ENHANCING DIGITAL LEARNING WITH ADAPTIVE COURSEWARE AND OPEN EDUCATIONAL RESOURCES

INTRODUCING AND SCALING SMART SPARROW AT PIERCE COLLEGE

• Tom Broxson
  District Dean, Natural Sciences & Mathematics
Serving Pierce County

Two colleges and a military campus
FALL 2015
DISTRICT ENROLLMENT:

TOTAL STUDENTS
20,230
TOTAL FTE = 8,445

Students may be counted in more than one category below.

- Fort Steilacoom: 6,142
- Puyallup: 6,480
- Military: 3,194
- eLearning: 4,788
- Continuing Education: 1,976
- Contract/Other: 589

FUNDING SOURCES

LOCAL FUNDS 21%
STATE FUNDS 48%
TUITION 31%

TOTAL EMPLOYEES = 1,131
**BY GENDER**

- 61% Women
- 39% Men

**BY INTENT**

- Academic Transfer: 57%
- Workforce Education: 32%
- Basic Skills: 7%
- Other: 5%

**BY ATTENDANCE**

- Part-time: 50%
- Full-time: 50%

**PROGRAMS**

- 2 Bachelor degrees
- 38 Associate degrees
- 44 Professional certificates
- 68 Programs of study

**HIGHEST ENROLLED PROGRAMS:**
- Associate of Arts
- Pre-Nursing
- Business
- Science
- Criminal Justice

**BY RACE/ETHNICITY**

- Caucasian/White: 53.7%
- African American/Black: 10.83%
- Asian/Pacific Islander: 11.3%
- Hispanic/Latino: 3.36%
- Alaska Native/American Indian: 9.73%
- Multi-Race: 1.2%
- Other Race: 1.7%
- Not Reported: 8.07%
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• Important institutional trends
  • Increasing STEM and pre-healthcare enrollments
  • Creation of the Center for Engagement and Learning (CEAL)
    • Instructional Design
    • Integrating Technology
    • Support for Quality Matters integration
    • Focus on active learning pedagogies
  • Focus on faculty use of course level data
  • Community of practice focused on open educational resources (OER)
  • ATD leader college
  • Created a safe space for experimentation
• Introducing and scaling Smart Sparrow
  • Immediate faculty interest
  • Create community of practice
    • focused on technology and student learning to demonstrate the effectiveness of the modules used, sharing data collected, and determining further adoption of Inspark into other courses
  • Pilot biobeyond and habworlds fall of 2016
## INTRODUCING AND SCALING SMART SPARROW AT PIERCE COLLEGE

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Term</th>
<th>Estimated student enrollment (Annual enrolment figures)</th>
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</thead>
<tbody>
<tr>
<td>Survey of Biology (BIOL&amp;100) – hybrid/blended PCJBLM</td>
<td>Pilot Winter 2017 Taught every quarter.</td>
<td>84</td>
</tr>
<tr>
<td>Inquiry Based Science for Teachers (NSCI 300) – hybrid/blended</td>
<td>Pilot Spring 2017 Taught each spring.</td>
<td>24</td>
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<tr>
<td>ASTR&amp;100 - Survey of Astronomy hybrid/blended PCJBLM</td>
<td>Pilot Fall 2016 Taught every quarter.</td>
<td>180</td>
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<tr>
<td>ASTR 105 – Survey of Astrobiology</td>
<td>Pilot Fall 2016</td>
<td>72</td>
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<tr>
<td>ASTR&amp; 115 – Stars, Galaxies, and Cosmos – online PCJBLM</td>
<td>Pilot Fall 2016 Scheduled Quarterly</td>
<td>87</td>
</tr>
<tr>
<td>PHYS&amp;110 - Physics For Non-Science Majors hybrid/blended PCJBLM</td>
<td>Pilot Fall 2017</td>
<td>54</td>
</tr>
<tr>
<td>CHEM 110 Chemical Concepts w/ Lab</td>
<td>Pilot Fall 2017</td>
<td>74</td>
</tr>
<tr>
<td>BIOLG 160</td>
<td>Pilot Fall 2017</td>
<td>96</td>
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