

State Center Community College District
Reedley College Science Building - Science
Location: Reedley College, PCR – 3:00 PM
Date: 6/21/2017

Darden Project No. 1720

Next Meeting to be held on: TBD

Meeting Minutes No. 1

Programming

Science Programs to be served by the project:

- Chemistry
- Biology
- Physics
- Physical Science
- Engineering Studio
- Astronomy
- Geography
- Geology

Chemistry:

- Currently have 1 Lab – 22 Students
- Currently have 1 Lab – 18 Students
- Provide 2 Labs – 32 Students each to be used full time.

Lab – Type of Lab space needed:

- 1 lab for Organic Chemistry with 6 Fume Hoods
- 1 lab for General Chemistry with 3 Fume Hoods, This lab needs more space per student.

- Provide 4 student work stations (2 students work together)
- Prefer station with sink located to provide easy access without reaching across the table.

Provide a Stock/ Prep Room between the 2 Labs

- Provide a fume Hood
- Provide 4 acid storage cabinets
- Provide 2 fireproof cabinets for Hazardous Chemicals
- Provide Dishwasher
- Provide Electric Key Fobs for access to chemical storage for security.

Provide an Instrument Room with good Cooling, High Power, and Clean Power. Room needs to be 1 ½ times larger than the current room.

Consider possible stabilization requirements.

Equipment is all specialty type that is installed by each manufacturer.

Some of the equipment could be moved into the Lab

Some of the equipment may be required to be vented to roof

Gas Cylinders may be required for one piece of equipment.

Provide desk for techs

There are 2 Lab Techs for assisting students on the use of equipment only.

Utilities Required: General Chemistry Lab

1 Gas outlet required for each 2 students

Deionized water

Vacuum at each table

Utilities Required: Organic Chemistry Lab

Provide (1) – Faucet /per student

Provide Gas outlets around room perimeter)

Vacuum at each table

Deionized water

Biology:

Currently have 4 Biology Labs:

3 – General – currently seats 30 - 32 Students each.

1 – Micro – currently seats 21.

Provide 4 Biology Labs.

3 – General –32 Students each.

1 – Micro – 24 students

Lecture – Number of Students to be accommodated – Hours used per week

Need LGI (“Large Group Instruction”) for 100 Students

Lab Service – Type of Lab space needed:

Provide centrally located Prep room for 3 Labs.
Provide Refrigerator in Prep Room
Provide Dishwasher in Prep Room
Verify if Freezer is required.
Provide 1 Prep Room for Micro Biology.
Provide 2 Auto Claves for Biology (relocate 1 existing Auto clave)
Provide Lockable Model Storage. Storage can be located in the classrooms

Utilities Required:

Provide (1) Gas outlet per (2) students
Provide (1) faucet and sink per (2) students.

Physical Science:

Current Physics is adequate in Building 20. Would prefer to combine
Physics and Engineering Studio.
Engineering Studio (potential Sketch) Shannon will send some information.
Physics 1 Lab – 32 Students.
Physics 1 Lecture – 75 Students
Physics 1 Storage Room to match existing space.
Convert Room 75 to Lab.
Provide outlets Power from Floor, not the ceiling. Consider outlets in the side walls.

Provide (3) – Labs – Physics/Geology/ Engineering

Physical Science:

Provide (1) Lab

Astronomy:

Shares Lab with Physics

Geography:

Provide Lecture Classroom to share.

Geology:

To occupy same Lab with Physical Science.

Provide storage for Rock samples
This class also performs computer modeling.

Office Required:

Chemistry - (3) - full time Faculty
Biology - (5) - full time Faculty
Physical Science - (2) - full time Faculty

Summary:

Need Student Waiting areas with USB Charging access dispersed throughout the building so that students are not waiting in the corridors.

Need to consider additional Staff being added in the future

Counselor Office in the new Building

Need a Math Center (existing can be converted into a LGI (Large Group Instruction))
There is a STEM Grant available until 2021, a one year extension can be requested

Sandra wants to insure we all follow what the Bond language stated the money was going to be used for.

~~~*END OF MEETING*~~~

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