%	86.36%	91.67%	85.88%	96.47%	95.40%	92.04%	96.96%	96.38%
Spring 2023	92.47%	85.23%	79.97%	88.15%	87.01%	86.52%	91.67%	93.48%	90.80%	93.41%	95.56%

Reading									
	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	96.55%	93.10%	94.32%	95.56%	90.80%	93.26%	95.70%	97.92%	98.78%
Spring 2019	93.10%	96.55%	96.55%	89.66%	97.65%	94.44%	97.89%	99.00%	98.78%
Spring 2021	98.84%	92.86%	93.02%	91.95%	91.86%	88.76%	95.40%	98.00%	96.55%
Spring 2022	97.65%	90.91%	91.76%	97.65%	88.24%	91.95%	91.01%	95.95%	97.61%
Spring 2023	92.57%	89.84%	90.42%	95.51%	88.10%	90.22%	85.06%	93.41%	96.70%

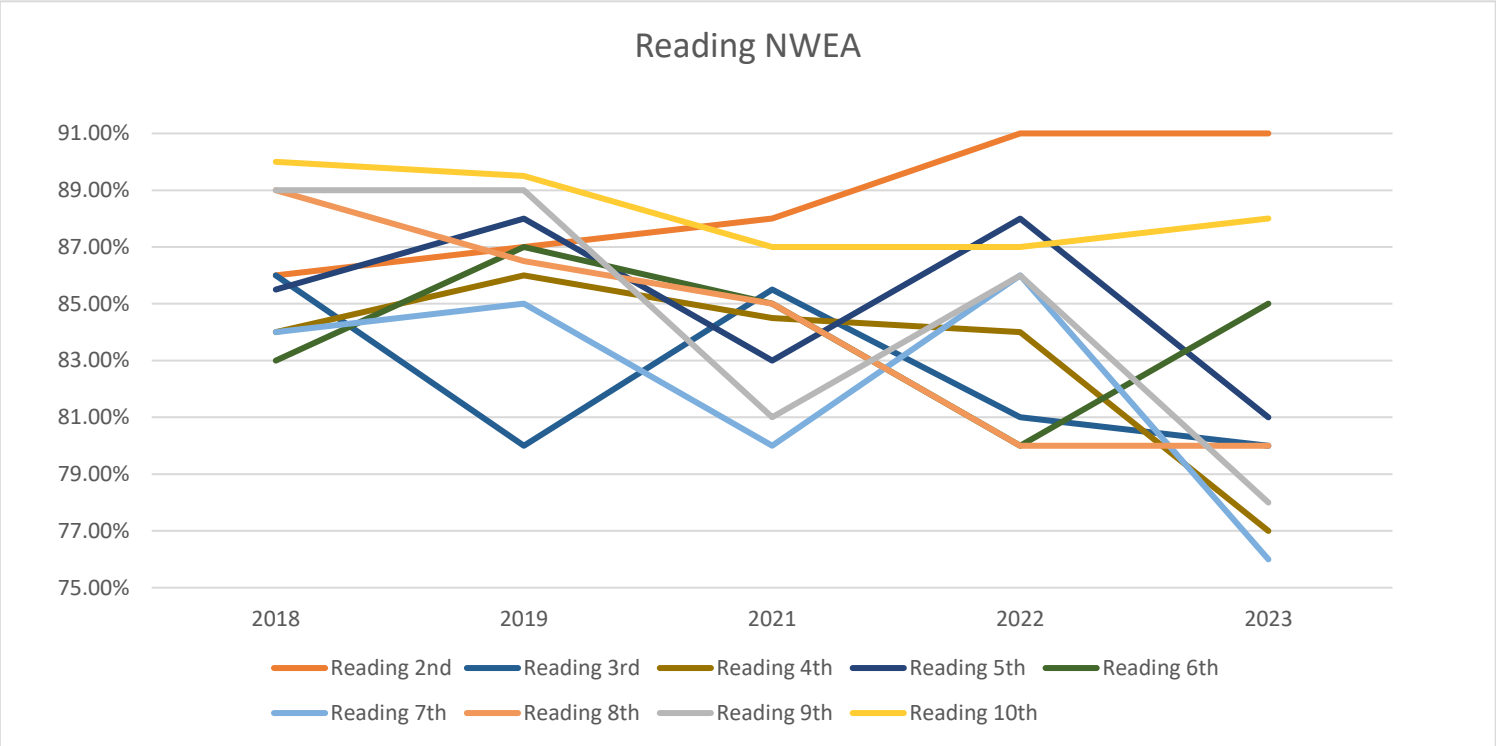
Language								
	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	95.40%	95.45%	95.56%	96.55%	96.59%	98.92%	98.96%	100.00%
Spring 2019	91.95%	94.25%	93.10%	97.65%	95.60%	97.87%	100.00%	97.53%
Spring 2021	97.62%	94.19%	93.10%	97.67%	95.55%	96.55%	100.00%	98.88%
Spring 2022	84.09%	86.90%	96.47%	95.29%	95.34%	97.70%	97.97%	98.80%
Spring 2023	90.96%	89.85%	93.26%	91.67%	94.57%	96.55%	93.41%	95.60%

Median Percentile:

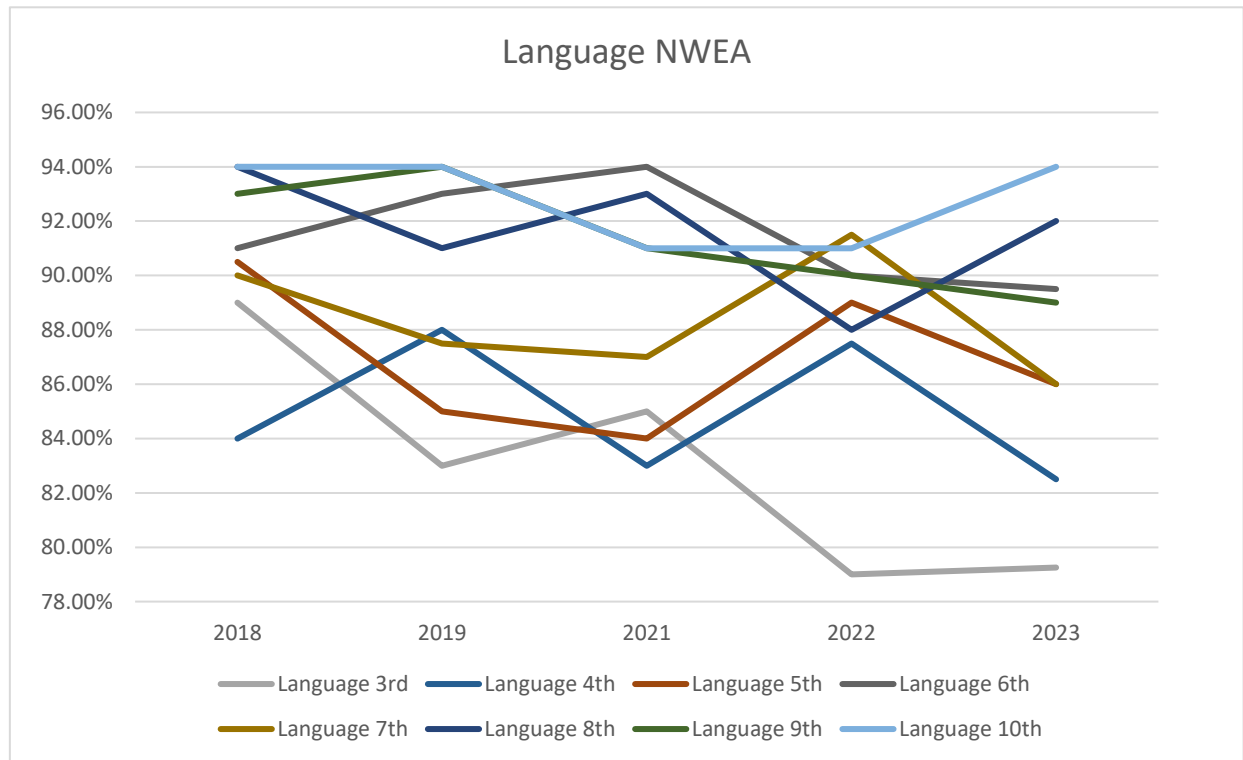
Math											
	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	81.5%	85.0%	72.0%	73.0%	74.0%	72.0%	76.0%	82.0%	88.0%	88.0%	94.0%
Spring 2019	83.5%	81.0%	74.0%	76.0%	86.0%	70.0%	85.0%	78.5%	84.0%	90.5%	91.0%
Spring 2021	86.0%	80.0%	81.0%	74.0%	75.0%	67.0%	87.0%	86.0%	87.0%	87.5%	92.0%
Spring 2022	79.0%	72.0%	83.0%	74.0%	76.0%	71.0%	82.0%	87.0%	86.5%	90.0%	93.0%
Spring 2023	86.5%	74.5%	65.5%	73.8%	73.0%	71.0%	82.0%	81.0%	88.0%	86.0%	93.0%



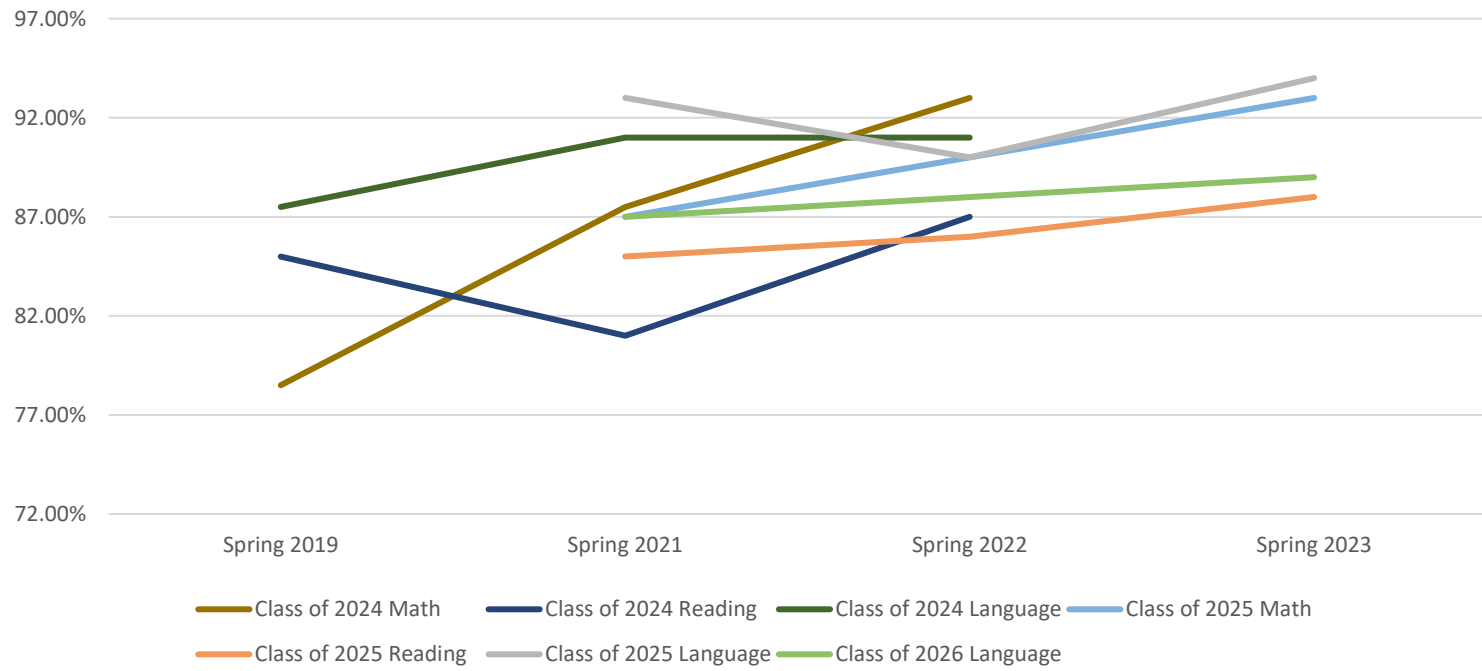
Reading									
	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	86.0%	86.0%	84.0%	85.5%	83.0%	84.0%	89.0%	89.0%	90.0%
Spring 2019	87.0%	80.0%	86.0%	88.0%	87.0%	85.0%	86.5%	89.0%	89.5%
Spring 2021	88.0%	85.5%	84.5%	83.0%	85.0%	80.0%	85.0%	81.0%	87.0%
Spring 2022	91.0%	81.0%	84.0%	88.0%	80.0%	86.0%	80.0%	86.0%	87.0%
Spring 2023	91.0%	80.0%	77.0%	81.0%	85.0%	76.0%	80.0%	78.0%	88.0%



