



the world's open source
learning platform

How to build a great Moodle course (or nearly anything, really)

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Director of Moodle Pty Ltd

@moodler

#mootjp15

Difference

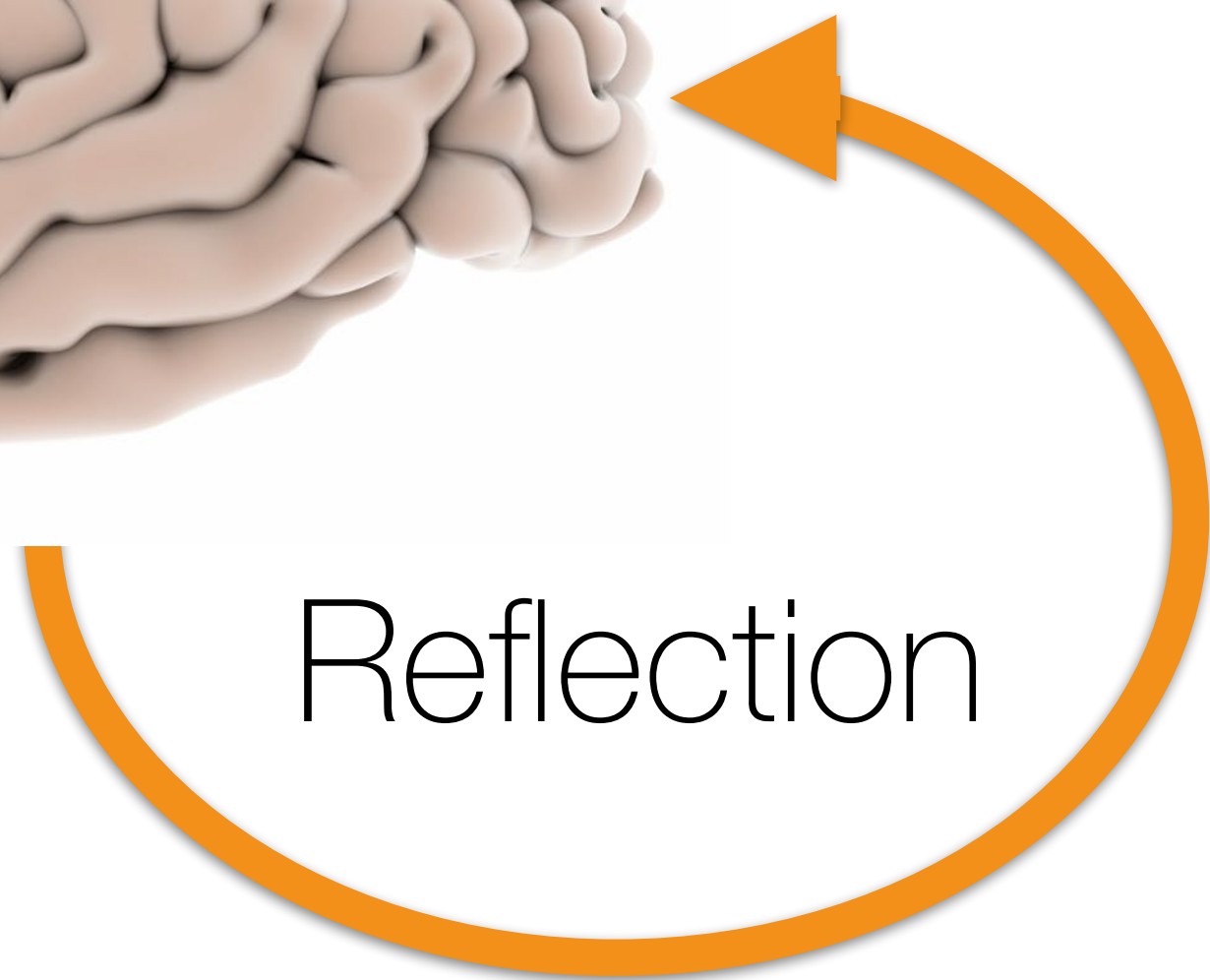
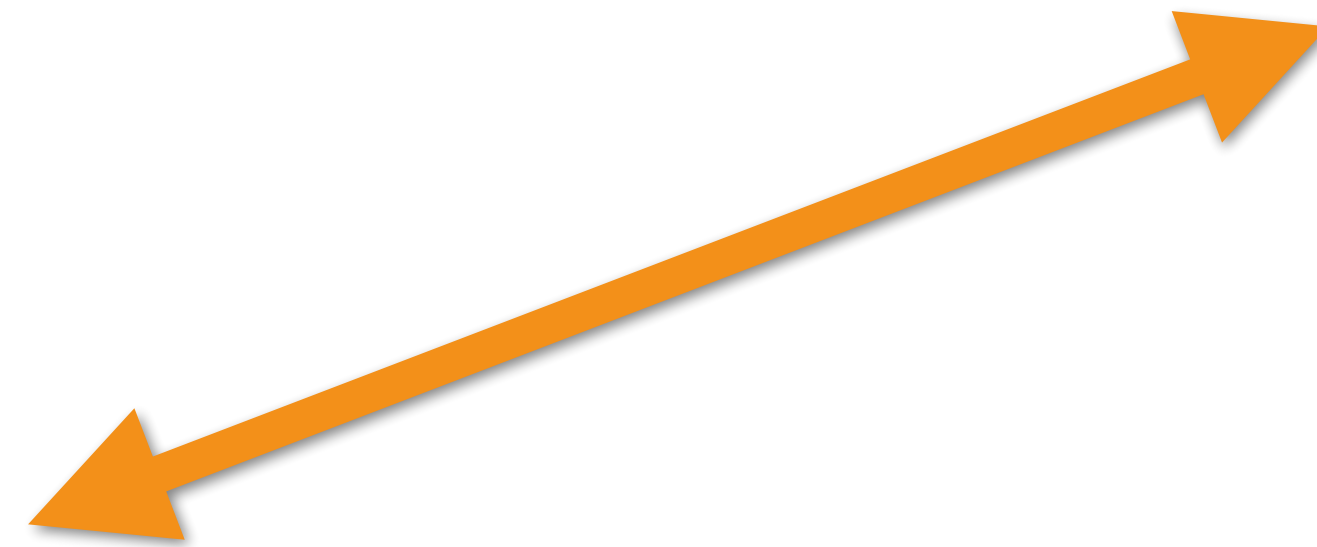


