The Learning Organization Journey: Assessing and Valuing Progress

by Nils H. Bohlin and Paul Brenner

Suppose you have just been appointed the CKO—Chief Knowledge Officer—of your organization. You are responsible for managing the company’s knowledge capital, including how it is created, maintained, and used. You understand the principles of organizational learning and agree that effective learning is the pathway to accelerated performance improvement. Now you need to determine the right approach for your organization, and how to get started.

It might help to think of organizational learning as an ongoing journey (see “Organizational Learning Journey: A Roadmap”). Although each company’s path will look slightly different, assessing your organization’s knowledge base and learning skills is a good place to start. This information provides a baseline against which you can measure your progress toward becoming a learning organization.

**Learning Serves the Business Vision**
Planning your organizational learning journey begins with knowing where you want to go. Articulating a vision for both the business and the organization will help define your destination—the higher purposes you want to serve through the specific learning initiatives. Starting with an organizational vision ensures that the learning needs of the company are driven by business and organization goals.

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match its particular learning needs.

Once you have articulated your company's business vision and defined its learning needs, you will want to get a better sense of the organization's current learning condition. To assess this, there are three key areas to consider:

- **Knowledge Base**: the strengths and weaknesses of your organization's knowledge base and the knowledge areas to be reinforced
- **Learning Practices**: the management and operating practices that foster or hinder learning
- **Learning Climate**: the work culture and its effect on learning

**Knowledge Base**

In today's economy, knowledge, not capital assets, is the primary source of wealth. While there are some exciting new methods for measuring and valuing knowledge capital, few organizations have studied how they themselves create, store, and use that capital. You can start your learning assessment by mapping your organization's business processes in terms of knowledge generated and used.

This is exactly what one European company did five years ago. The company faced increasing pressures from global competitors in the baby-diaper business, as a recent result of product innovations. Company personnel began a Knowledge Base Assessment by defining what the company knew how to do in all its business processes, and then assessed their knowledge position versus what they viewed as world-class practices. Then they unburdened the knowledge base into precisely defined areas of know-how, determined the competitive impact of each area, rated their own performance versus that of the competition, identified gaps in the knowledge base, and designed corrective actions (see "Strategic Knowledge Map").

The results prompted a wake-up call. Company employees recognized that they needed to reinforce the company's knowledge base. They defined the areas of collaboration needed to fill the gaps in the base and entered several strategic alliances with other firms. The collaborative partners found the approach so helpful that they, in turn, initiated Strategic Knowledge Mapping in their own companies.

When you assess your firm's knowledge base, it's important to remember that knowledge comes in many forms, not just in databases and procedure manuals. Tacit knowledge—based on experience and practice—can be as important as explicit knowledge. For example, Matsushita developed a bread-making machine in the late 1980s. When early prototypes could not replicate the art of high-quality bread-making, developers apprenticed themselves to master bakers to discover the tacit knowledge that these experts could not communicate explicitly. Your knowledge map should show the strategic importance of both tacit and explicit knowledge.

**Learning Practices**

Successful learning does not happen by accident. One hallmark of a learning organization is a purposeful learning approach designed to create knowledge and translate it into effective action.

How can you create learning practices?

You can begin by looking for learning cycles. Successful learning typically follows a sequence:

1. **Shared awareness of a need for learning**
2. **A common understanding of the situation**
3. **Aligned actions, with measured results**
4. **Joint review and communication of results**
5. **Collective reflection about the learning process**

(For examples of these steps in action, see "Supporting the Learning Cycle" on page 5.)
A summary way to view your company's existing learning practices is to compile an inventory of your organization's use of specific learning practices. This profile will provide a sense of where the organization perceives gaps between current conditions and the desired future reality, and can indicate priority areas for attention.

**Learning Climate**

In order to foster organizational learning, you should focus on enhancing individual and group skills, designing support structures for ongoing learning, and creating an overall organizational attitude that encourages learning. All of these aspects make up an organization's "learning climate."

A learning climate has both "soft" and "hard" components. On the soft side, cultural norms can either support or hinder learning. The hard side of a learning climate includes the structures and technologies that support open communication, knowledge management, and teamwork. One way to sense your organization's learning climate is to look for evidence of the following conditions:

**Curiosity.** A culture that values curiosity and inquiry adopts learning behaviors naturally. Simulations and experiments follow from "what if" questions. Questions about what customers think and what competitors are doing lead to environmental scanning and targeted studies of the outside world.

For example, Sharp defines its product development vision as "opto-electronics," a grand but undefined term. The breadth and openness of the term spurs the curiosity of employees, who ask, "What does that mean? How can this term fit my work?" The creation of Sharp's overhead projection computer display is one result of the creative tension prompted by such purposeful ambiguity.

**Recognition of Conflict and Errors.** Learning requires openness to new ideas, even when they generate controversy. Conflict should be welcomed as the means to develop common understanding, rather than suppressed for the sake of harmony.

Organizations that celebrate the discovery of errors, rather than search for blame, will learn from their mistakes. A good example of this comes from a team that writes documentation for electronics products. Each month the team celebrates the discovery of documentation errors with a bonfire of obsolete manuals—the bigger the better!

**Leadership.** The leader of a learning organization is not the traditional hero, individually responsible for tough decisions. Instead, he or she is the designer of corporate culture who accepts the uncertainty implied by experimentation. This is a very different model of leadership, and if it is embraced by top management, it is likely to be diffused to all management levels. Those being led can tell you which model of leadership is prevalent in your firm.

**Staff Development.** The implicit employment contract between a firm and its employees has changed. Long-term employment guarantees are being replaced by employer-supplied opportunities to maintain and expand knowledge and skills. Look for learning opportunities not just in the training department, but in job experiences that broaden responsibilities across functions.

