

# Texto voz para conteúdos educativos.

Soluções ReadSpeaker para ambientes AVA.

José Novais

## Missão: Melhorar a acessibilidade dos conteúdos digitais

Ouvindo os conteúdos Online/Offline que interessam a todos, a qualquer hora e em qualquer lugar



## Fornecimento de tecnologia texto voz que permite aos usuários melhorarem os seus resultados escolares

- Em qualquer lugar e a qualquer hora
- Sem Barreiras (Clique & ouça, sem downloads)
- Focados na mais elevada qualidade de voz (melhores vozes no Mercado, desenvolvimento de TTS próprio)
- Aplicável em todo o tipo de conteúdos (online and offline)
- Personalizável (pelo cliente e pelo utilizador final)
- Desenho Universal na Aprendizagem (UDL)
- O Áudio enquanto Serviço (SaaS)

## A aprendizagem na atualidade



### **Engajamento**

*Compreensão, línguas estrangeiras, estudantes Online, Desenho Universal na Aprendizagem, assistente vocal para formulários, apresentação Bimodal de conteúdos*



### **Conveniência/conforto**

*Aprendizagem em dispositivos móveis, em movimento, preferência pessoal, estudante adulto/trabalhador/part-time e multitarefa*

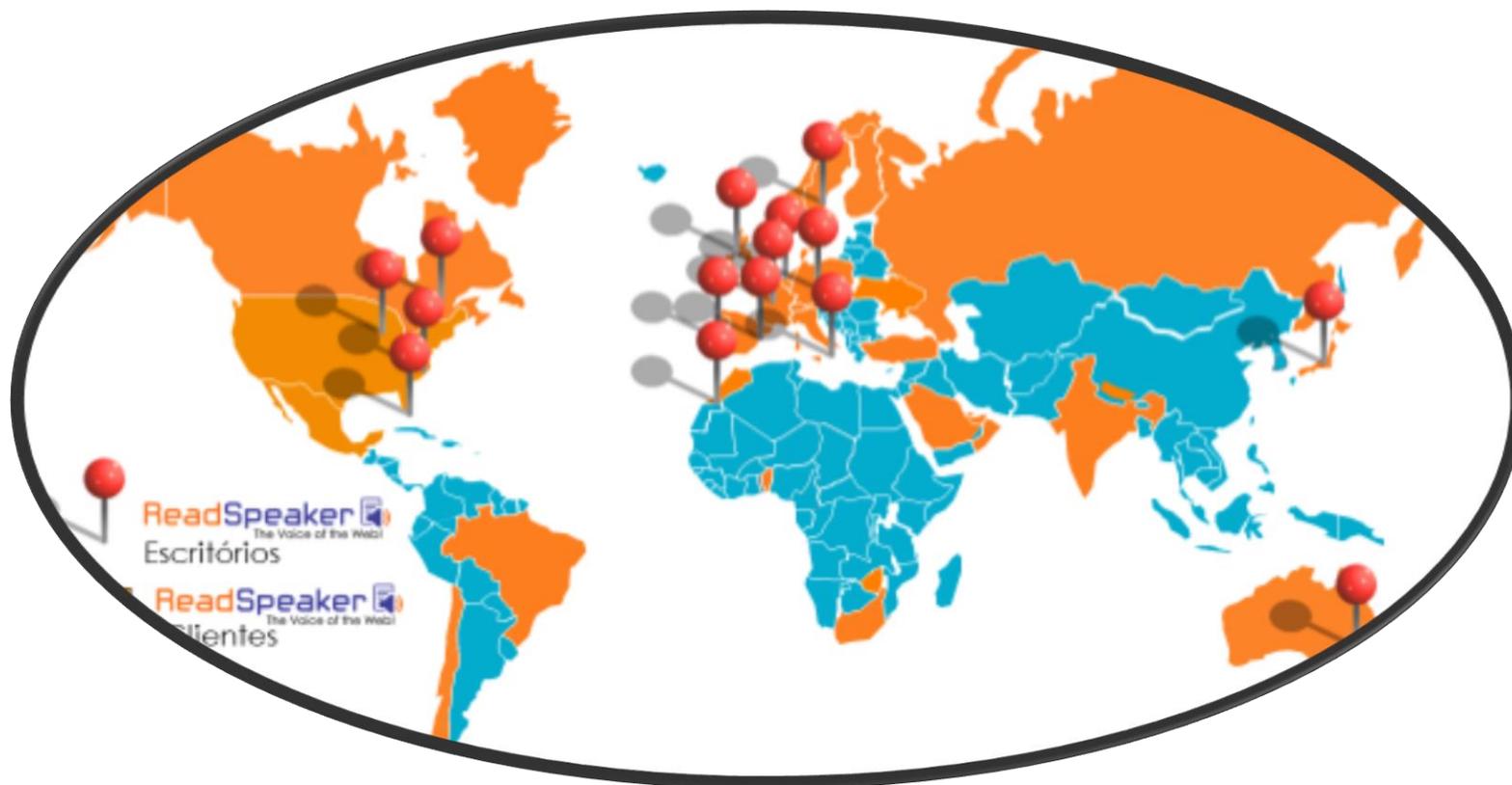


### **Acessibilidade**

*20% da população com: habilitações literárias limitadas, deficiência visual, dificuldades de aprendizagem, dislexia, língua materna diferente*