Same brain



Interactions

Other people

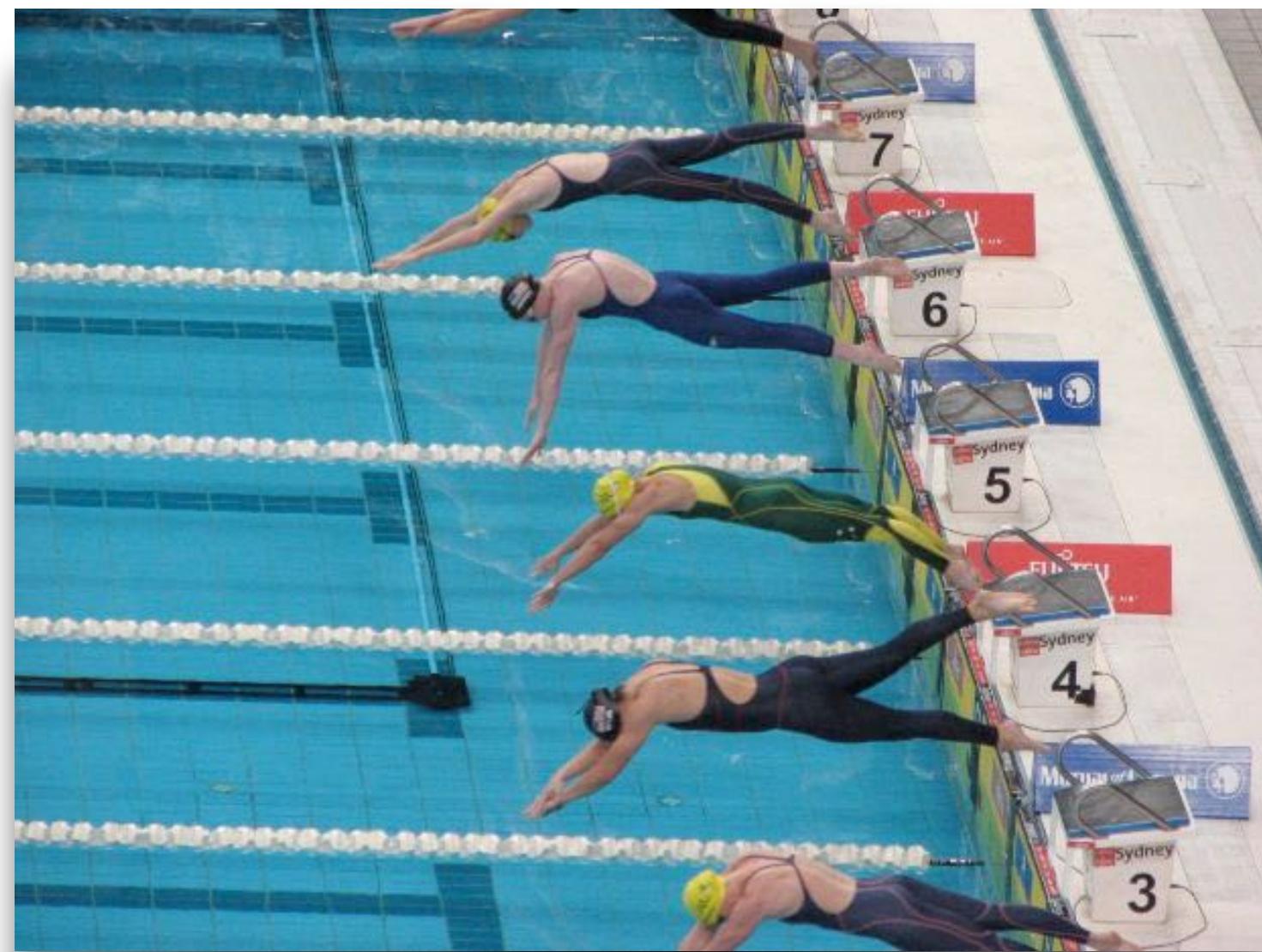


Environment

Using your body



Sport



Health

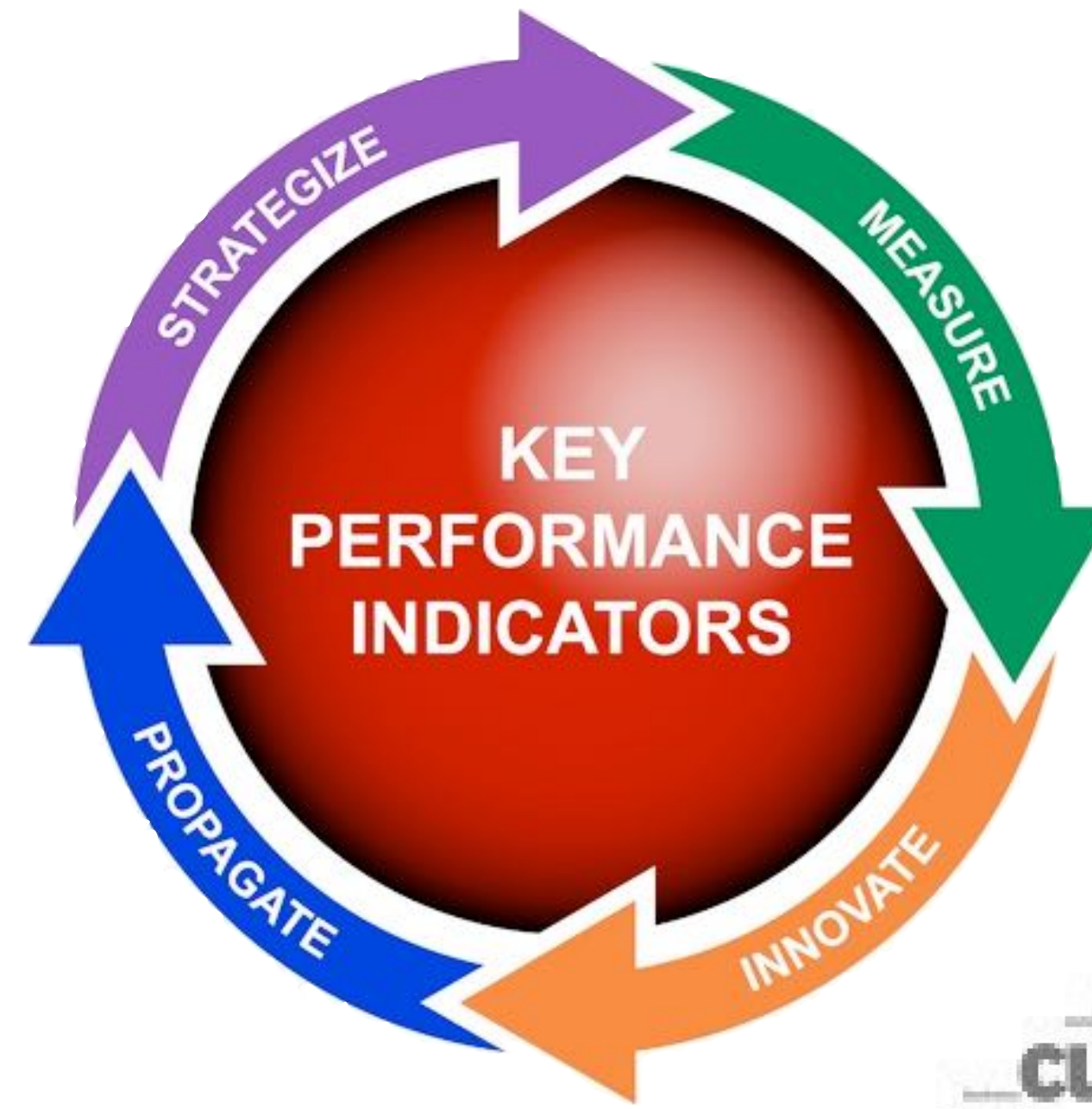


Business



“We like your zip-a-dee. You need to work on your dooh-dah.”

Business



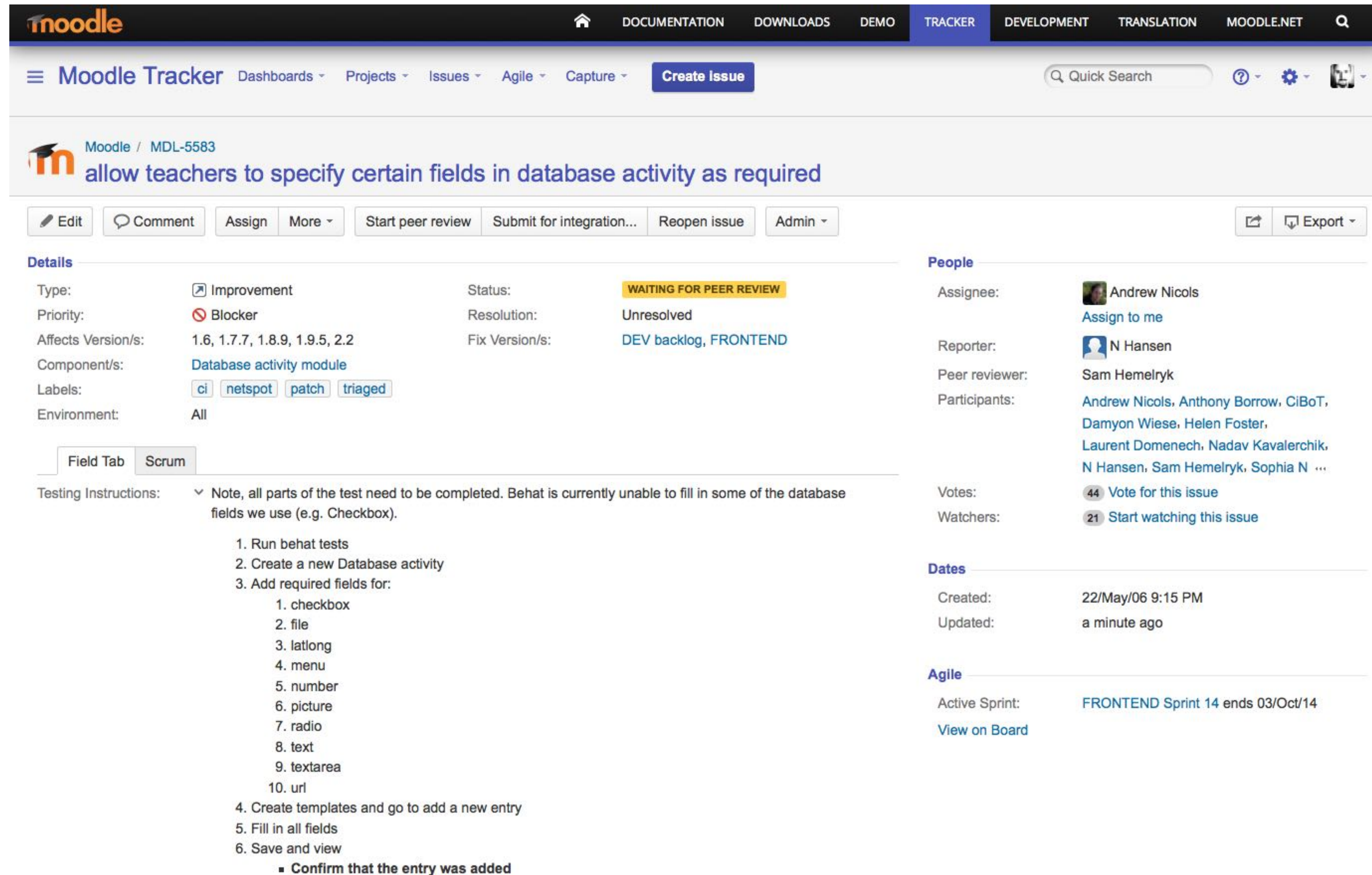
Software Development

```
/// </summary>
/// <param name="orderedChildIds">A collection of child ids.</param>
/// <param name="movedChildId">The id of the moved child.</param>
public void ChangeChildSortOrder(int[] orderedChildIds, int movedChildId)
{
+   if (orderedChildIds == null)
+   {
+       throw new ArgumentNullException("orderedChildrenIds");
+   }

+   bool found = false;
+   ItemToItem moved = null;
+   ItemToItem previous = null;
+   ItemToItem next = null;
+   foreach (int orderedChildId in orderedChildIds)
+   {
+       ItemToItem current = ChildItems.FirstOrDefault(c => c.ChildItemId == orderedChildId);
+       if (current != null)
+       {
+           if (current.ChildItem.ItemId == movedChildId)
+           {
+               moved = current;
+               found = true;
+           }
+           else
+           {
+               if (previous != null)
+               {
+                   previous.Next = current;
+               }
+               if (next != null)
+               {
+                   current.Next = next;
+               }
+               previous = current;
+               next = current.Next;
+           }
+       }
+   }
+   if (moved != null)
+   {
+       moved.Previous = previous;
+       moved.Next = next;
+   }
}
```



