



2011 STEM Summer Science Camp Series

Apply online @ JEDC.ORG

- **Sun to Sea**, grades 6-9, June 6-11 • Juneau only
- **Advanced Rocketry**, grades 7-12, July 11-15 • Juneau only
- **Underwater Gliders**, grades 7-9 • Ketchikan, July 25-29 • Juneau, August 1-5
- **Kitchen Chemistry**, grades 4-5, August 9-12 • Juneau only
- **FIRST LEGO Programming**, ages 9-14, Juneau, July 5-8 • Ketchikan, July 11-13

Sun to Sea

Join experts from NOAA to explore the world around us.

Sun to Sea Science Camp offers students the chance to explore the world of wind, weather, waves and more through hands-on learning techniques. We want to show kids what NOAA is all about and how NOAA science affects their lives, whether through protecting the coastal zones and marine life, providing daily weather forecasts, or managing the local fisheries. They'll also see that scientists are 'real' people, and that science can be fun and exciting. What better way to recruit future NOAA scientists!

- Students entering grades 6-9; limited to 14 students
- June 6-11, 8:30 AM to 3:30 PM, NOAA Auke Bay Lab
- Student Tuition \$150
- Register by June 1



FIRST LEGO Programming

Whether you're a beginner or an expert, there's a robotics camp for you. The beginning programming workshop is for folks just starting out. Students in the advanced workshop should all have experience programming with LEGO Mindstorms and should have a solid understanding of move blocks and sensors. If you have any questions about which workshop is right for you, don't hesitate to call Rebecca Parks at 907-523-2334. Available in Juneau and Ketchikan.

- Students ages 9-14
- Juneau: July 5-8, Thunder Mountain High School
BEGINNERS - 9:00 AM to 12:00 PM
ADVANCED - 1:00 PM to 4:00 PM
Limited to 30 students per workshop (students should sign up for either the beginner or advanced workshop)
Coaching Workshop from 6:00-8:00 PM
- Ketchikan: July 11-13, 9:00 AM to 3:00 PM; limited to 20 students
Coaching Workshop from 5:30-7:30 PM
Fawn Mountain ES
- Student Tuition \$60
- Register by June 1



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Advanced Rocketry

For the novice or amateur, if you want to learn how to design your own rockets and reload your own motors, this is the camp for you! Includes design, analysis, testing and building, along with tips and techniques to give your rocket stellar performance.

- Students entering grades 7-12; limited to 20 students
- July 11-15, 9:00 AM to 4:00 PM, Thunder Mountain High School
- Student Tuition \$150
- Register by June 1



Underwater Gliders

Learn from Navy engineers and UAF professors how to build and operate your own underwater glider to collect and analyze aquatic data. Available in Juneau and Ketchikan.

- Students entering grades 7-9
- Ketchikan: July 25-29, 9:00 AM to 4:00 PM, UAS Technology Campus, Robertson R117, 600 Stedman Street
Limited to 12 students
- Juneau: August 1-5, 9:00 AM to 4:00 PM, NOAA Lena Point Lab
Limited to 20 students
- Student Tuition \$150
- Register by June 1



Kitchen Chemistry

Budding young chefs will explore various methods used in cooking food and some of the chemistry involved in food preparation. Why do cakes rise? How is yogurt made? Why is temperature important when you make caramel? Be prepared to put on some weight!

- Students entering grades 4 & 5; limited to 20 students
- August 9-12, 9:00 AM to 1:00 PM, Thunder Mountain High School
- Student Tuition \$50
- Register by June 1