**ReadSpeaker clientes em + 70 países**

**+10.000 Websites ou ambientes online em todo o mundo**



## Alguns de nossos clientes na área Editorial



## ReadSpeaker & Online Learning

### Editoras



### Instituições de Ensino



### Tecnologia para eLearning

Mais de 400  
clientes na  
Educação  
em todo o  
Mundo

## ReadSpeaker alguns clientes em LMS/AVA

 brightspace  
by D2L



 moodle



 canvas  
BY INSTRUCTIVE



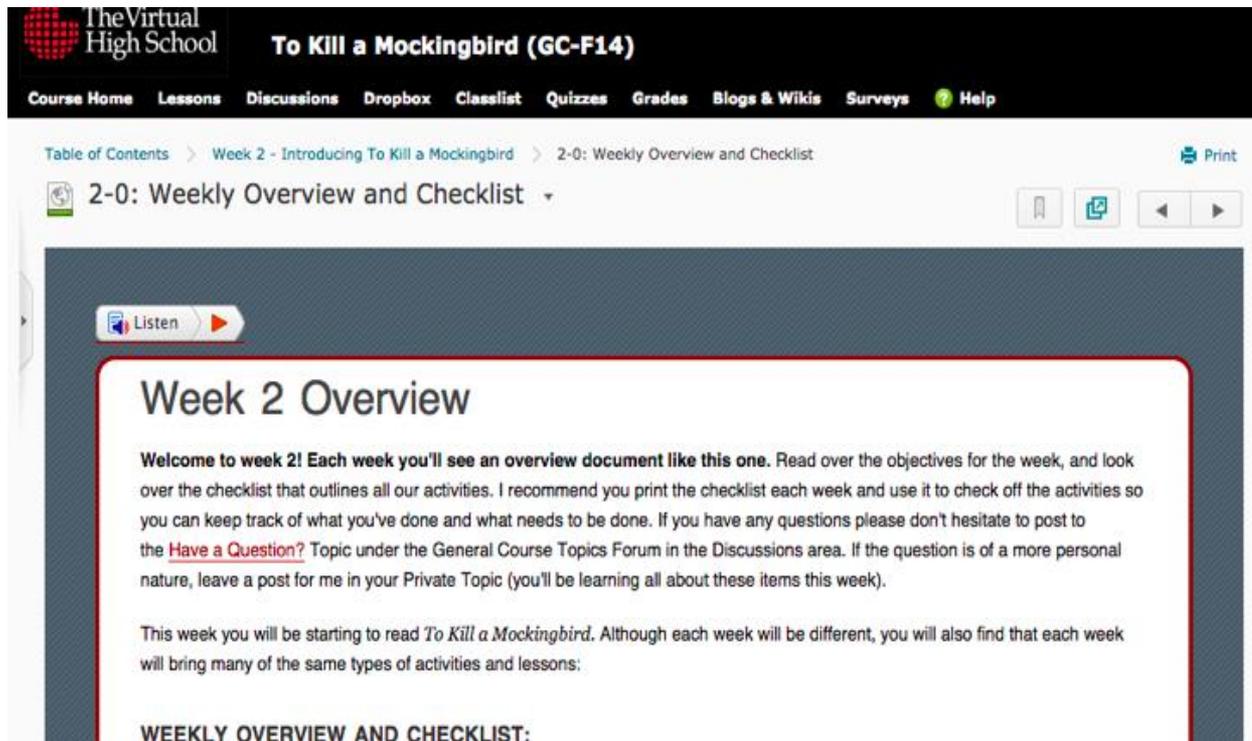
 Bb



## ReadSpeaker recursos de leitura de conteúdos digitais

Livros/texto em HTML	ReadSpeaker Enterprise	On-line	
Documentos On-line	ReadSpeaker DocReader	On-line	
EPUB3 media overlay	ReadSpeaker Narrator	Off-line	
Documentos em Plataformas de ebook	soluções Customizadas	On-line	
Audio: "necessidades especiais"	ReadSpeaker Daisy Generator	Off-line	

## webReader - leitura de conteúdos (HTML)



The Virtual High School  
**To Kill a Mockingbird (GC-F14)**

Course Home Lessons Discussions Dropbox Classlist Quizzes Grades Blogs & Wikis Surveys Help

Table of Contents > Week 2 - Introducing To Kill a Mockingbird > 2-0: Weekly Overview and Checklist

2-0: Weekly Overview and Checklist

**Week 2 Overview**

Welcome to week 2! Each week you'll see an overview document like this one. Read over the objectives for the week, and look over the checklist that outlines all our activities. I recommend you print the checklist each week and use it to check off the activities so you can keep track of what you've done and what needs to be done. If you have any questions please don't hesitate to post to the **Have a Question?** Topic under the General Course Topics Forum in the Discussions area. If the question is of a more personal nature, leave a post for me in your Private Topic (you'll be learning all about these items this week).