Software Development



The screenshot shows the Moodle Tracker interface for issue MDL-5583. The issue title is "allow teachers to specify certain fields in database activity as required". The status is "WAITING FOR PEER REVIEW". The issue is categorized as an "Improvement" with a "Blocker" priority. It affects Moodle versions 1.6, 1.7.7, 1.8.9, 1.9.5, and 2.2. The component is "Database activity module". The issue has labels "ci", "netspot", "patch", and "triaged". The environment is "All".

Details

Type:	<input checked="" type="checkbox"/> Improvement	Status:	WAITING FOR PEER REVIEW
Priority:	<input checked="" type="checkbox"/> Blocker	Resolution:	Unresolved
Affects Version/s:	1.6, 1.7.7, 1.8.9, 1.9.5, 2.2	Fix Version/s:	DEV backlog, FRONTEND
Component/s:	Database activity module		
Labels:	ci netspot patch triaged		
Environment:	All		

People

Assignee: [Andrew Nicols](#)
[Assign to me](#)

Reporter: [N Hansen](#)

Peer reviewer: [Sam Hemelryk](#)

Participants: [Andrew Nicols](#), [Anthony Borrow](#), [CiBoT](#), [Damyon Wiese](#), [Helen Foster](#), [Laurent Domenech](#), [Nadav Kavalchik](#), [N Hansen](#), [Sam Hemelryk](#), [Sophia N ...](#)

Votes: [44](#) [Vote for this issue](#)

Watchers: [21](#) [Start watching this issue](#)

