Open Professionals Education Network
Helping you meet your grant deliverables

Open4us.org

(1) Sign up for free support @
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(2) Save the date!
OPEN Kick-off Conference will be:
May 30-31, 2012

(3) Tell your project about OPEN!

History

Description of services

Timeline

Questions?

History

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Trade Adjustment Assistance Community College And Career Training Grants

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"OPEN" Consortia will Support __ALL__ DOL TAACCCT Grantees
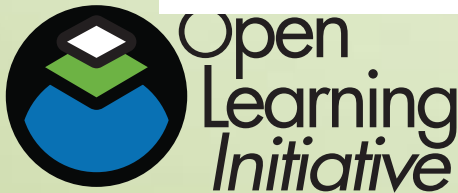
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Biology

Biology is designed for the introductory biology majors course taught at most two- and four-year colleges. The scope, sequence, and level of the program are designed to match typical course syllabi in the market. The project includes latest research findings, a thorough illustration program, and comprehensive discussion of the major themes of biology.

Biology is set to be published in the Fall of 2012. We'll keep adding details to this page as we get closer to publication. Sign up for our newsletter and we'll keep you updated.

Details

ISBN-10

ISBN-13

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For Faculty

- Development Standards
- Request a comp copy (faculty verification required)

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Strengthen Online and Technology-Enabled Learning

- "TAACCCT will support institutions that are committed to using data to continuously assess the effectiveness of their strategies in order to improve their program… and build evidence about effective practice.."

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Ensuring Success Online

- Develop, use, and evaluate learning environments collaboratively.
  (teams of content experts and novices, learning scientists, HCI specialists, software engineers)

- Apply learning science research and scientific method to course development, implementation and evaluation

- Feedback loops for adaptive learning and continuous improvement

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Community Based Approach

Learning Science

Instructional Technology

User Experience

Course Development

Project Managment

Domain Expertise

Software Development

Instructional Design
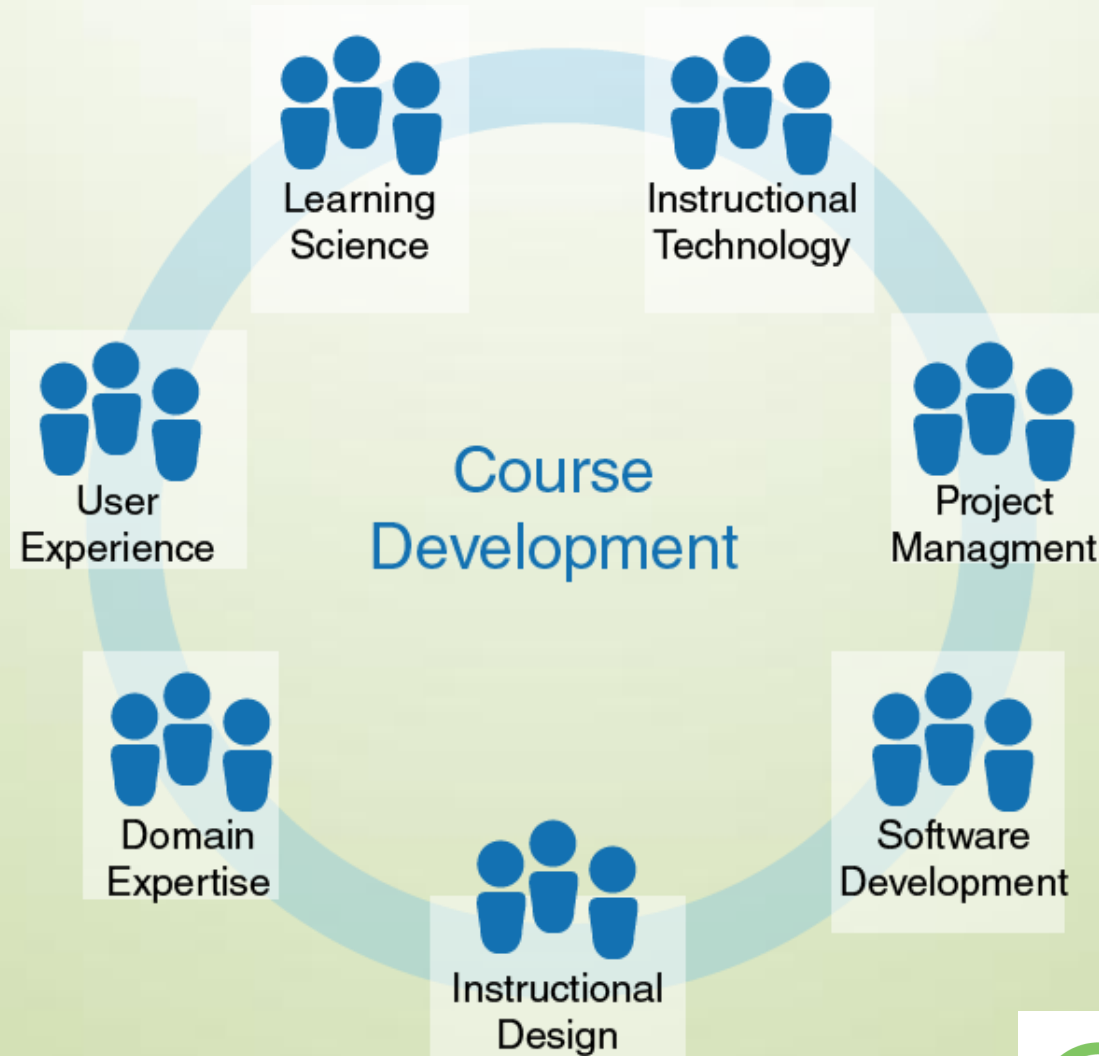
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Powerful Feedback Loops for Continuous Improvement