This week you will be starting to read *To Kill a Mockingbird*. Although each week will be different, you will also find that each week will bring many of the same types of activities and lessons:

**WEEKLY OVERVIEW AND CHECKLIST:**

### Cloud-Based Multilingual Solution

ReadSpeaker Enterprise Highlighting consists of a Listen button and an integrated fully keyboard-controllable audio player.



### Settings

Highlighting

Text highlighting  On  Off

Highlighting options Word and sentence

Word color  Green  Blue  Yellow  White  Black  Red  Underline  None

Sentence color  Green  Blue  Yellow  White  Black  Red  Underline  None

Text color  Green  Blue  Yellow  White  Black  Light Blue

Enhanced text visibility  On  Off

Reading

Speed  Slow  Medium  Fast

# docReader - leitura de Documentos online

Staying Safe in Science Activities  

Reading Passage | 3,444 Views

Science Techbook

Details Download Materials (1) 5 Likes Share

Page 1 of 4 Listen       docReader



**Discovery EDUCATION** Staying Safe in Science Activities

Science is not just something to read about. The best way to learn science is by doing it. During your study of science, you will get to do science activities. Some will be indoors, in the classroom. Others may be outdoors, in the classroom. Others may be outdoors. You may even take a field trip.

These activities can be fun. They also can involve some risk. Knowing how to keep yourself and others safe is very important.

Being safe is not hard. Most trouble can be kept away by keeping a few ideas in mind.

**Use the tools and materials as you are told.** Most accidents happen when

Science activities can be outdoors or indoors. Either way, you'll need to stay safe.