Dates

Created: 22/May/06 9:15 PM
Updated: a minute ago

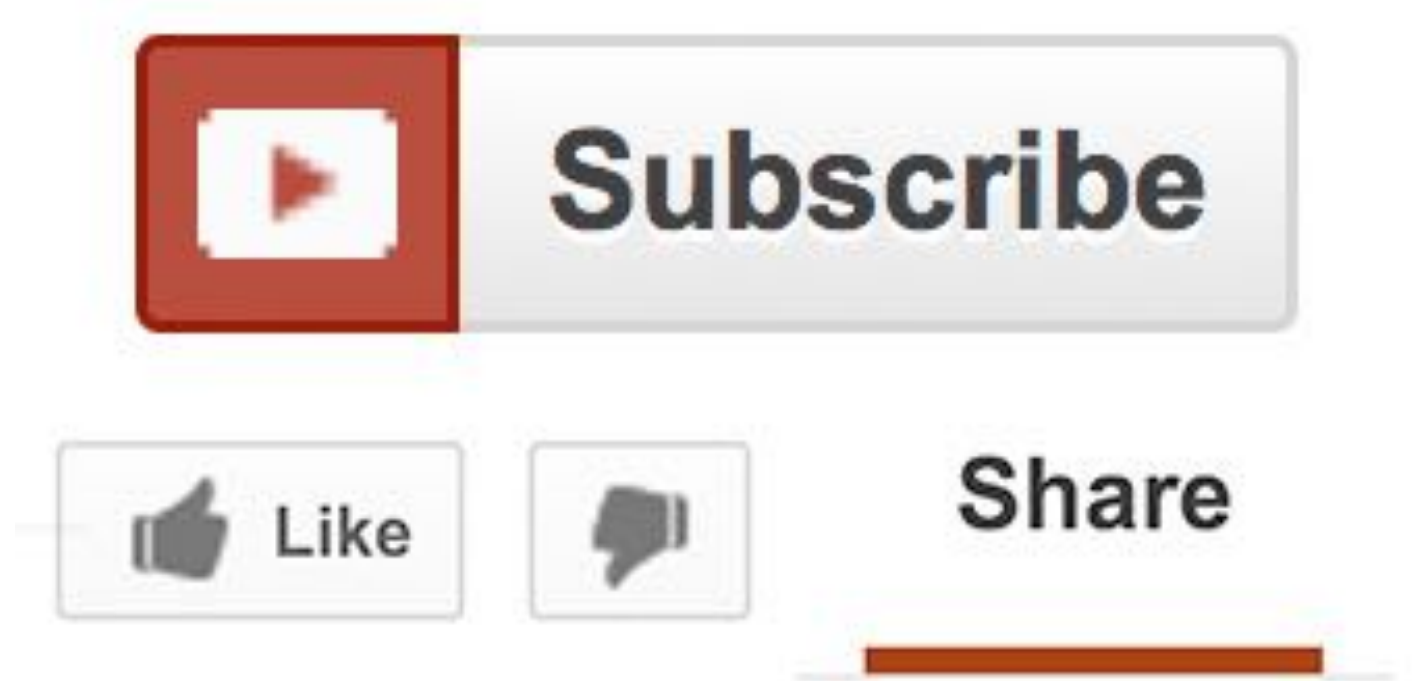
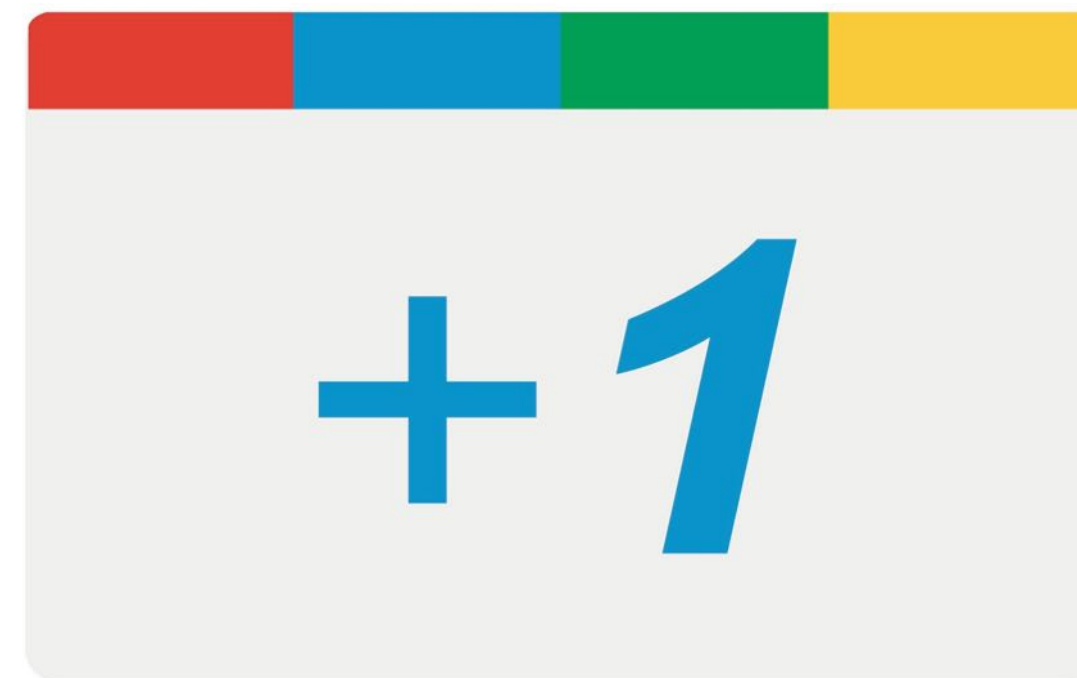
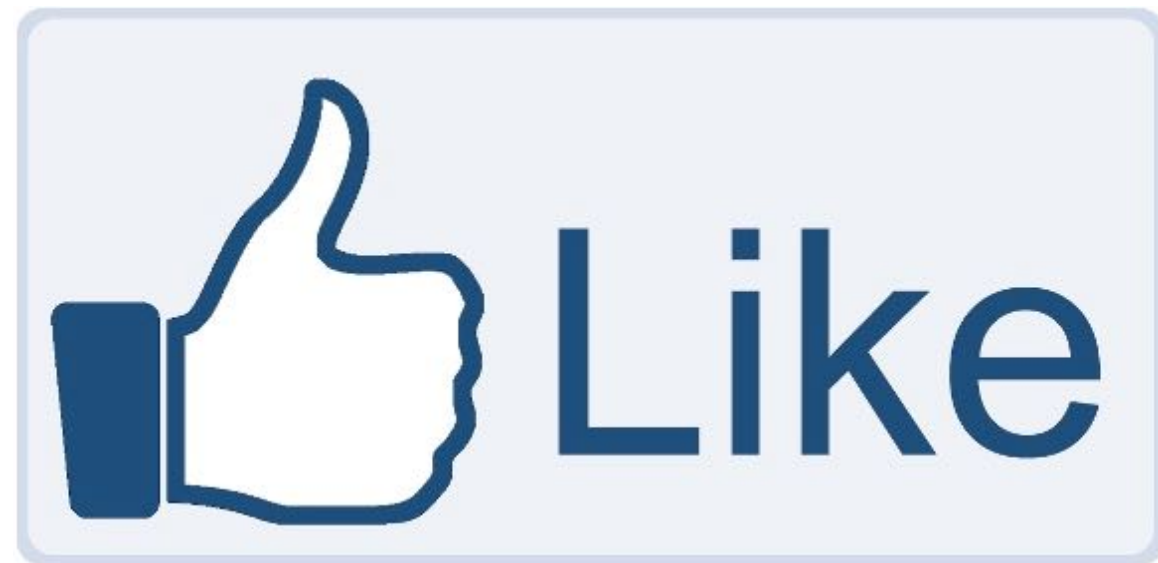
Agile

Active Sprint: [FRONTEND Sprint 14 ends 03/Oct/14](#)
[View on Board](#)

Testing Instructions: Note, all parts of the test need to be completed. Behat is currently unable to fill in some of the database fields we use (e.g. Checkbox).

1. Run behat tests
2. Create a new Database activity
3. Add required fields for:
 1. checkbox
 2. file
 3. latlong
 4. menu
 5. number
 6. picture
 7. radio
 8. text
 9. textarea
 10. url
4. Create templates and go to add a new entry
5. Fill in all fields
6. Save and view
 - **Confirm that the entry was added**

Social Media



★ **Lilian Demattei** and 3 others favorited your Tweet

Sep 17

Sep 17: Paraguay MoodleMoot opens with a woman dancing while balancing 4 wine bottles vertically on her head ... amazing!