Language								
	3rd	4th	5th	6th	7th	8th	9th	10th
Spring 2018	89.0%	84.0%	90.5%	91.0%	90.0%	94.0%	93.0%	94.0%
Spring 2019	83.0%	88.0%	85.0%	93.0%	87.5%	91.0%	94.0%	94.0%
Spring 2021	85.0%	83.0%	84.0%	94.0%	87.0%	93.0%	91.0%	91.0%
Spring 2022	79.0%	87.5%	89.0%	90.0%	91.5%	88.0%	90.0%	91.0%
Spring 2023	79.3%	82.5%	86.0%	89.5%	86.0%	92.0%	89.0%	94.0%



Class of 2024 & 2025 NWEA



CMAS: Overall, Liberty Common High School students performed well on these state assessments. LCHS students notably earned the highest median score in the district in both 7th grade math and 11th grade science. CMAS scores have some diagnostic value, and are useful in providing the most direct comparison to other district schools. However, the CMAS is pegged to standards which are often vague and sometimes divergent from our Core Knowledge approach and assumes an order of content which does not always match our curriculum. For these reasons, the NWEA is our most useful diagnostic tool. Please note for Math and ELA, these charts are showing the percentage of students who met or exceeded expectations. This comparative data was not provided to us for the Science exam, so for Science the rank is based on median scores, which was provided.

Liberty Common Elementary campuses performed well on the state assessments. Any dip to district ranking can be explained from the growth of our school. With an additional 250 students from all over northern Colorado this last year, teachers worked hard to academically level the playing field for our students. We anticipate our rankings will continue to grow as students settle into the high expectations and build their vocabulary from year to year. The other thing that needs to be considered, is that sometimes the Core Knowledge curriculum does not align with the Common Core State Standards. While all state standards will be covered in past or future years, the assessments may ask questions out of sync with what we are teaching. This can be seen easily in the 5th grade science rank.

3rd Grade	% Met or Exceeded Expectations	ELA	Rank
State	39.9%	737	
District	56.0%	752	
Zach	84.3%	787	1
Dunn	76.1%	774	2
Traut	79.5%	773	3
Liberty Common	82.5%	772	4
Kruse	62.3%	766	5

3rd Grade	% Met or Exceeded Expectations	Math	Rank
State	40.4%	738	
District	54.3%	751	
Zach	89.0%	789	1
Liberty Common	80.0%	772	2
O'Dea	70.8%	766	3
Traut	71.6%	766	3
Kruse	70.3%	762	4

4th Grade	% Met or Exceeded Expectations	ELA	Rank
State	43.8%	742	
District	59.1%	755	
Zach	82.4%	790	1
Traut	81.2%	777	2
Liberty Common	81.8%	773	3
McGraw	72.3%	770	4
Ft Collins Montessori	72.7%	768	5

4th Grade	% Met or Exceeded Expectations	Math	Rank
State	32.7%	733	
District	49.4%	746	
Zach	81.0%	772	1
Traut	79.7%	771	2
Bacon	81.7%	767	3
Liberty Common	65.9%	760	4
McGraw	64.6%	757	5

5th Grade	% Met or Exceeded Expectations	ELA	Rank
State	47.8%	747	
District	64.3%	761	
Zach	95.0%	795	1
Traut	90.4%	784	2
Liberty Common	85.1%	775	3
McGraw	73.8%	773	4
Bethke	82.6%	772	5

5th Grade	% Met or Exceeded Expectations	Math	Rank
State	36.5%	737	
District	52.6%	751	
Zach	87.4%	785	1
Traut	83.6%	772	2
McGraw	67.2%	765	3
Bethke	72.1%	762	4
Liberty Common	68.2%	761	5

5th Grade	% Met or Exceeded Expectations	Science	Rank
State	33.9%	733	
District	49.5%	745	
Zach	89.0%	774	1
Traut	75.3%	762	2
McGraw	61.5%	759	3
Bethke	69.4%	758	4
Werner	63.0%	754	5
Bennett	66.7%	753	6
Liberty Common	57.5%	753	6

6th Grade	% Met or Exceeded Expectations	ELA	Rank
State	43.4%	743	
District	56.6%	753	
Kinard	81.5%	776	1
Liberty Common	85.7%	772	2
Leshner	66.5%	763	3
Webber	66.5%	760	4
Compass Community	not reported	759	5

6th Grade	% Met or Exceeded Expectations	Math	Rank
State	28.2%	730	
District	44.6%	743	
Kinard	78.6%	772	1
Liberty Common	65.5%	760	2
Ridgeview Classical	50.0%	748	3
Leshner	53.3%	748	3
Webber	49.1%	748	3

7th Grade	% Met or Exceeded Expectations	ELA	Rank
State	45.0%	744	
District	57.3%	757	
Compass Community	89.7%	782	1
Polaris	80.0%	776	2
Kinard	68.6%	771	3
Liberty Common	74.4%	767	4
Ridgeview Classical	68.2%	764	5

7th Grade	% Met or Exceeded Expectations	Math	Rank
State	26.3%	731	
District	41.7%	742	
Liberty Common	71.7%	757	1
Kinard	59.9%	757	1
Compass Community	69.0%	753	2
Polaris	47.5%	749	3
Leshner	47.4%	745	4

