

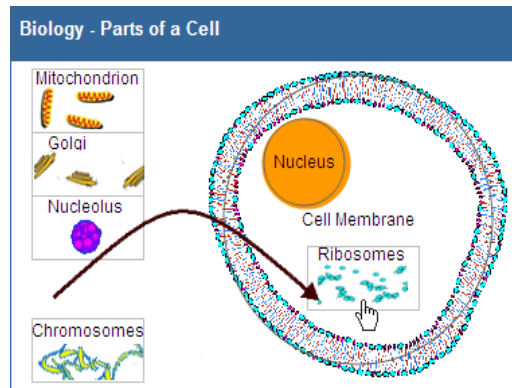


Reusable Learning Interactions (RLI)

Mindgrub creates reusable learning interactions that can be implemented and updated by content authors and novice web developers, getting training to market in little time.

How do Reusable Learning Interactions Save you Time and Money?

- Interactions can be reused over and over.
- Components are easy to configure.
- Content developers can change content without changing the components themselves.
- Implementation can be done with low-cost resources.



Introduction

ONLINE OR E-LEARNING HAS emerged as a widely used platform for millions of users in government, education institutions and private industries. All levels of learning have taken advantage of the internet to either support what is being taught in the classroom, enhance their courses outside of the classroom or to offer an entire course online which a student can complete anywhere, anytime.

The largest bottleneck is in the production of good content. Mindgrub reduces this bottleneck by enabling organizations to produce richer content in a fraction of the time, using reusable learning interactions.

Engage Students To Learn More Effectively

EVERY EDUCATOR IS challenged to provide varied learning experiences to accommodate all students' needs. By utilizing the internet they can provide powerful rich internet applications that truly engage each student on a more intimate and less intimidating environment.

Unfortunately, creating rich content can be a time-consuming and daunting task. With this in mind, many teachers choose to create simple text only web pages because they feel the need to offer their students something that is "online". However, this sort of learning can be tedious and dull, especially when online users demand various multi-media outlets to sustain their interest.

RLI's allow us to embed animations, sound and video presentations into the webpage where static text used to be



How easy are Reusable Learning Interactions to implement?

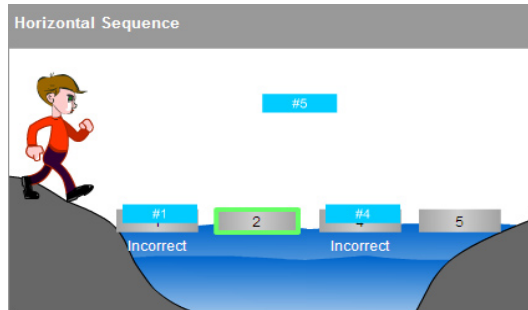
- A novice person with simple HTML experience can easily embed the RLI.
- Changes are made in one simple XML file.
- Does not require expensive Flash developer for most changes.
- Standardized formatting creates user-friendly experience.

making it an excellent choice for online learning. They maintain the students interest as they continue to play learning games or replaying video clips and animations, drawing the student into the content more effectively.

ORACLE®



Several organizations, such as the Maryland Department of Education, ORACLE and the US Navy have contracted with Mindgrub to produce engaging Flash components.



These components have allowed these organizations to deliver captivating, interactive content which creates a more effective educational environment. And the best part is that they are reusable...

Mindgrub and RLI

Mindgrub's Reusable Learning Interactions are custom made

Adobe Flash components that allow teachers the ability to engage their students in fun interactive learning tools and are easy to implement.

Mindgrub's Reusable Learning Interactions are developed in a way that allows the look/feel functionality to be modified through a user-friendly XML file that can be easily changed by non-programmers or a novice HTML developer.

```
<question id="1" aID="Cell Mem...
  <titleTxt><![CDATA[Mitochor...
</question>
<question id="2" aID="Cell Memb...
  <titleTxt><![CDATA[Golgi]]><...
</question>
<question id="3" aID="Nucleus">
  <titleTxt><![CDATA[Nucleolus]]...
</question>
```

The XML file is kept outside the Flash file and is the only place you would need to make data changes in order to create different learning experiences. Since the data is highly configurable and kept separate from the Flash component, we only have to create the component once which allows for an unlimited number of subjects and courses to reuse it.

For more information about how Mindgrub Reusable Learning Interactions can enhance and engage your online virtual classroom, please contact us at information@mindgrub.com

ABOUT MINDGRUB

Mindgrub Technologies LLC was founded in 2002 to create information display and instructional systems. Mindgrub focuses on the end-user experience to maximize knowledge distribution and learning.

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