#mootpy #mootpy14

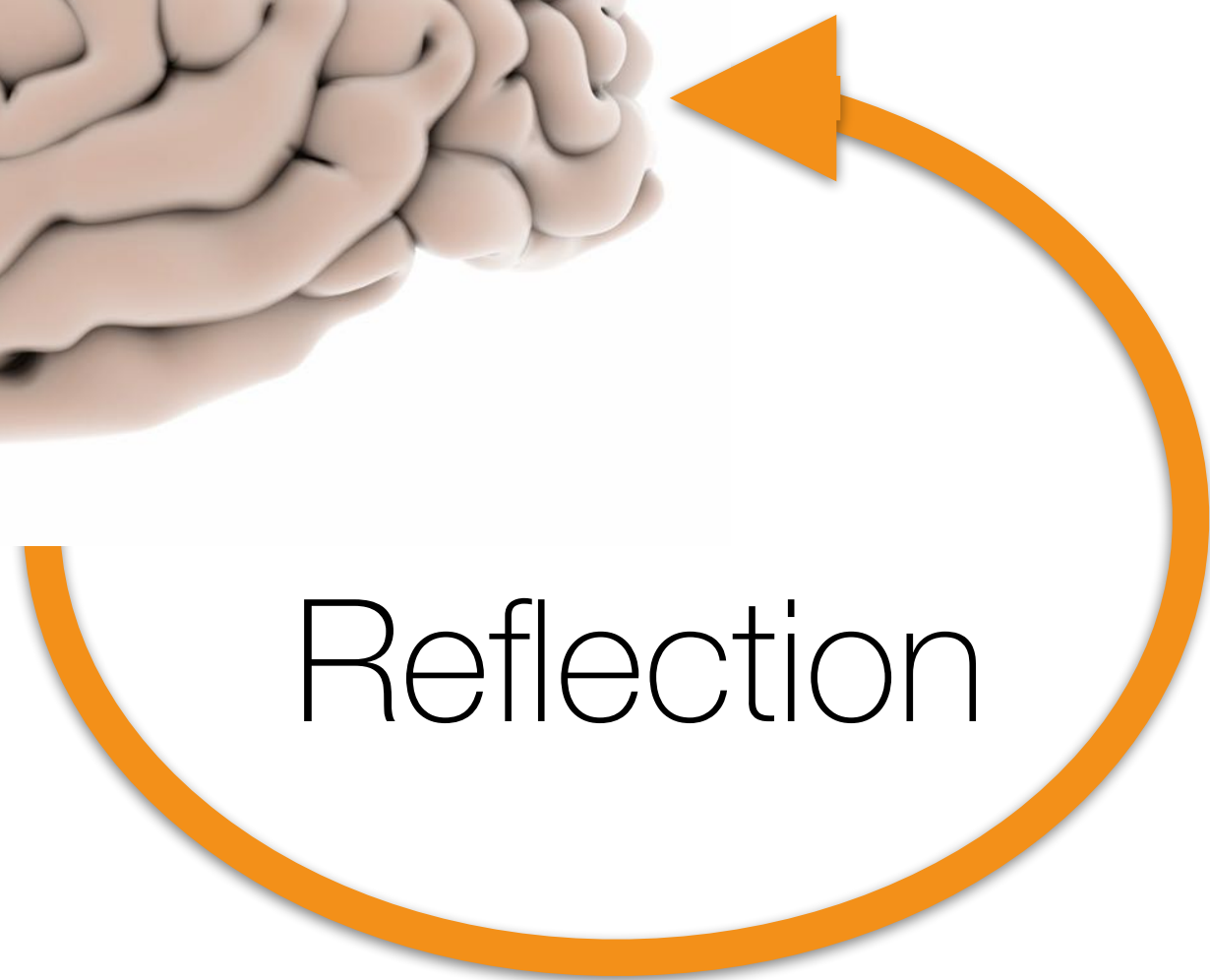
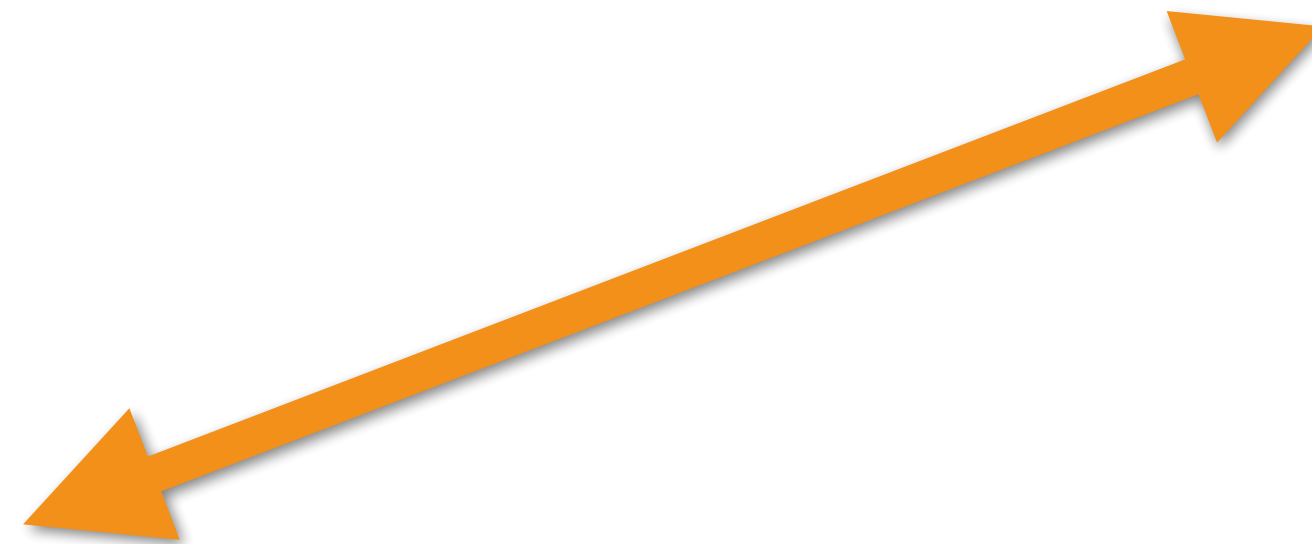