8th Grade	% Met or Exceeded Expectations	ELA	Rank
State	42.4%	741	
District	58.3%	756	
Kinard	80.3%	782	1
Mountain Sage	82.4%	779	2
Liberty Common	73.5%	771	3
Ridgeview Classical	77.4%	769	4
Cache La Poudre	66.0%	766	5

8th Grade	% Met or Exceeded Expectations	Math	Rank
State	32.7%	732	
District	53.5%	752	
Kinard	75.9%	777	1
Liberty Common	73.5%	770	2
Cache La Poudre	68.0%	765	3
Preston	69.0%	764	4
Mountain Sage	58.8%	761	5

8th Grade	% Met or Exceeded Expectations	Science	Rank
State	31.3%	731	
District	46.6%	742	
Mountain Sage	76.5%	758	1
Kinard	67.7%	756	2
Liberty Common	65.1%	755	3
Cache La Poudre	60.8%	753	4
Polaris	71.9%	752	5
Lesher	57.7%	750	6

HS	% Met or Exceeded Expectations	Science	Rank
State	24.6%	729	
District	45.6%	740	
Liberty Common	80.7%	760	1
Ridgeview Classical	65.4%	757	2
Fossil Ridge	55.9%	747	3
Rocky Mountain	41.9%	740	4
Poudre	22.8%	724	5
Centennial	not reported	718	6

NWEA: Student Growth

Aristotle median growth percentiles look really good in all subject areas in our first year. This was to be expected as students came to us very low academically. Liberty’s focus on a rigorous academic curriculum and teaching strategies has proven effective. We will continue to monitor growth over the years as our population grows.

Plato median growth percentile trends are stable year over year. Across all three tests (math, reading, and language usage), Plato students consistently meet and exceed grade-level projected* school growth with very few exceptions and no notable trends. For example, the only grade-level/test in which students did not meet grade-level projected growth in 22-23 was in 2nd-grade math; however, 2nd-grade students exceeded and met projected school growth in 20-21 and 21-22 respectively.

Math continues to be an area we watch closely in both academic achievement and growth. As the new math department chair, Mr. Lovely is working closely with the K-6 teams to review the curriculum and data.

The disparity between actual growth and projected growth in 7th and 8th is notable. This anomaly could represent many possible factors inherent to differences in the Liberty Common curriculum. One possible explanation is that students in these grades come in with high reading scores from the elementary and dedicate much of these years to grammar and Latin training. The data also indicates that this pays off in both areas in 9th and 10th grade.

*Growth projections are based upon all “similar” students nation-wide. NWEA’s description of how projected growth is determined:

A student's growth projection depends on their grade, subject, and starting RIT, and indicates the average growth for all students in the same grade, subject, and starting RIT.

For example, if a student's growth projection from fall to spring is 5 RIT points, this means that of all students in the same grade and subject, and starting at the same initial RIT, the average growth was 5 RIT points.

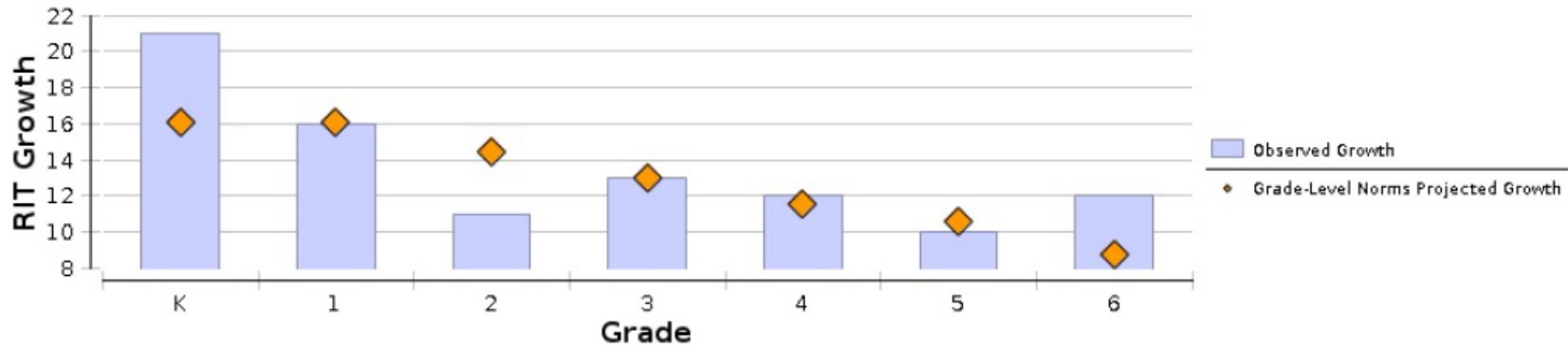
Plato Math Growth

Liberty Common School

Math: Math K-12

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against								
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms			
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile
K	84	149.3	10.1	96	170.7	11.2	99	21	1.0	16.1	2.35	99	84	62	74	77
1	87	169.0	9.6	94	184.7	8.9	91	16	0.6	16.1	-0.16	44	87	46	53	50
2	87	187.6	9.6	98	198.7	9.4	93	11	0.7	14.4	-1.48	7	87	32	37	35
3	88	198.1	8.4	95	211.3	7.6	94	13	0.6	13.0	0.08	53	88	53	60	57
4	87	208.9	9.4	92	220.5	10.6	91	12	0.7	11.6	0.02	51	87	47	54	52
5	87	219.9	10.3	93	229.4	10.8	90	10	0.7	10.6	-0.48	31	87	40	46	46
6	82	226.2	12.3	93	238.7	13.8	97	12	0.7	8.8	1.70	95	82	61	74	77

