Idaho STEM Action Center
Organizational Meeting
July 22, 2015

STEM Workforce Needs
Workforce - #1 Challenge to Idaho’s Economic Prosperity
Population Trends

Idaho: 1970

Idaho: 2022
Vacancy Rates

Source: The Conference Board Help Wanted OnLine® and IDOL, Communications and Research Division
Wages: STEM vs. All

<table>
<thead>
<tr>
<th></th>
<th>% Above Idaho Median Wage</th>
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<tbody>
<tr>
<td>STEM1</td>
<td>82.9%</td>
</tr>
<tr>
<td>HealthCare (STEM4)</td>
<td>84.8%</td>
</tr>
</tbody>
</table>

Source: EMSI
STEM 1 Occupations Postings per 1000 people, Jan-April 2015
# STEM 2012-2022 Projections

<table>
<thead>
<tr>
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<th>Employment Annualized Growth Rate</th>
<th>Total Annual Openings (Growth and Replacement)</th>
<th>Median Hourly Wage (Weighted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Occupations</td>
<td>1.51%</td>
<td>26,784</td>
<td>$14.68</td>
</tr>
<tr>
<td>STEM Occupations</td>
<td>1.34%</td>
<td>1,740</td>
<td>$29.19</td>
</tr>
</tbody>
</table>

## Median Wage 2014

- **All Occupations**: $14.68
- **STEM Occupations**: $29.19

## Projected Annual Employment Growth Rate (Annualized 2012-2022)

- **All Occupations**: 1.51%
- **STEM Occupations**: 1.34%
Understanding the 60% Goal

• Impact of technology on the marketplace
• High school of yesterday versus technology-based economy of today
• 60% understates the real need
Projecting Future Needs

• Reconciliation of Supply and Demand
  • INL and related companies
  • Engineers
  • STEM educators

• Impact on Education Funding
  • Higher Education
  • Colleges of Education

• Impact on Economic Growth