## Cloud-Based Multilingual Solution

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Sentence color   
        Underline None

Text color 

Enhanced text visibility   
 On  Off

Reading

Speed   
 Slow  Medium  Fast

## TextAid – ferramenta de apoio individual à leitura e escrita



**ReadSpeaker TextAid**

# ReadSpeaker TextAid

100% Web-based means no downloads and access  
**IN THE CLASSROOM, AT HOME and on ANY DEVICE**

## Publicação acessível - Áudio Books

Radium

### A Little Help: WAI-ARIA

Although fallbacks are useful when scripting is not available, you should still aim to make your scripted content accessible to all readers. Enter the W3C Web Accessibility Initiative's (WAI) [Accessible Rich Internet Application \(ARIA\)](#) specification.

The technology defined in this specification can be used in many situations to improve content accessibility. We've already encountered the `aria-describedby` attribute in looking at how to add descriptions and summaries, for example.

I'm now going to pick out three common cases for scripting to further explore how ARIA can enhance the accessibility of EPUBs: custom controls, forms, and live regions.

### Custom Controls

Custom controls are not standard form elements that you stylize to suit your needs, just to be clear. Those are the good kinds of custom controls—if you want to call them custom—as they retain their inherent accessibility traits whatever you style them to look like. Readers will not have problems interacting with these controls as they natively map to the underlying accessibility APIs, and so will work regardless of the scripting capabilities any reading system has built in.

A custom control is the product of taking an HTML element and enhancing it with script to emulate a standard control, or building up a number of elements for the same purpose. Using images to simulate buttons is one of the more common examples, as custom toolbars are often created in this way. There is typically no native way for a reader using an accessible

(e.g., just another `img` element in the case of image buttons).

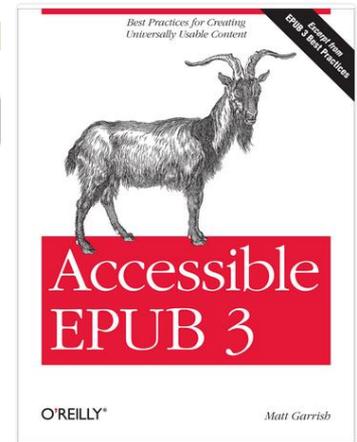
It would be ideal if no one used custom controls, and you should try to avoid them unless you have no other choice, but the existence of ARIA reflects the reality that these controls are also ubiquitous. The increase in native control types in HTML5 holds out hope for a reduction in their use, but it would be neglectful not to cover some of the basics of their accessible creation. Before launching out on your own, it's good to know what you're getting into.

#### NOTE

There are widely available toolkits, like `jQuery`, that bake ARIA accessibility into many of the custom widgets they allow you to create. You should consider using these if you don't have a background in creating accessible controls.

If you aren't familiar with ARIA, a very quick, high-level introduction for custom controls is that it provides a map between the new control and the standard behaviors of the one being emulated (e.g., allowing your otherwise-inaccessible image to function identically to the button element as far as the reader is concerned). This mapping is critical, as it's what allows the reader to interact with your controls through the underlying accessibility API. (The ARIA specification includes a [graphical depiction](#) that can help visualize this process.)

Or, put differently, ARIA is what allows the HTML element you use as a control to be identified as what it represents (button) instead of what it is (image). It also provides a set of attributes that can be set and controlled by script to make interaction with the control accessible to all. As the reader manipulates your now-identifiable control, the changes you make to these



Radium Library

## A facilidade de implementação do ReadSpeaker Em Ambiente Virtual de Aprendizagem (AVA)

- Integração em praticamente qualquer plataforma/Ava para enriquecer os conteúdos com o áudio.
- Parceria com os principais fornecedores de LMS, para uma integração ainda mais fácil em **Blackboard, Canvas, D2L e Moodle**
- Contas teste/demonstração