Math: Math K-12



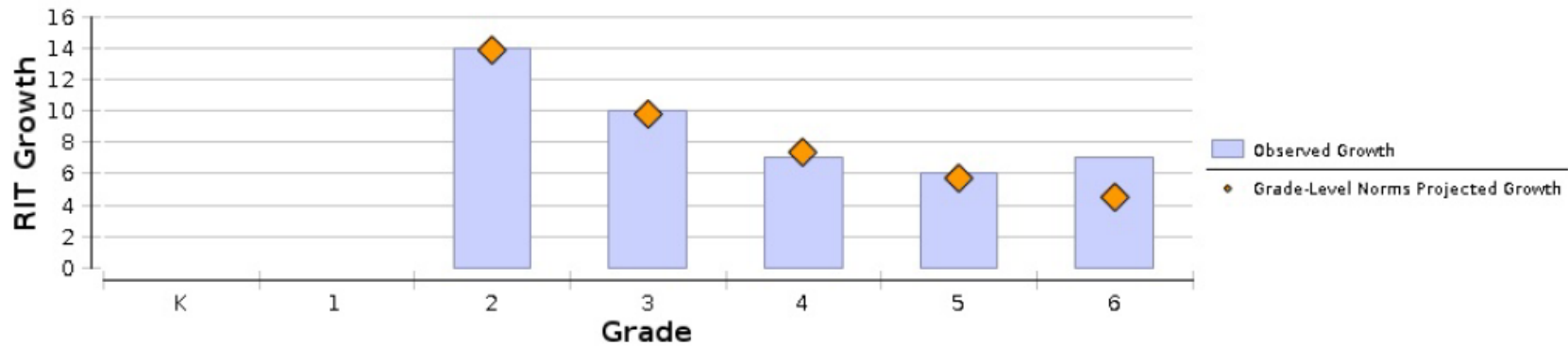
Plato Reading Growth

Liberty Common School

Language Arts:
Reading

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against								
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms			
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile
K	0	**			**			**					**			
1	0	**			**			**					**			
2	87	191.8	15.3	99	205.3	11.4	99	14	0.9	13.8	-0.12	45	87	54	62	63
3	83	203.5	11.3	99	213.3	10.8	99	10	1.0	9.8	0.02	51	83	49	59	57
4	87	211.6	12.5	98	218.7	10.6	97	7	0.8	7.3	-0.10	46	87	47	54	50
5	87	218.6	10.7	98	224.4	10.4	97	6	0.8	5.8	0.02	51	87	51	59	55
6	82	222.5	13.5	96	229.3	12.0	98	7	0.8	4.5	1.34	91	82	63	77	67

Language Arts: Reading



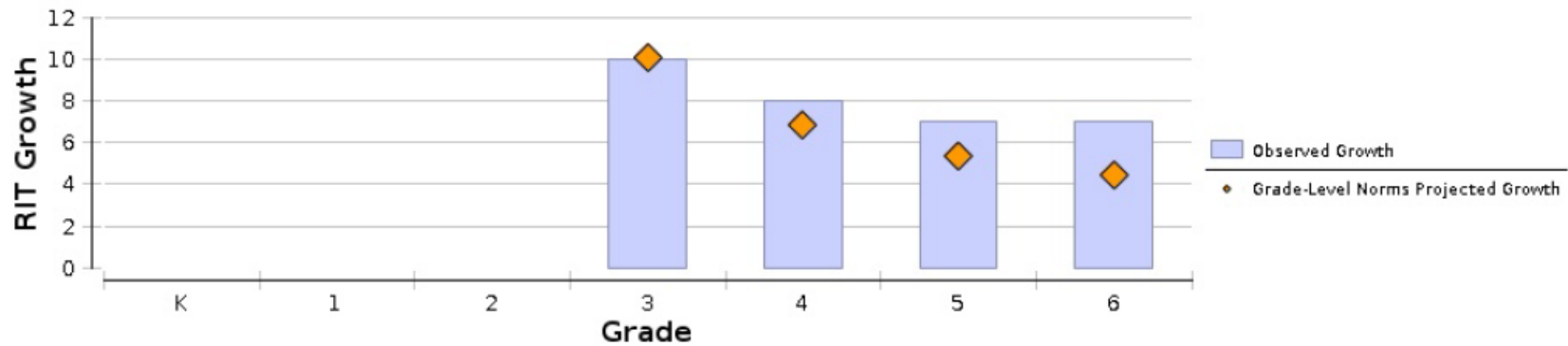
Plato Language Usage Growth

Liberty Common School

Language Arts:
Language Usage

Grade (Spring 2023)	Total Number of Growth Events‡	Comparison Periods						Growth Evaluated Against									
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms				
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile	
K	0	**			**			**						**			
1	0	**			**			**						**			
2	0	**			**			**						**			
3	88	204.2	10.6	99	213.8	10.5	99	10	0.9	10.0	-0.22	41	88	55	63	61	
4	87	210.8	11.9	98	218.7	9.4	98	8	0.7	6.8	0.64	74	87	58	67	61	
5	87	217.5	9.8	98	224.7	10.4	99	7	0.7	5.4	1.14	87	87	66	76	67	
6	83	223.1	11.9	99	229.8	11.2	99	7	0.8	4.4	1.62	95	83	59	71	75	

