

WSU PREP

Learn + Explore + Discover + Achieve

STUDENT & PARENT HANDBOOK 2020



**WEBER STATE
UNIVERSITY**

Engineering, Applied Science
& Technology



**WEBER STATE
UNIVERSITY**

College of Science

NORTHROP GRUMMAN



**SORENSEN
LEGACY
FOUNDATION**



BAE SYSTEMS
INSPIRED WORK



WADMAN
CORPORATION



**RAY & TYE
NOORDA
FOUNDATION**



Davis School District

Learning First



**WEBER
SCHOOL DISTRICT**
Preparing Students for Success



**GARDEN
SCHOOL DISTRICT**

Empowering Excellence Through Education

SCHEDULE

Dates: June 2 - July 16, 2020

Facilities: All program activities, except for field trips, will be held at Weber State University's Ogden Campus.

Year One Schedule

8:40 – 8:50Roll Call
9:00–9:50Career
Awareness Speaker
10:00–11:15Class # 1
11:20–12:10Lunch
12:25–1:30Class # 2
1:35-2:50Class # 3

Years Two and Three Schedule

8:40–8:50Roll Call
9:00–9:50Career
Awareness Speaker
10:00–11:15Class # 1
11:20-12:35Class # 2
12:40-1:30Lunch
1:35-2:50Class # 3

Name tags will be handed it out at Roll Call and must be worn on campus the entire day and returned to the student's PA at dismissal time.

Important Dates to Remember:

May 28 **Year 1** Family BBQ - 5:30-7:00 p.m. at WSU Shepherd Union Bell Tower
July 3 **Holiday, No Classes**
July 10 Sci-TECH Expo at UVU (**Drop off 7:15 am, Pick up 4:30 pm**)
July 16 Closing Celebration (**6:30 pm- 8:15 pm**)

Supplies: Lunch (or lunch money), Backpack, pens/pencils, sunscreen, and reusable water bottle. Only plain water is allowed in the classrooms.

CONTACT NUMBERS

PREP Office:	Mon-Thurs	801-626-7553/801-626-7552	
Site Coordinator:	Kaytlin Davis		kaytlindavis1@mail.weber.edu
Asst. Program Manager:	Bre Campbell	801-979-0227	breannacampbell@weber.edu
Program Manager:	Dana Dellinger	850-499-0023	danadellinger@weber.edu



I CURRICULUM OVERVIEW

YEAR 1

- **Logic and Its Application to Mathematics:** compound statements, truth tables, elementary set theory, Boolean algebra and switching networks.
- **Introduction to Engineering:** introduction to the engineering profession, measurements, simple mechanics, work-energy and engineering design, in-class laboratory demonstrations of engineering principles, and team designs of bridges, robots and more.
- **Topics in Problem Solving 1:** experiences with problem solving as a method of inquiry and application so that students can use problem solving approaches to investigate and understand mathematical content, formulate problems, develop and apply a variety of strategies to solve problems, verify and interpret results, generalize solutions and strategies to new problem situations, and acquire confidence in using mathematics meaningfully.

YEAR 2

- **Algebraic Structures:** study of groups, rings and fields using systems of integers and rational numbers as models, derivation of algebraic properties of these systems, and cryptography.
- **Introduction to Physics:** mechanics-units and physical quantities, equilibrium of a particle, motion of a straight line, Newton's Second Law, motion in a plane, work and energy, inertia and momentum, Electricity and Magnetism-Coulomb's Law, electric field, potential, direct current circuits, magnetic fields, capacitors in series and parallel.
- **Topics in Problem Solving 2:** Numerous and varied experiences with problem solving as a method of inquiry and application so that students can: use problem solving approaches to investigate and understand mathematical content, formulate problems, develop and apply a variety of strategies to solve problems, verify and interpret results, generalize solutions and strategies to new problem situations, and acquire confidence in using mathematics meaningfully.