Feedback

Other people



Environment



Educational Strategies

Experimenting

Gamification

Presenting

Publishing

Inquiry-based learning

Debating

Scaffolding

Quizzing

Authentic learning

Sharing

Peer evaluation

Essay writing

Mentoring

Journalling

Team consensus

Project-based learning

Positioning

Group discussions

Sequencing

Socratic dialogue

Brainstorming

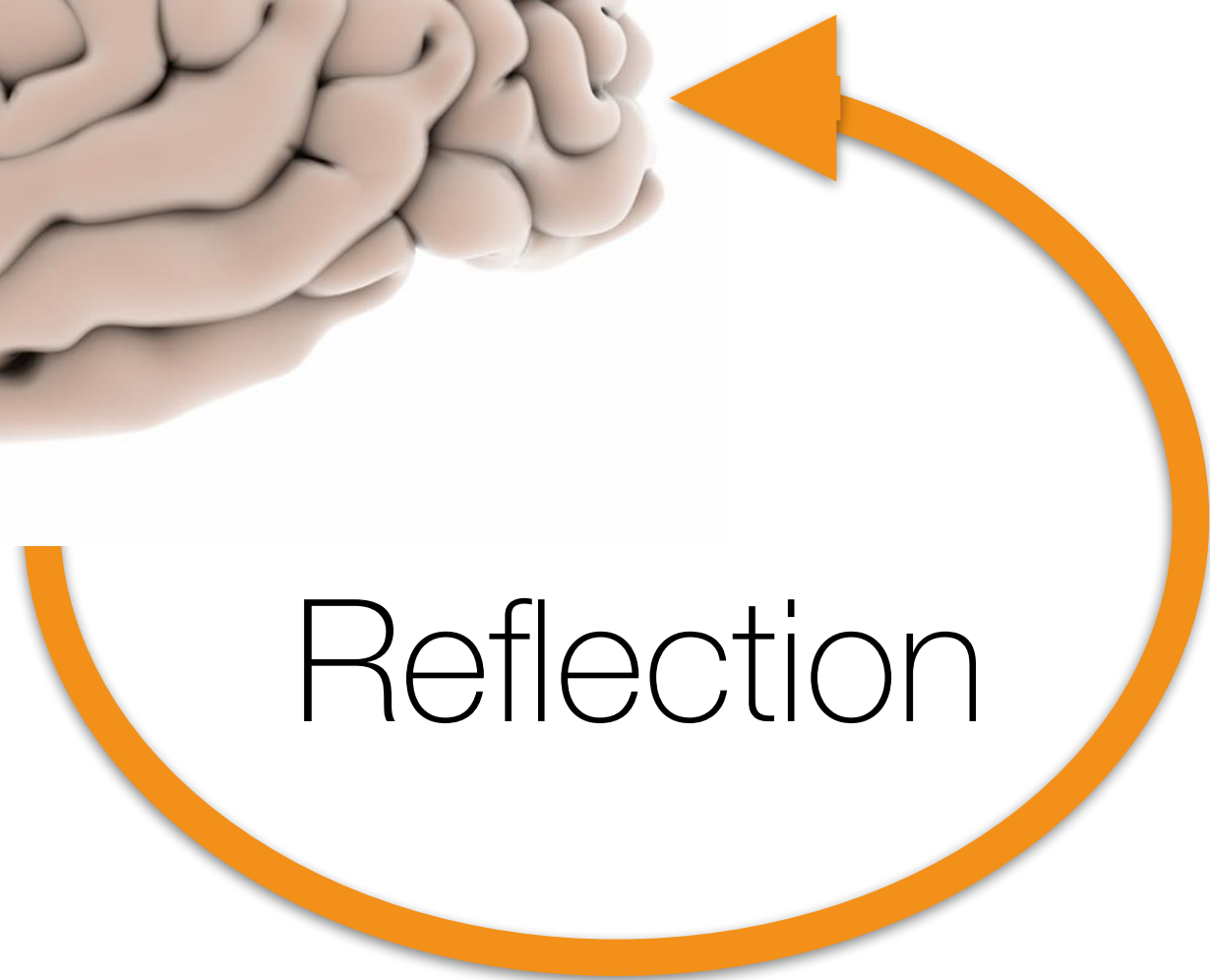
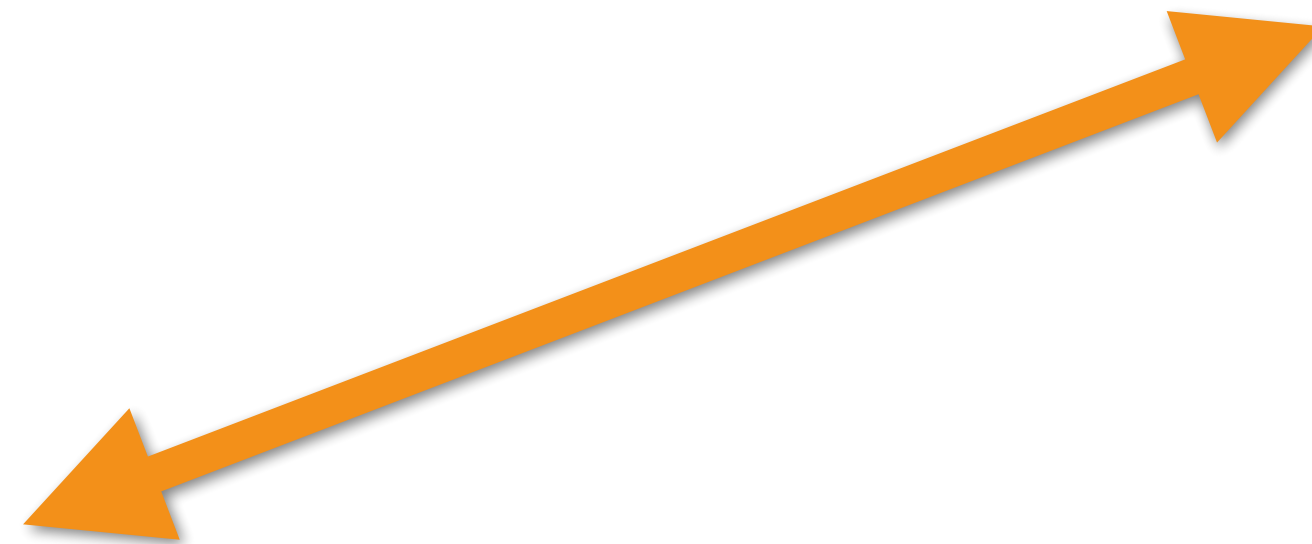
Reflection

Feedback

Other people



Environment



Social constructionism

- ◆ Create artefacts to demonstrate knowledge (and undergoing reflective feedback)
- ◆ Avoid relying on one teacher
- ◆ Share socially to get faster feedback

Good educational feedback

- ◆ Should be goal based
- ◆ Should provide external view of learner
- ◆ Should be timely
- ◆ Should promote reflection in learner
- ◆ Should be actionable
- ◆ Should be consistent (feedback loops)
- ◆ It's NOT just advice (like this keynote)
- ◆ It's NOT just grades

How to build a Moodle course

- ◆ Make sure everyone knows the goals
- ◆ Create frequent opportunities for participants to create representations of their knowledge
- ◆ Promote quality feedback among everyone
- ◆ Give feedback on the feedback
- ◆ Be timely
- ◆ Don't just publish textbooks
- ◆ Don't give grades without comments

