


OCTOBER 3, 2025
5:00 - 8:00 PM





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Sustainability in Action

STEM CENTER

AMIGOS DE BOLSA CHICA

Use microscopes to view phytoplankton, microscopic plants that are the source of 50% of the air we breathe and food for the marine animals in the ocean. Learn also about the ecology, plants and animals of the Bolsa Chica Ecological Reserve.

PRESENTERS: Amigos de Bolsa Chica, Jerry Donohue, John Carter



AMIGOS
de
BOLSA CHICA

STEM CENTER

RECYCLING IS FUN!

Learn about how recycling works!

PRESENTERS: Republic Services



REPUBLIC
SERVICES

Sustainability in Action

STEM CENTER

PROTECT THE BEACH

The Surfrider Foundation's Blue Water Task Force (BWTF) is the largest volunteer-run beach water testing program in the country — because no one should get sick from a day at the beach!

PRESENTERS: Surfrider Foundation

STEM CENTER

BUILD A TOWER

Use the techniques of building to create structures using marshmallows and spaghetti.

PRESENTERS: Huntington Beach Rotary C





STEM CENTER

MAKING CLONES OF TREES

You can use grafting to make better and more interesting apples, plums, roses, and avocados.

PRESENTERS: Julie Frink, CA Fruit Growers, HB Rotary Club

STEM CENTER

STEM TRIVIA AND PRIZE WHEEL

Test your STEM knowledge and win a prize!

PRESENTERS: MESA/Raices

STEM CENTER

BUMBLE BEES ARE GOOD FOR THE EARTH

Bumble Bee Atlas training.

PRESENTERS: Xerces Society

Outdoor Patio

PROCESSING A CRIME SCENE

Santa Ana Police CSI create a mock shooting scene where they need to measure shot angles, show how they determine what evidence is collected and how they do it. Orange County Sheriff bloodhound team will be there and discuss how the dog finds suspects and victims. Events scheduled in 20 minute sessions.

PRESENTERS: Mike McCarty, GWC Criminal Justice

Outdoor Patio

HUNTINGTON BEACH FIRE TRUCK

Learn about what it takes to be a firefighter. Please note the fire truck may depart suddenly if needed!

PRESENTERS: HBFD Firefighters

Outdoor Patio

RACE YOUR ENGINES!

Come and see a race car and learn what makes a race engine work!

PRESENTERS: GWC Automotive Dept.

Lobby Entrance

EARN A COOL TREAT

Come turn in your completed Science Nite passport and receive a cool treat (popsicle or ice cream). Please enjoy your treat on your way out. Supplies are limited. Booth opens at 7p.m.

PRESENTERS: Jacob Sherbondy, GWC Biology

100-A Lobby

RIDE A BICYCLE TO GENERATE ELECTRICITY

The harder you pedal, the more you can make the display light up.

PRESENTERS: AES, Huntington Beach



100-B Lobby

FUN WITH ROBOTS

Participate in FIRST Robotics demos from Servite and Marina High Schools. Learn how robots work with hands on activities assisted by Boy Scout Troop 558. Kids will have the opportunity to operate 120lb robots.

PRESENTERS: Servite High School Robotics & Marina High School Robotics, Boy Scout Troop 558



100-C Lobby

OZOBOTS

Ozobots use sensors to follow lines and read color codes made with markers. You can customize their speed, direction, special moves, and more! Ozobots give all people of all ages and coding experience the ability to get hands-on experience with programming.

PRESENTERS: Boys and Girls club of Huntington Valley



BOYS & GIRLS CLUBS
OF HUNTINGTON VALLEY

112

PATTERNS IN PI-DYE

Make a tie dye creation using math.

PRESENTERS: GWC Math department

116

NURSING 101

Measure your blood pressure, make a stress ball, and learn how to swaddle correctly as you learn all about the GWC nursing program.

PRESENTERS: GWC Nursing Dept.

117

SCIENCE IN MOTION

Explore the science behind animation through interactive STEM stations! Activities include creating roll and flip animations and crafting classic optical illusions with Thaumatrope.

PRESENTERS: Girls Inc. of Orange County

152

GLOWING ROCKS!

Come see glowing florescent minerals, rocks, and crystals!

PRESENTERS: Professor Bud Benneman, GWC Geology

155

READ ABOUT SCIENCE TO A FURRY FRIEND

OC Animal Allies Therapy/Canine Literacy dogs are great listeners and are ready to learn about science as you read to them.

PRESENTERS: Orange County Animal Allies Therapy Dog Teams



200-A

SHARK SHACK

The Shark Shack aims to build an appreciation for sharks by reducing fear and informing the public about sharks and other marine life they may encounter at the beach. Come learn all about the amazing animals we share our oceans with and check out some examples of the technology we use to study them!

PRESENTERS: CSULB Shark lab



200-C

SOCCERBOTS

Soccerbots was developed using LEGO EV3 Mindstorms, enabling participants to play a tabletop version of soccer. Players control the robots with a standard controller, aiming to score goals against their opponents.