YEAR 3

- **Probability and Statistics:** basic probability theory- counting procedures, addition and multiplication rules, independence, probability models- binomial, Poisson, exponential, and normal, descriptive statistics- tables and charts, measures of center and spread, analytical statistics- confidence intervals for means and proportions, tests of hypothesis for means and proportions, simple regression, how to collect, organize, and evaluate data, analyze, conjecture, and build arguments based on data analysis, ability to sort, analyze, and interpret numerical data using statistical software.
- **Technical Writing:** clear and persuasive technical reports using word processing software and graphic techniques, original research, logic, invention, assessment of purpose and audience, organization and development, revision, editing, style, grammar, and mechanics.
- **Computer Science:** Students will experience the Software Development Life Cycle and learn important programming aspects as they storyboard, design and code their own computer game and Hummingbird robots.

ALL YEARS

- **Career Awareness Presentations:** local industry leaders, business professionals, scientists, professors, etc. will give 45-minute presentations to the students to encourage them to pursue careers in STEM (Science, Technology, Engineering, and Mathematics) fields by providing information about the actual occupation, the career path, necessary schooling, etc.



GRADING POLICY

All quizzes, tests, and assignments will be assessed to determine the student's overall grade for each course. **If a student has an overall failing average of all of his/her classes, that student will not be invited to return for WSU PREP the following year.** Grades will be distributed after the program ends. Each course has an instructor and an assigned Program Assistant (PA) available to help students with assignments and coursework.

II BEHAVIOR

STUDENT CODE OF CONDUCT

WSU PREP is dedicated to providing an excellent summer program for high-achieving 7th, 8th, and 9th grade students. To accomplish this goal students are expected to behave responsibly at all times to promote a safe, fun, and healthy environment for all participants.

WSU PREP students are expected to:

- Wear appropriate clothing and shoes to WSU PREP each day (see Dress Code below).
- Participate in all activities including class work, projects, and any homework assignments.
- Be on time each day and ready to participate.
- Follow Teacher/Program Assistant (PA) instructions.
- Use computers, internet, and supplies appropriately.

Safety

- Be aware of surroundings at all times.
- Pay attention to instructions and directions given by leaders.
- Stay with assigned group and Program Assistant (PA) at all times.

Dress Code

- Clothes that reveal midriffs, undergarments, or have low neck lines are not allowed.
- Clothing should not contain inappropriate words or pictures.
- Shorts can be worn but must be long enough to have fingertips touch the hem when standing up
- Friday field trips: WSU PREP t-shirt must be worn with closed toed shoes

CORRECTIVE MEASURES

Corrective measures used will be dependent upon the nature of the behavior, the frequency, and the degree to which the student is willing to try to correct undesirable behavior. With the exception of serious violations of the Student Code of Conduct, corrective measures will normally begin at a minimal level and then proceed to more serious levels. Most behavior concerns will be handled in the following manner:

1. Verbal warning.
2. Written warning and parents will receive a phone call.
3. After a written warning a student and parent meeting with the Program Manager will be scheduled.
4. A warning that occurs after a parent meeting will result in the student's dismissal from WSU PREP.

III HEALTH AND SAFETY

COMMUNICABLE DISEASES

For the health of all our participants, parents are required to notify the WSU PREP director of all communicable diseases your child may have contracted (i.e. chicken pox, head lice, pinkeye, etc.). Specific information will be kept confidential, however, WSU PREP must notify all participants of the situation.



MEDICATION

The legal issues involved with students taking prescribed medication while at WSU PREP prevent our staff from storing or distributing medications (**including administering EpiPens**). Please make arrangements for the student to schedule taking their medication before or after attending WSU PREP. **If your child requires medication during the program hours, please inform staff.**

SPECIAL NUTRITION NEEDS AND ALLERGIES

Please make sure that students are aware of their individual nutrition needs and allergies. Parents should inform WSU PREP staff if needs are serious. These needs can be printed on the back of the student's ID badge, if necessary.