Language Arts: Language Usage



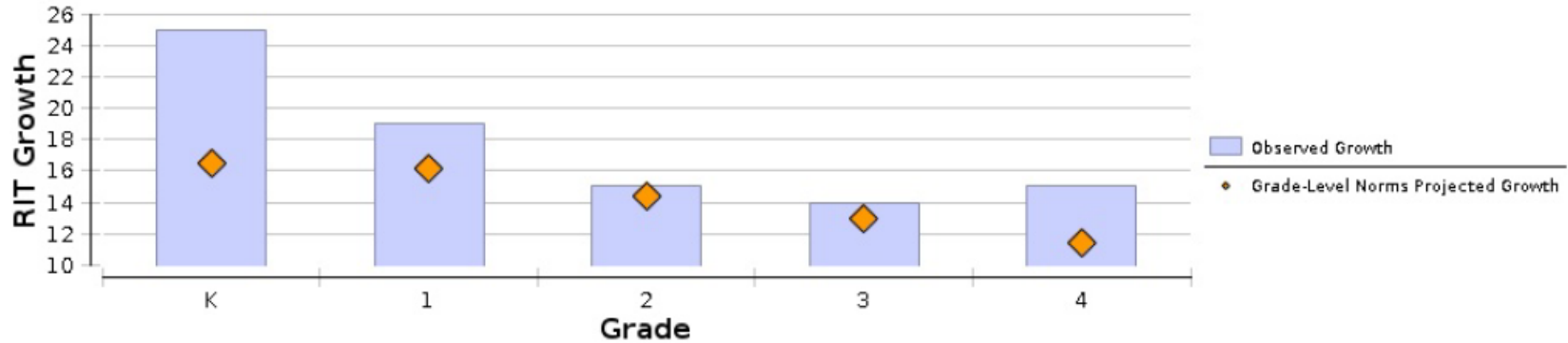
Aristotle Math Growth

Liberty Common West

Math: Math K-12

Grade (Spring 2023)	Total Number of Growth Events‡	Comparison Periods						Growth Evaluated Against									
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms				
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile	
K	45	146.5	7.9	90	171.6	10.6	99	25	1.1	16.5	3.82	99	45	40	89	91	
1	43	165.8	9.0	84	184.9	7.1	91	19	1.1	16.2	1.16	88	43	31	72	62	
2	34	181.7	12.6	87	196.8	8.8	88	15	1.1	14.4	0.30	62	34	17	50	53	
3	32	195.4	9.5	88	209.2	7.0	89	14	1.3	12.9	0.42	66	32	23	72	59	
4	34	207.0	12.9	87	221.5	12.6	93	15	1.0	11.4	1.55	94	34	26	76	69	

Math: Math K-12



Aristotle Reading Growth

Liberty Common West

Language Arts:
Reading

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against									
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms				
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile	
K	0	**			**			**						**			
1	0	**			**			**						**			
2	34	184.2	18.6	97	202.7	11.4	99	19	1.6	13.6	1.96	97	34	28	82	83	
3	33	197.5	13.3	94	208.4	10.1	94	11	1.2	10.0	0.41	66	33	24	73	58	
4	34	208.9	11.9	95	216.8	11.4	95	8	1.1	7.5	0.21	58	34	20	59	55	

Language Arts: Reading



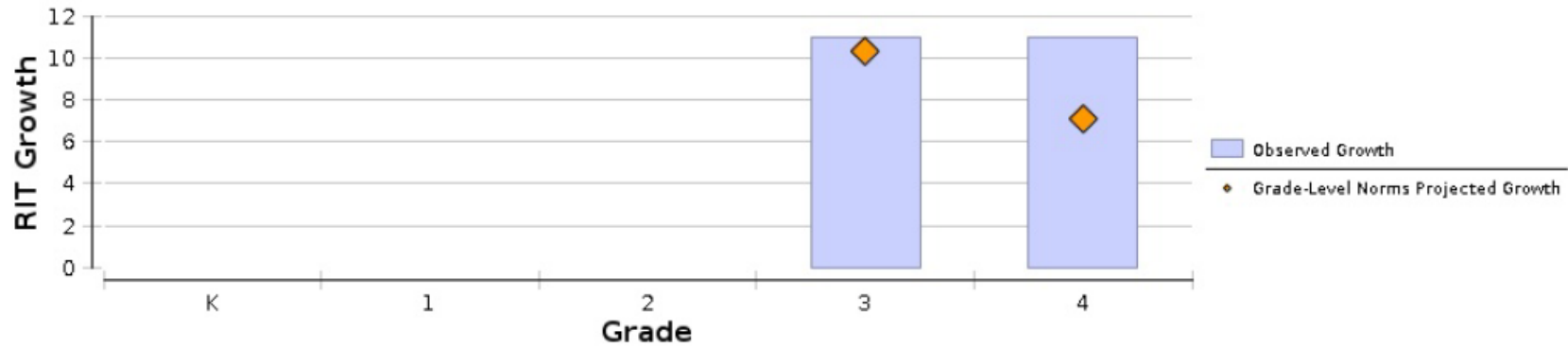
Aristotle Language Usage Growth

Liberty Common West

Language Arts:
Language Usage

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against									
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms				
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile	
K	0	**			**			**						**			
1	0	**			**			**						**			
2	0	**			**			**						**			
3	32	196.9	10.9	92	208.1	8.8	93	11	1.3	10.3	0.47	68	32	22	69	63	
4	34	206.7	10.5	92	217.4	9.1	97	11	1.0	7.1	2.13	98	34	27	79	80	

Language Arts: Language Usage



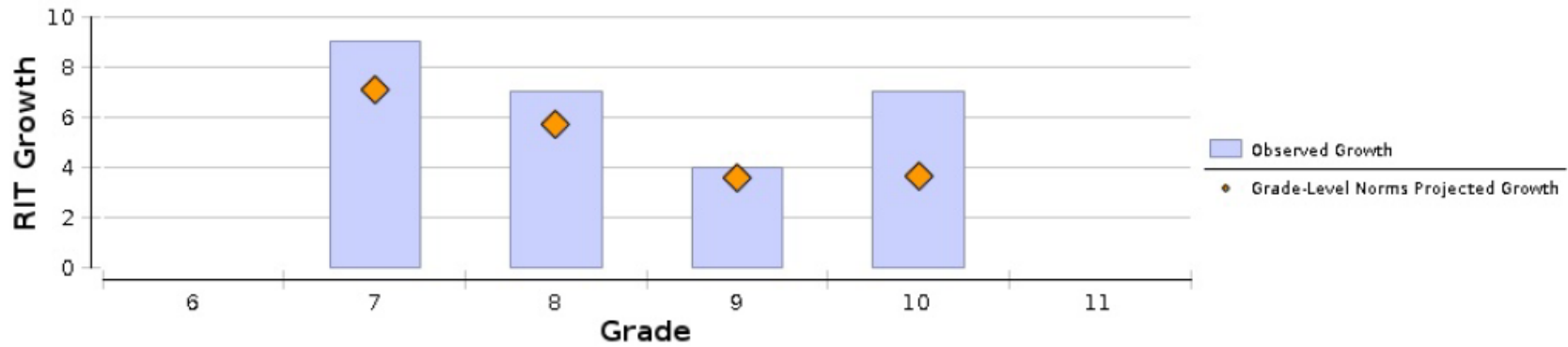
LCHS Math Growth

Liberty Common High School

Math: Math K-12

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against								
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms			
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile
6	0	**			**											**
7	92	233.8	11.3	94	242.6	10.9	96	9	0.7	7.1	0.83	80	92	59	64	65
8	87	245.4	14.3	98	252.7	16.7	99	7	0.7	5.7	0.66	75	87	63	72	67
9	90	247.7	15.6	98	251.8	15.9	98	4	0.7	3.6	0.27	60	90	54	60	58
10	89	256.1	14.1	99	262.6	15.6	99	7	0.7	3.6	1.42	92	89	68	76	65
11	1	*			*			*								*