Moodle standard tools

- ◆ Forums - posts, ratings - first scale was separate/connected
- ◆ Assignments - grades, annotations, rubrics, comments
- ◆ Quizzes - auto-graded
- ◆ Chat - discussions together
- ◆ Choice - polling the class on the environment
- ◆ Survey - particular instruments designed to help teacher understand class
- ◆ Feedback - more feedback from class to teacher (and back?)
- ◆ Workshop - direct comments, grades from others
- ◆ Lesson - Instant auto feedback by branching
- ◆ Grades - Grades and comments
- ◆ Reports and messaging -
- ◆ Analytics

How to build a Moodle project

- ◆ Make sure everyone knows the goals
- ◆ Create frequent opportunities for participants to create representations of their knowledge
- ◆ Promote quality feedback among everyone
- ◆ Give feedback on the feedback
- ◆ Be timely

Mission

Moodle is a learning platform that:

- ◆ supports **teachers** with their teaching ❤️
- ◆ supports **learners** with their learning
- ◆ **integrates** everything needed for a course
- ◆ is **open** in every way, yet sites can be fully private
- ◆ everyone can use easily for free, from **any device**
- ◆ provides the most **flexible** toolset (plugins, mods)
- ◆ can **scale** to any size needed
- ◆ allows anyone to contribute to **global** education

Roadmap?

Analytics and
Feedback

Logs, Notifications

Management

Outcomes, Learning plans,
Workflow, Reporting,
Rollover

Platform

Plugins, Support,
Usability

Community,
Open Content

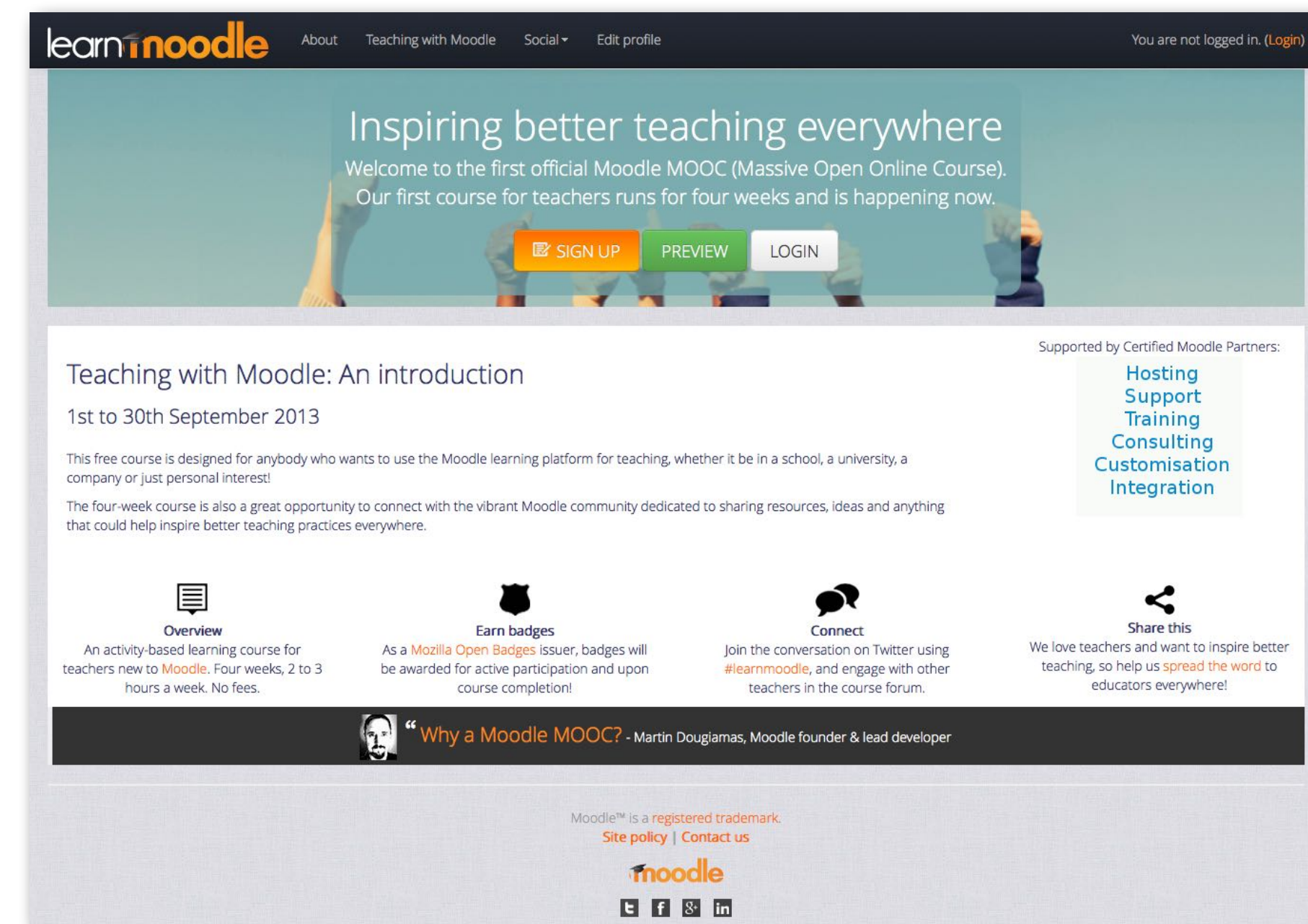
moodle.net
moodle.org

Access

Mobile, Non-visual,
Offline etc

Some initiatives to improve feedback

- ◆ Learn Moodle site
- ◆ MOOC format
- ◆ 4 weeks, for new teachers



- ◆ Help new users understand Moodle
- ◆ Get feedback from new users
- ◆ Test teaching concepts
- ◆ Demonstrate scalability and usability

January/July 2015
learn.moodle.net
#learnmoodle

#mootau15

#mootus15

Key features

- ◆ Focus on sectors: K-12, University, Workplace
- ◆ Fewer choices! Focussed presentation streams.
- ◆ Facilitated working sessions - **Design the Next Moodle**
- ◆ Professional video recordings -> online library (eg TED)
- ◆ **AU Melbourne, July 6-9th**
- ◆ **US Minneapolis, August 4-6th**

moodlemoot.org

Moodle Association (International)



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