PRESENTERS: Shared Science



213

BONES, BONES, BONES!

Come see our collection of human, hominin, and non-human primate bones!

PRESENTERS: Professor Leah Walden-Hurtgen, GWC Anthropology

📍 215

PARACHUTE SKYDIVER MAKER STATION

At our Skydiver Maker Station students will be challenged to design, create, and test a parachute for a skydiver using upcycled materials.

PRESENTERS: Child Creativity Lab



📍 220

ELECTRIFYING SCIENCE

Tesla coils, helicopters, Wimshurst generator, face paint, cockroaches, and anaglyphs!

PRESENTERS: Westminster MERITS Program, OCSEF Ambassadors, Westminster High School



📍 246

SNAP CIRCUITS

A Snap Circuit activity where participants can create different types of circuits by snapping them together and learning how electricity moves through them.

PRESENTERS: Columbia Memorial Space Center



📍 254

URBAN WILDLIFE

GWC NERD Club presents the role of worms in decomposition, as well as the importance of pollinators (build your own honey bee) and urban predators.

PRESENTERS: Professor Milinda Thompson, GWC Biology

 **261**

MAKING SENSE OF YOUR SENSES

Come and sense the crazy world of the human senses! We have an amazing ability to sense our world through sight, touch, smell, taste, and sound. Sometimes our brain tries to guess what we're experiencing too and can trick us. We'll explore optical illusions, tricks our tongues, ears, and hands play on us, and even do some magic!

PRESENTERS: Professor Denise Fitzpatrick, GWC Biology

 **300**

WHAT IS AN AQUIFER?

See how aquifers store water underground, how groundwater is pumped to the surface for use, and how aquifers are replenished so they can continue supplying water.

PRESENTERS: OC Water District

 **313**

PHYSICS FUN!

Physics and Astronomy experiments for all ages!

PRESENTERS: Professor Gil Vitug, GWC Physics

 **330**

FIREWORKS AND EXPLOSIONS!

Find out just how much energy is in one exploding gummy bear and learn about the chemistry of Fireworks.

PRESENTERS: Professor Kate Green, GWC Chemistry

📍 331

PAINT IS FUN!

Come learn the science of paint! Join Behr Paint Company and explore the chemistry and physics behind paints and colors. You can learn about paint first hand from our scientists and try your hand at making life more colorful.

PRESENTERS: Behr Paint Company

📍 352

SYNTHESIZE SLIME

Non-Newtonian fluid. Make your own slime to take home.