Math: Math K-12



LCHS Reading Growth

Liberty Common High School

Language Arts:
Reading

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against									
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms				
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile	
6	0	**			**				**				**				
7	92	226.9	10.6	96	229.8	9.8	94	3	0.6	3.6	-0.40	34	92	48	52	48	
8	87	232.8	12.1	97	234.9	12.0	96	2	0.8	2.9	-0.40	34	87	44	51	50	
9	91	234.7	12.0	95	237.2	11.3	96	3	0.7	1.7	0.38	65	91	52	57	59	
10	90	240.6	9.5	99	243.9	9.9	99	3	0.7	1.3	1.23	89	90	54	60	63	
11	1	*			*			*					*				

Language Arts: Reading



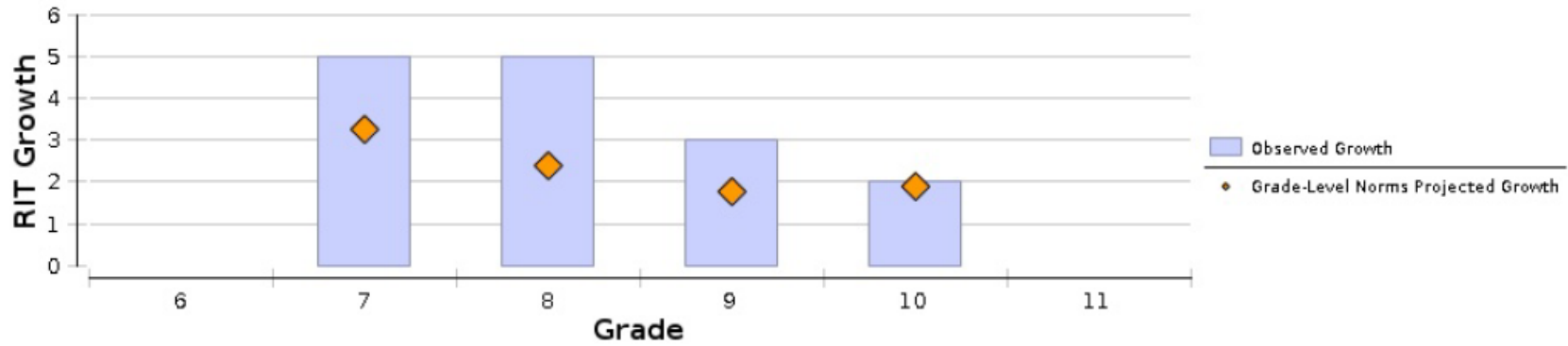
LCHS Language Usage Growth

Liberty Common High School

Language Arts:
Language Usage

Grade (Spring 2023)	Total Number of Growth Events†	Comparison Periods						Growth Evaluated Against									
		Fall 2022			Spring 2023			Growth		Grade-Level Norms			Student Norms				
		Mean RIT Score	Standard Deviation	Achievement Percentile	Mean RIT Score	Standard Deviation	Achievement Percentile	Observed Growth	Observed Growth SE	Projected School Growth	School Conditional Growth Index	School Conditional Growth Percentile	Number of Students With Growth Projections	Number of Students Who Met Their Growth Projection	Percentage of Students Who Met Growth Projection	Student Median Conditional Growth Percentile	
6	0	**			**									**			
7	92	227.7	8.9	99	232.5	8.8	99	5	0.7	3.2	1.16	88	92	61	66	69	
8	87	234.4	11.7	99	238.9	11.4	99	5	0.7	2.4	1.44	93	87	58	67	66	
9	91	234.6	9.9	99	237.4	11.0	99	3	0.7	1.8	0.74	77	91	53	58	65	
10	90	240.0	9.1	99	241.8	15.6	99	2	1.3	1.9	-0.05	48	90	52	58	63	
11	1	*			*			*					*				

Language Arts: Language Usage



Student Growth for CMAS

The Aristotle Campus did not have any CMAS growth results since this was the first year of testing. Two years of testing are needed to show growth.

SUBJECT	EMH_LEVEL	GR	CATEGORY	SUBCATEGORY	N_COUNT	MEDIAN_SGP_COHOR	MEDIAN_SGP_BASELIN	TOTAL_TEST_PART_DI	TOTAL_TEST_PART_NM	TOTAL_TEST_PART_PCT
MATH	All EMH Levels	04	ALL STUDENTS	All Students	114	57.0	55.0	132	132	100.0%
ENGLISH LAI	All EMH Levels	04	ALL STUDENTS	All Students	114	64.5	58.0	132	132	100.0%
MATH	All EMH Levels	05	ALL STUDENTS	All Students	85	41.0	47.0	89	88	98.9%
ENGLISH LAI	All EMH Levels	05	ALL STUDENTS	All Students	84	50.0	58.5	89	87	97.8%
MATH	All EMH Levels	06	ALL STUDENTS	All Students	74	58.5	62.0	84	84	100.0%
ENGLISH LAI	All EMH Levels	06	ALL STUDENTS	All Students	74	47.0	49.5	84	84	100.0%
MATH	All EMH Levels	07	ALL STUDENTS	All Students	77	58.0	55.0	92	92	100.0%
ENGLISH LAI	All EMH Levels	07	ALL STUDENTS	All Students	75	31.0	30.0	92	90	97.8%
MATH	All EMH Levels	08	ALL STUDENTS	All Students	73	28.0	34.0	87	83	95.4%
ENGLISH LAI	All EMH Levels	08	ALL STUDENTS	All Students	75	48.0	51.0	87	83	95.4%
MATH	Middle School	ALL	ALL STUDENTS	All Students	224	51.0	51.0	263	259	98.5%
MATH	Elementary School	ALL	ALL STUDENTS	All Students	199	51.0	53.0	343	340	99.1%
MATH	All EMH Levels	ALL	ALL STUDENTS	All Students	423	51.0	53.0	606	599	98.8%
ENGLISH LAI	Middle School	ALL	ALL STUDENTS	All Students	224	44.0	45.0	263	257	97.7%
ENGLISH LAI	All EMH Levels	ALL	ALL STUDENTS	All Students	422	51.5	51.0	606	596	98.3%
ENGLISH LAI	Elementary School	ALL	ALL STUDENTS	All Students	198	61.0	58.0	343	339	98.8%