Instructor activities

Student Learning Data

Science of learning

Course design

Student performance
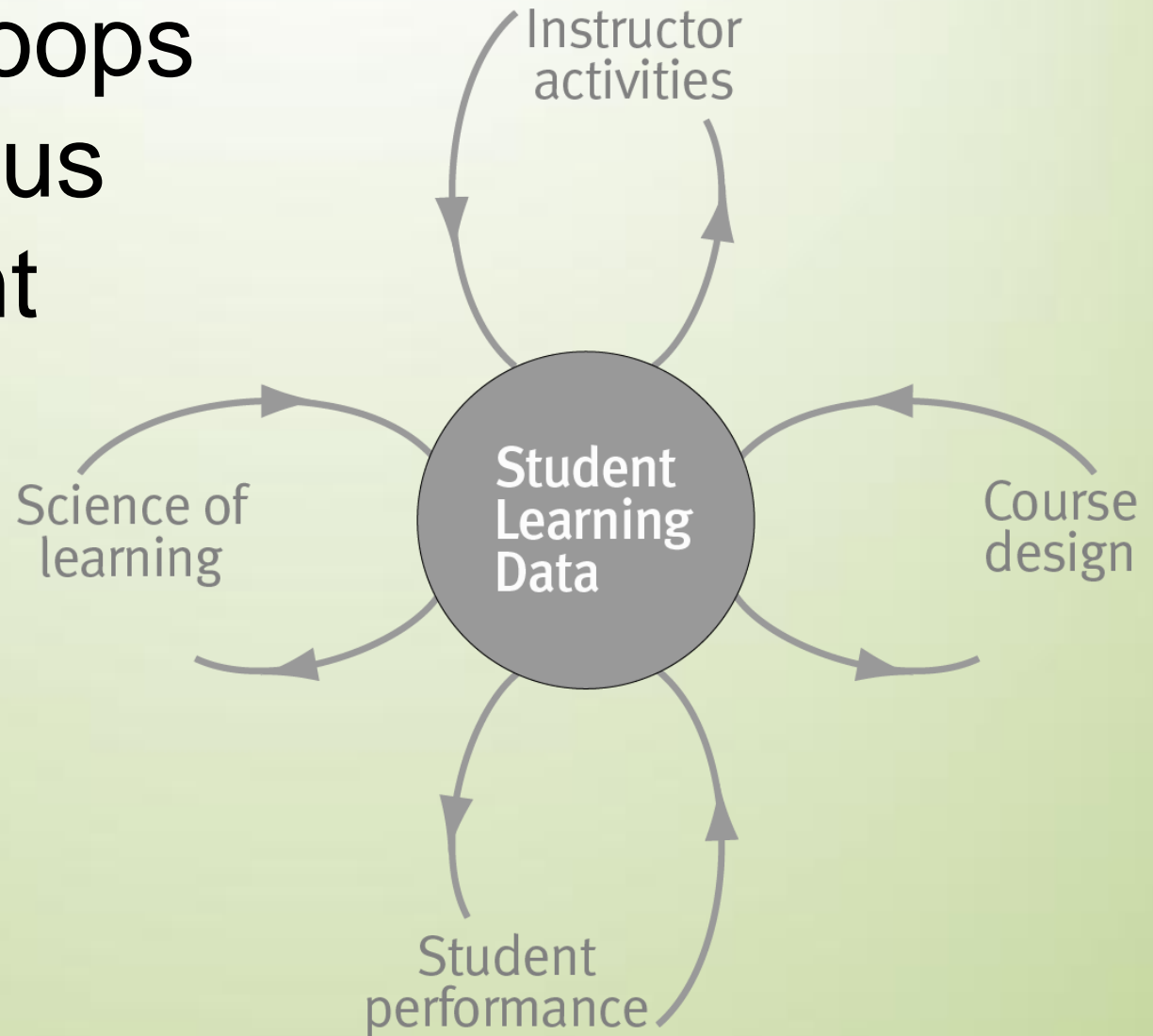
OLI Supported Development:

- Apply learning science research and scientific method to OER development, implementation and evaluation.

- **Platform+ (25 projects):** Use rich data gathered from student interactions to drive multiple feedback loops for continuous improvement.

- **Co-development (3 teams):** Develop OER collaboratively: Teams of TAACCCT grantee SMEs with OLI learning scientists, human computer interaction experts & software engineers.

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Universal Design for Learning

"All online and technology-enabled courses developed under this SGA must incorporate the principles of universal design in order to ensure that they are readily accessible to qualified individuals with disabilities in full compliance with the Americans with Disability Act and Sections 504 and 508 of the Federal Rehabilitation Act of 1973, as amended. "

Universal Design for Learning Guidelines

I. Provide Multiple Means of **Representation**

1: Provide options for perception

1.1 Offer ways of customizing the display of information

1.2 Offer alternatives for auditory information

1.3 Offer alternatives for visual information

2: Provide options for language, mathematical expressions and symbols

2.1 Clarify vocabulary and symbols

2.2 Clarify syntax and structure

2.3 Support decoding of text, mathematical notation, and symbols

2.4 Promote understanding across languages

2.5 Illustrate through multiple media

3: Provide options for comprehension
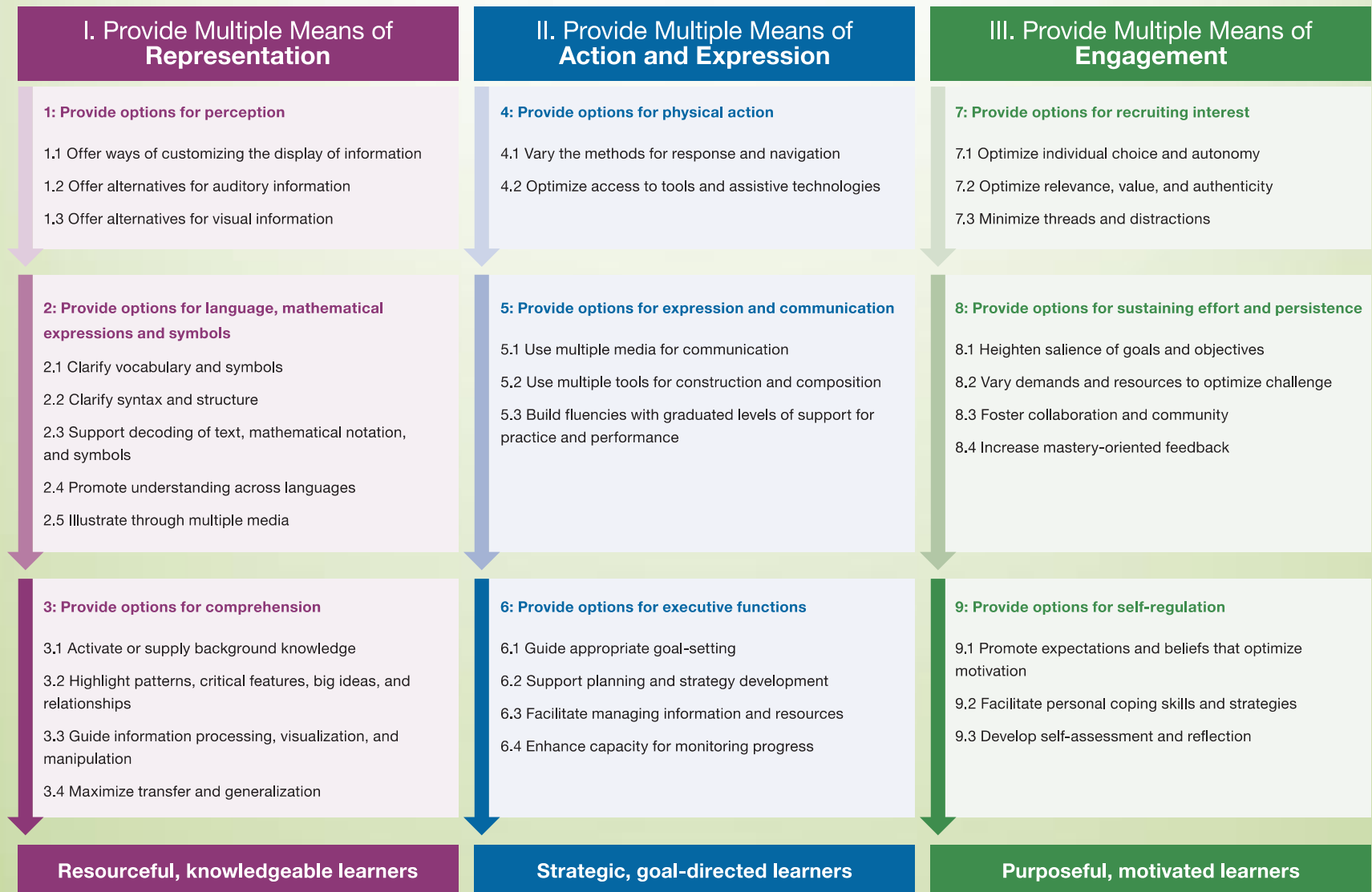
3.1 Activate or supply background knowledge

3.2 Highlight patterns, critical features, big ideas, and relationships

3.3 Guide information processing, visualization, and manipulation

3.4 Maximize transfer and generalization

Resourceful, knowledgeable learners

II. Provide Multiple Means of **Action and Expression**

4: Provide options for physical action

4.1 Vary the methods for response and navigation

4.2 Optimize access to tools and assistive technologies

5: Provide options for expression and communication

5.1 Use multiple media for communication