PRESENTERS: Professor Matthew Shimazu, GWC Chemistry

📍 354

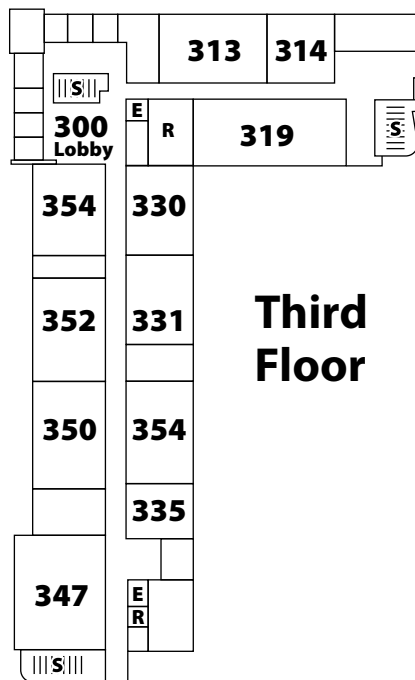
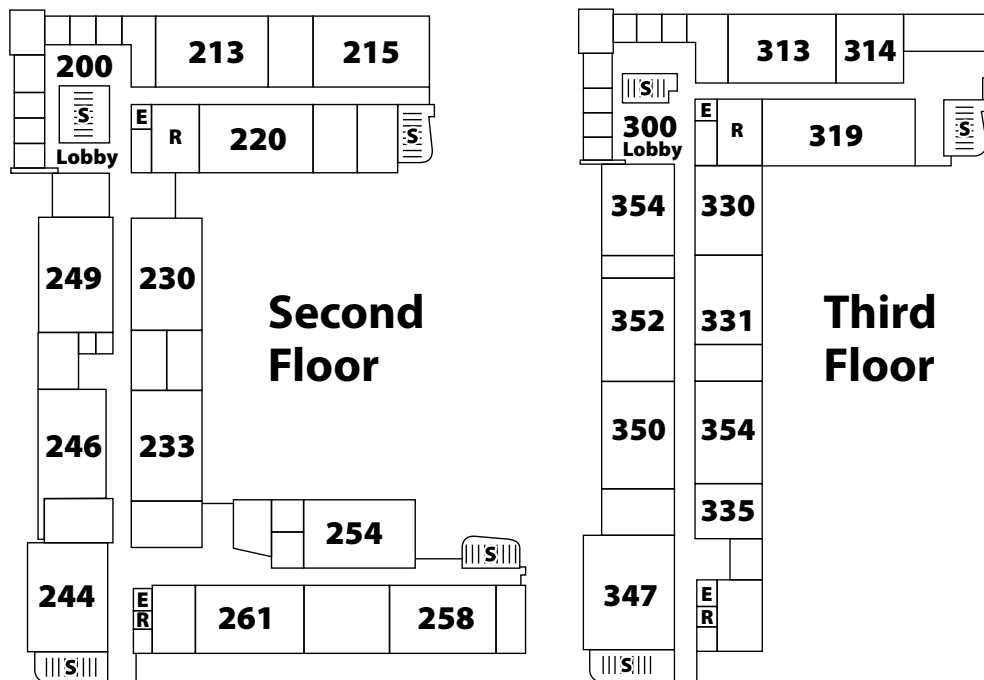
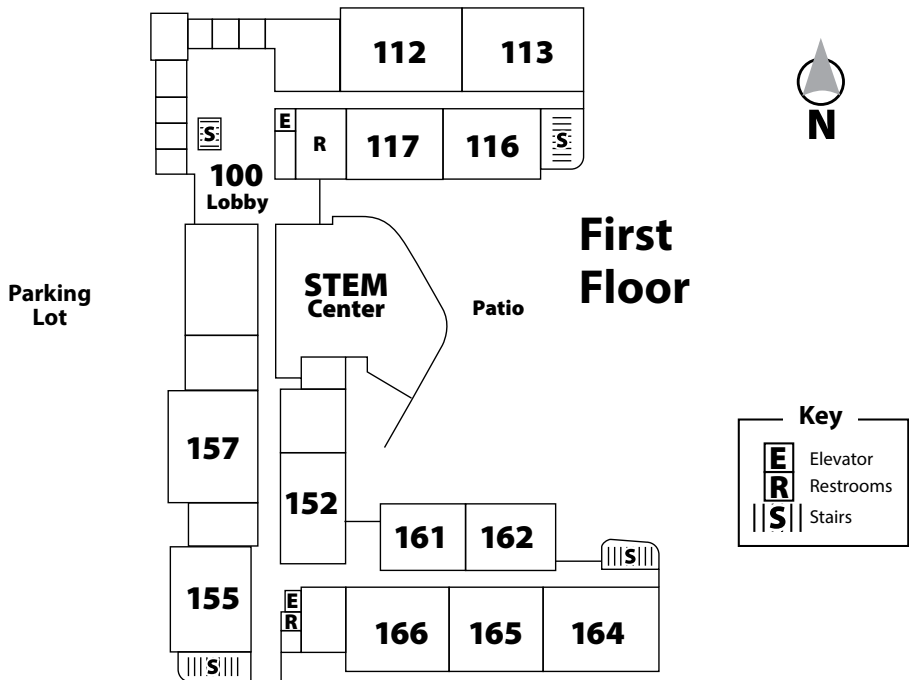
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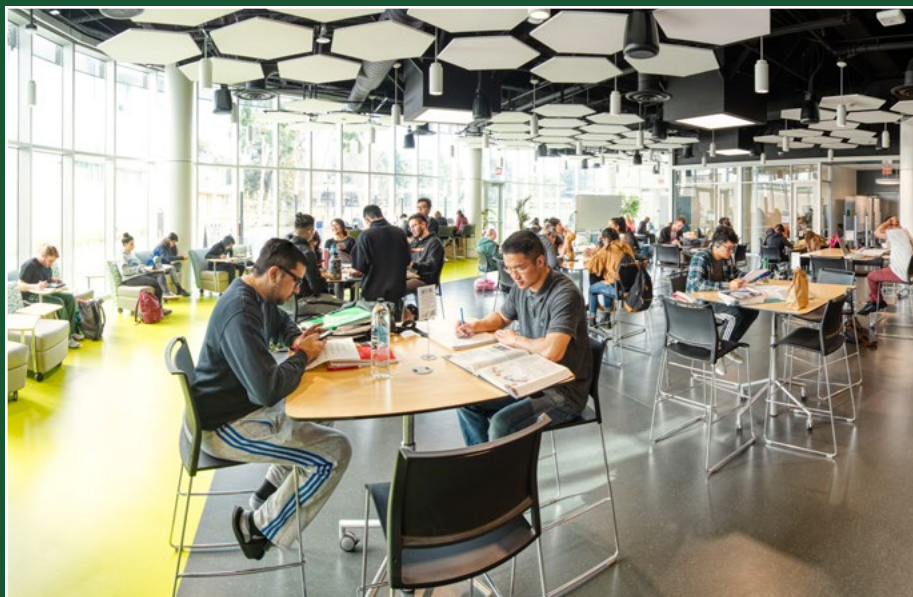
Come make your own sodium alginate worm (similar to a gummy worm), and learn about how polymers are made.

PRESENTERS: Professor Alex Letourneau, GWC Chemistry



MATH & SCIENCE BUILDING





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