* MGP COHORT: The statewide median growth percentile (MGP) resets each year to 50. This is the approach that the state has historically used. Because it is norm-referenced against the current cohort of students, major changes in statewide trends may be masked.

* MGP BASELINE: Compares current student progress against previous-year expectations so MGPs can vary above and below 50, indicating whether students made more or less progress than historical peers. This approach

SAT SUITE: This year's seniors scored a remarkable 1267 average on the SAT, earning the 2nd highest average score in the state of Colorado. Our PSAT 10 scores and the PSAT 9 scores were also excellent. We continue to use the data from these assessments to identify struggling students who are below their grade level benchmark in Math or Language. The SAT Suite supplements the NWEA testing with additional diagnostic data.

One of the specific uses of the SAT data is to verify students have met a new graduation requirement from the State of Colorado requiring schools to demonstrate student performance in Math and English through some objective measure, most often through a score of 470/500 on the Language/Math sections of the SAT. Seven LCHS students failed to meet this requirement on the basis of the SAT. Two of those students have left the school, and the remaining five will seek to meet the requirement through a retake of the SAT, taking the ACT or ASVAB, and concurrent enrollment credit in mathematics.

SAT School Day April 2023, 11th grade Scores & Benchmarks

Group	Number of Test Takers	% Test Takers Met Both Benchmarks	% Test Takers Met ERW Benchmark	% Test Takers Met Math Benchmark	Total Score (400-1600)	Section Scores (200-800)	
						EBRW	Math
School	80	89%	99%	89%	1267	633	634
District	1904	46%	71%	47%	1059	538	521
State	55898	34%	59%	35%	989	505	484
Total Group	1079977	28%	52%	30%	961	490	470

PSAT 10 April 2023, 10th grade - Scores & Benchmarks

Group	Number of Test Takers	% Test Takers Met Both Benchmarks	% Test Takers Met ERW Benchmark	% Test Takers Met Math Benchmark	Total Score (320-1520)	Section Scores (160-760)	
						EBRW	Math
School	91	90%	99%	90%	1163	601	561
District	1767	56%	80%	58%	1006	516	490
State	55562	36%	65%	38%	931	476	455
Total Group	246683	32%	59%	34%	909	462	448

PSAT 8/9 April 2023, 9th grade - Scores & Benchmarks

Group	Number of Test Takers	% Test Takers Met Both Benchmarks	% Test Takers Met ERW Benchmark	% Test Takers Met Math Benchmark	Total Score (240-1440)	Section Scores (120-720)	
						EBRW	Math
School	90	86%	97%	88%	1088	544	544
District	1892	63%	81%	66%	974	492	482
State	58303	43%	64%	47%	891	450	441
Total Group	231139	40%	60%	43%	877	443	434

AP EXAMS: Scores were generally quite strong across the 2023 AP tests taken by LCHS students. Scores were in almost every case (physics and drawing being the exceptions) substantially above the national average and students earned hundreds of collective college credits. U.S. Government remains an outlier with an average score lower than 3, but showed an upward trend for the second consecutive year. Dr. Penning's leadership in the course has continued this trend, and it is worth noting the average national score on this exam is a low 2.59. Under his watch, the LCHS average has improved from 9% to 10% above the national average. It is also worth noting that our three new AP offerings provided a variety of results, and we will keep a close eye on the reports from 2023-2024 to identify trends and areas for improvement.

Subject	5	4	3	2	1	Total Students	2022 Average	2023 Average Score	National Average	% +/- Nat'l Avg
2-D Art and Design	1	6	2	0	0	9	4.00	3.89	3.36	16%
3-D Art and Design	0	1	0	0	0	1		4.00	3.07	30%
Art History	5	5	4	0	0	14	3.93	4.07	3.04	34%
Biology	4	3	10	1	0	18	3.71	3.56	3.04	17%
Calculus AB	3	0	1	0	0	4	3.92	4.50	2.99	51%
Calculus BC	13	4	2	1	0	20	4.86	4.45	3.75	19%
Chemistry	1	1	1	1	0	4	3.25	3.50	3.26	7%
Computer Science A	3	8	2	0	0	13	4.60	4.08	3.21	27%
Drawing	0	1	2	0	0	3	4.00	3.33	3.47	-4%
English Lang and Comp	3	4	3	1	0	11	3.55	3.82	2.82	35%
English Lit and Comp	10	10	4	0	0	24	4.40	4.25	3.26	30%
Latin	0	3	0	0	0	3		4.00	2.79	43%
Music Theory	2	2	1	0	0	5	3.80	4.20	3.02	39%
Physics C: Electricity and Magnetism	2	2	2	4	1	11		3.10	3.49	-11%
Physics C: Mechanics	3	1	4	2	1	11		3.27	3.40	-4%
Spanish Lang and Cult	0	3	0	0	0	3	3.25	4.00	3.59	11%
Statistics	3	7	6	4	0	20	3.40	3.45	2.89	19%
US Gov and Pol	0	2	2	3	0	7	2.80	2.86	2.59	10%
US History	6	5	12	7	2	32	3.13	3.19	2.54	26%
Totals	58	61	56	24	4	213	3.82	3.76		20.79%