SICK STUDENTS

Students who arrive sick or begin to feel sick at any time during WSU PREP will be asked to sit in the Outreach office until parents are able to pick up the student. Parents will be notified via phone call of their child's condition.

FIRST AID/911

If a student is injured while attending WSU PREP an incident report will be filled out and parents notified. In the event of a serious injury 911 will be called, first aid will be administered, and parents will be notified immediately. **WSU PREP will not transport any student in a personal vehicle. An ambulance will be called in the event of an emergency.** WSU is not responsible for medical costs including hospital bills, ambulance fees, etc. related to injuries requiring special medical attention.

STUDENT SUPERVISION

Under no condition are students allowed to wander off on their own on WSU campus during WSU PREP program hours. Once the student is checked in to the program each day, he/she will be required to stay with the group to which he/she is assigned. Leaving the assigned group may result in dismissal from the program. If the student is considered missing, WSU PREP staff will notify parents to come to campus to assist in the search of the missing student. Campus police will be notified and an incident report will be written and filed by WSU campus personnel.

IV. ATTENDANCE AND TRANSPORTATION POLICIES

ATTENDANCE

Because of the difficulty of the material being taught it is advised that students do not miss any days of PREP, however, each child will be allowed **four excused absences**. To excuse an absence please email one of the Site Coordinators (Kaytlin Davis or Bre Campbell) or give a written note signed by the parent/guardian to a PA.

TRANSPORTATION

Each student is responsible for his/her own transportation to and from WSU PREP each day. Parents can drop off students from 8:35 - 8:50 and pick up students from 3:00- 3:15. Staff members will be at the drop off location to meet the students each morning, and stay with the students in the afternoon until 3:15. There will be no supervision prior to 8:35 am or after 3:15 pm.

DIRECTIONS TO DROP OFF AND PICK UP LOCATIONS

Students should be dropped off and picked up in the designated area in Parking Lot A2. WSU Ogden Campus maps may be found at <http://www.weber.edu/WeberStateMap/OgdenCampusMap.html>.

MID-DAY PICKUP

Students may be picked up mid-day if the need arises. Parents can call ahead to inform the staff, and a Program Assistant will accompany them to meet the parent. Parents coming to pick up their students early should park in the A2



Parking lot. **Once parked, the emergency flashers should be turned on, this will ensure that parking services will not ticket your car for 15 mins. Parking is free in the W5 lot all day.**

LATE DROP OFF

A staff member will wait at the drop-off location each morning until 8:50 am. If a student is dropped off after this time, they should proceed to **Career Awareness Classrooms (Mon-Thurs)** and check in with the staff. Please be aware that drop off and pick-up times may change for Friday field trips. Parents and students will be made aware of any changes. **It is essential to arrive on time for field-trips so that your child does not miss the bus.**

V OTHER INFORMATION

CELL PHONES

Students may bring a cell phone for emergency use. Phones may only be checked during break periods. **If phones are accessed during instruction times, the student's phone will be taken and returned at the end of the day.** WSU PREP students are encouraged to exercise responsible behavior while engaged in this program. If you need to speak to your child immediately due to an emergency, please call the contacts on page 1.

LUNCH TIME PROCEDURES

WSU PREP students will have a 50 minute lunch break each day (11:20-12:10 pm or 12:40-1:30 pm) at the Bell Tower and in the Student Union. Students may bring their own lunch or buy lunch on campus. There is no refrigerator/microwave available for lunches. Students are expected to remain in designated areas with Program Assistants.

FIELD TRIP/SPECIAL EVENTS SCHEDULE

Field trips and special events will be held on **Fridays**. Students should be dropped off and picked up at the normal times unless notified otherwise. **Students should pack their own lunch on field trip days unless otherwise notified. Students are required to wear their 2020 WSU PREP t-shirts, closed toed shoes, and bring a water bottle. We also highly recommend sunscreen and a hat for outdoor field trips.**