Blackboard



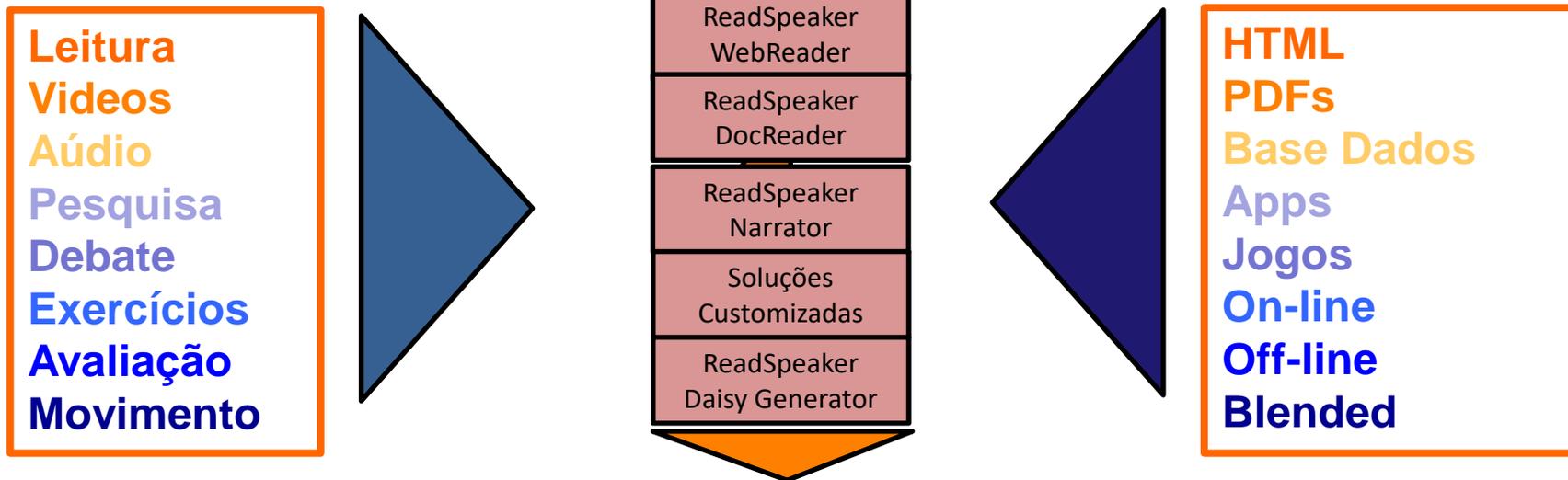
canvas  
BY INSTRUCTURE



brightspace  
by D2L

Múltiplos Inputs / estilos de aprendizagem -> soluções

ReadSpeaker

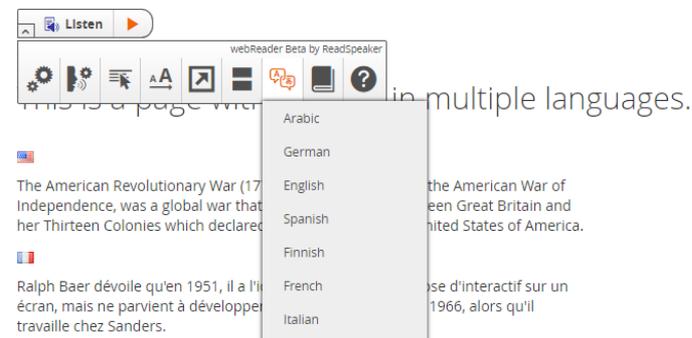


Melhor experiência de Aprendizagem

## Novo WebReader com novas funcionalidades

Introdução de novas funcionalidades:

Escolha do idioma de leitura; Clique onde começar a ler; Aumentar tamanho do texto; Máscara de Tela, Tradução, Pesquisa (dicionário), entre outras ...





17 a 21 de setembro de 2017 - Foz do Iguaçu • PR • Brasil

METODOLOGIAS ATIVAS E  
**TECNOLOGIAS**  
APLICADAS À  
**EDUCAÇÃO**

17 - 21 SETEMBRO 2017

FOZ DO IGUAÇU  
PR - BRASIL

Realização



# Obrigado! 😊

## [www.readspeaker.com](http://www.readspeaker.com)

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**ReadSpeaker**   
THE POWER OF **SPEECH**