

Advanced Tech Lab

Chris Winikka winikkc@hsd.k12.or.us

[@centuryhstech](https://twitter.com/centuryhstech) chsweb.org

Units of Study

- Arduino Electronics & Programming
- Robotics

This is a Gamified Class

- XP based grading
- Levels & Leveling up
- Badges for completion of skills
- Games (from time to time)

Grading Scheme

- Uses experience points (XP)
- Is proficiency based
 - based on outcomes
 - based on demonstrated skills
- Is designed to encourage going above & beyond
- Is aligned to a 4.0 grading scale

4.0 Grading Scale

- 4.0 = A+
- 3.7 = A
- 3.5 = A-
- 3.3 = B+
- 3.0 = B
- 2.5 = B-

- 2.4 = C+
- 2.0 = C
- 1.5 = C-
- 1.0 = D
- <1.0 = F

What's my grade?

- 1-3 times per grading period, I will post grades
- This will be relative to top scoring student/s
- Based on 4.0 scale like so
- Actual points may vary

Letter Grades			
Top XP Score:	500		
Base Points:	125		
Letter Grade	Grade Point Scale	% of Max Pts.	Points Needed
A	4	100%	500
A-	3.7	92.5%	462.5
B+	3.3	82.5%	412.5
B	3	75%	375
B-	2.7	67.5%	337.5
C+	2.3	57.5%	287.5
C	2	50%	250
C-	1.7	42.5%	212.5
D+	1.3	32.5%	162.5
D	1	25%	125
D-	0.7	17.5%	87.5
F	0.3	7.5%	37.5
N/A	0	0%	0

Level Up

- Would be running throughout the entire course
- Does not directly align with final course/semester grades

Level Up Gaming Scheme		Select Another Scheme
Name:	Range:	
4.0 Demi-god	100%	to 68%
4.0 Titan	< 68%	to 64%
4.0 Epic	< 64%	to 60%
4.0 Legend	< 60%	to 56%
3.9 Champion	< 56%	to 52%
3.8 Hero	< 52%	to 48%
3.7 Paladin	< 48%	to 43%
3.6 Lord	< 43%	to 38%
3.5 Conqueror	< 38%	to 37%
3.4 Exemplar	< 37%	to 36%
3.3 Knight	< 36%	to 35%
3.2 Defender	< 35%	to 33%
3.1 Protector	< 33%	to 32%
3.0 Veteran	< 32%	to 31%
2.9 Gladiator	< 31%	to 30%
2.8 Freelancer	< 30%	to 29%
2.7 Scrapper	< 29%	to 27%

Typical Points Breakdown

- Participation: 5-10 xp
- Assignments: 10-25xp
- Quizzes: 20-50xp
- Projects & Tests: 50-100xp

My Course Website

- Is on Canvas.instructure.com
- All assignment descriptions, grades, modules, & more are hosted here
- I also include video tutorials for each project
- You can even follow your son/daughter

How to Follow Your Child on Canvas

- Go to <https://canvas.instructure.com/register>
- Click “I am a Parent”
- You’ll need your child’s username and password to follow your child
- You’ll see everything your son/daughter can see

Modules & Badges

- Each module is associated with a digital Badge
- Century HS Technology Department is the issuer
- It goes with the student
- They May wish to track it on badgr.io
- It is based on meeting specific criteria
- it is automatically awarded upon meeting criteria on canvas

Next Courses...

- Programming 1
- Web Design

Contact Information

○ [Canvas.instructure.com](https://canvas.instructure.com)

○ winikkc@hsd.k12.or.us