5.2 Use multiple tools for construction and composition

5.3 Build fluencies with graduated levels of support for practice and performance

6: Provide options for executive functions

6.1 Guide appropriate goal-setting

6.2 Support planning and strategy development

6.3 Facilitate managing information and resources

6.4 Enhance capacity for monitoring progress

Strategic, goal-directed learners

III. Provide Multiple Means of **Engagement**

7: Provide options for recruiting interest

7.1 Optimize individual choice and autonomy

7.2 Optimize relevance, value, and authenticity

7.3 Minimize threads and distractions

8: Provide options for sustaining effort and persistence

8.1 Heighten salience of goals and objectives

8.2 Vary demands and resources to optimize challenge

8.3 Foster collaboration and community

8.4 Increase mastery-oriented feedback

9: Provide options for self-regulation

9.1 Promote expectations and beliefs that optimize motivation

9.2 Facilitate personal coping skills and strategies

9.3 Develop self-assessment and reflection

Purposeful, motivated learners

CAST

Assistance with open policy, performance-based funding, and open content development and sharing

SBCTC Open Policy—an example

All digital software, educational resources and knowledge produced through competitive grants, offered through and/or managed by the SBCTC, will carry a Creative Commons Attribution License.

– http://www.sbctc.edu/general/admin/Tab_9_Open_Licensing_Policy.pdf

SBCTC Open Course Library

- SBCTC is developing open content for the 81 most common courses offered at Washington state's 34 community and technical colleges.

- Both the content and the processes are OPEN

http://opencourselibrary.org

Professional Development Opportunities

- For college leadership and trustees
  - How to create and support open and performance-based funding policies
  - How to encourage adoption of open content
- For faculty
  - How to find and create open content
- For staff
  - How to support and manage open content

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