



Career & Technical Education Programs  
Partnerships & Collaborations

# JSD Career Pathways

Career Pathways - high demand occupations, dual credit courses, connect with postsecondary

## Juneau-Douglas High School

- Architecture, Auto, Construction, Engineering-ACE
- Health Sciences
- Marine Science
- Business & Communications

## Thunder Mountain High School

- Marine & Environmental Sciences
- STEM
- Business & Hospitality
- Digital Arts

# Tech Prep-Dual Enrollment

17 courses are taught in the high schools and aligned with UAS and other UA campuses where students earn dual credit for high school and UA courses/programs

Woods 1, 2

CAD 1

Small Engines

Intro to Health Sci.

Accounting 1, 2

Oceanography

Basic Construction

Metals 1

Auto Mechanics I, II

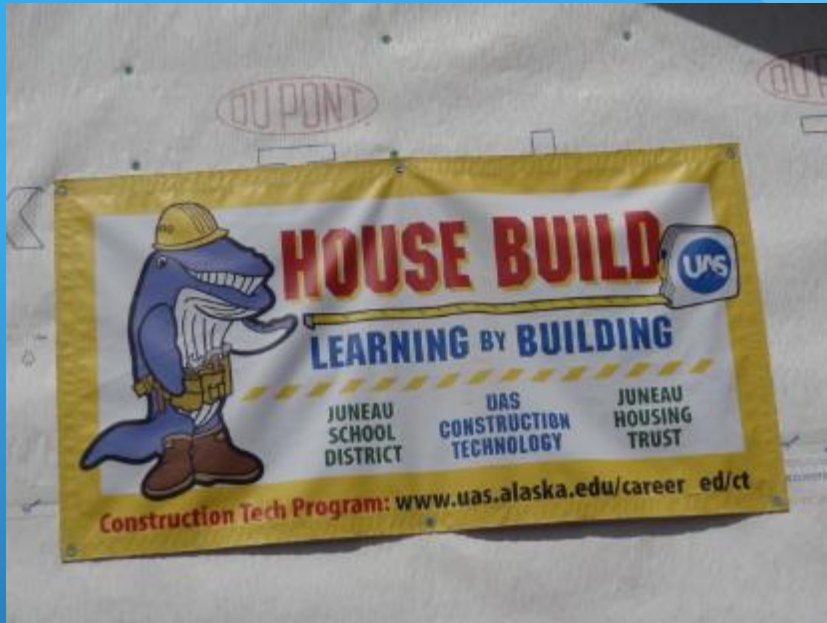
ETT, EMT 1

Marine Biology

Fisheries Tech I, II

# CTE Community Partnerships & Collaborations

- House Build Program - JSD/UAS/Juneau Housing Trust
- CBJ Lands & Community Development
- DIPAC & Alaska Department of Fish & Game
- UAF & TMHS Marine Biology Classes



# House Build Program

- Formal partnership with Juneau School District: JDHS House Build Program, UAS TEC Construction Technology Program, Juneau Housing Trust, and CBJ
- Just completed 7<sup>th</sup> house in the past decade
- Planning to build 7 houses over several years in new subdivision in Lemon Creek area
- [Jdhshouse.blogspot.com](http://Jdhshouse.blogspot.com)

# House Build - 2015-2017



Program Partners:  
JSD, UAS, Juneau Housing  
Trust

Pictured left to right:

- Robin Gilcrist,  
Instructor/House Designer,  
UAS Construction  
Management Program
- Tamara Rowcroft, VP,  
Juneau Housing Trust
- Carin Smolin, JSD CTE  
Coordinator
- Justin Fantasia, UAS House  
Build Instructor/  
Construction Manager

# TMHS Marine Biology



DEM Bones Project: Students engage in the deconstruction and rearticulation of a marine mammal in collaboration with UAF College of Fisheries & Ocean Sciences with Professor Shannon Atkinson

*Funding for this project supported by DIPAC*

# JDHS Fisheries Tech Classes



Students engage in field research with JDHS Fisheries/Science Teacher, Fish and Game & DIPAC Biologists

*Funding for this class supported by DIPAC*



# UAS K-12 Collaborations

- UAS/FAFSA/financial aid presentations to students and parents
- Enrollment days on high school campuses
- Campus visits for elementary, middle and high school students
- Intro to Mining Occupations and Operations Class
- Early Scholars/Heritage Honors
- Native Oratory Contest
- Support for middle school before and after school activity programs
- JSD staff development & training