**Information and Communication Systems.** Technological solutions to the challenges of creating, storing, and sharing knowledge include groupware, corporate knowledge bases, and videoconferencing. As you trace the flow of knowledge through your organization, look for how well these technologies are used.

**Team-Based Work.** Some work environments encourage learning efforts by single individuals, while others foster collective work. Learning organizations tend to encourage interaction and problem solving by teams. To assess whether your organization values individuals or teams, look at the recognition and reward systems. Is performance measured individually or in groups? Do rewards go to stars or to stellar team efforts? Are major initiatives personalized (as when a project takes on the name of its leader, such as the Grace Commis-

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**Strategic Knowledge Map**

**Define the business context**

- Summarize existing strategies within the industry
- Identify success factors
- Identify business processes

**Define the knowledge base in strategic terms**

- Unbundle major business processes into specific areas of know-how
- Classify know-how as base, key, pacing, or emerging
- Assess your knowledge position relative to competitors and define gaps

**Draw implications and shape actions**

- Summarize knowledge in terms of strengths, weaknesses, opportunities, and threats
- Define the knowledge areas for reinforcement actions
- Define the knowledge reinforcement plan

The Strategic Knowledge Map provides a systematic way for a company to examine its knowledge base by defining its areas of know-how, determining the competitive impact of each area, rating its performance versus the competition, identifying gaps in the knowledge base, and designing corrective actions.
Incomplete Learning Cycles

One way to diagnose learning problems is to look for patterns of learning cycles that are consistently broken. These three common examples show how learning processes can become de-railed.

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Guidelines for Assessing Learning

Once you know what to look for as you assess your company’s learning efforts—knowledge management processes, learning practices, and the learning climate—you need to know how to find them. The following activities can provide guidelines for assessing your company’s progress:

Self-Assessment. Because learning is embedded in day-to-day activities and organizational culture, guided self-assessment can yield valid results. Train a member of each group in the principles of organizational learning and have these people lead structured interviews that identify learning practices and climate factors. This training also prepares selected process members to facilitate the learning action plan that should follow an assessment.

Group Interviews. Interviews that are intended to tease out learning practices are better done in groups rather than one-on-one. This is because learning practices at the team and company level depend on group dynamics, such as communications and coordinated efforts. Participants who describe both sides of knowledge transfers can offer more complete perspectives than those who relate to just one side.

Stories. Clinical questions about learning lead to abstract answers, but stories and anecdotes can help people vividly recall their learning practices. Ask interviewees to remember incidents when change took place rapidly and effectively, when they mastered new processes, or when a good practice was diffused rapidly throughout the organization.

Artifacts. Anthropologists search for artifacts that offer tangible clues of how a society behaved. What artifacts might a learning assessment find? For example, publicly displayed performance scorecards, often seen in produc-
tion facilities, show a concern for measurement and feedback.

**Ongoing Assessment**

The assessment process can provide a wonderful opportunity to train staff members in learning principles. Scientists from Hawthorne to Heisenberg have discovered that measuring a process inevitably causes it to be altered. In the same way, when learning is measured, learning processes are altered. With this in mind, you can design assessment interviews to serve as training in the principles of organizational learning, and improve your learning state even as you measure it.

Above all, it is important to continue to measure your company’s learning activities over time. Conducting an initial learning assessment can provide a valuable baseline of learning practices against which to evaluate progress, but overall assessment should become an ongoing part of the organizational learning process. This is especially important because the learning needs of a company will change as it revises its vision and strategy. Making progress on the journey toward creating a learning organization requires a continual realignment between the goals of the company and its chosen learning path.


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**Supporting the Learning Cycle**

The following examples for each of the stages of the learning cycle may help you identify learning practices in your organization.

**Generating Shared Awareness** involves continuously assimilating internal and external information about problems and opportunities.
- Dell Computer holds regular Customer Advocate Meetings to share what support people have heard from customers with colleagues in product development, sales, and marketing.
- NUMMI rotates shop-floor employees through the plant to build shared awareness of new processes.

**Creating Common Understanding** requires tools and processes for creating a common understanding of key problems and opportunities and openly discussing options for action.
- Ford uses management simulations to experience the results of decisions without “betting the company.”
- Royal Dutch Shell has a rich history of using scenarios of possible oil industry trends as team-based planning exercises designed to develop a common approach to strategy.
- DuPont maintains and publishes a reference model of all business processes.

**Producing Aligned Action.** The purpose of learning is to enable the organization to take more effective action. Alignment refers to the match between an organization’s goals and its actions, and to the choreography of actions across divisions and over time.
- Honda helps to ensure that customer management and engineering actions are aligned by including representatives from sales, engineering, and product development in every project team.

**Performing Joint Review.** It is helpful to review and measure the results of actions in an open forum. The purpose is not to assign blame or praise, but to gain insight from the complete cycle and kick off the next cycle of performance improvement.
- Procter & Gamble has two major acquisitions simultaneously in 1991. In order to manage the integration of the two groups, they created a merger process organization that mastered and reviewed actions. Every second Friday of the month there was an all-day meeting to discuss the merger task forces.

**Conducting Collective Reflection.** In order to be purposeful about learning, it is important to reflect continuously on past and present operations and seek improvements in learning activities.
- British Petroleum uses a five-person unit reporting to the board of directors to derive lessons learned from past major projects.
- Boeing commissioned a group called Project Homework to dissect its past product development processes, leading to the successful development of the B777.
- L.L. Bean has a team devoted to improving its business process improvement process.