Infobase Accessibility Conformance Report

International Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: *Today's Science* (TSOF)

Report Date: April 2021

Product Description: *Today's Science* is an online reference database providing science news written primarily for students.

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Evaluation Methods Used: The main testing tools and methods used were WAVE (Web Accessibility Evaluation Tool) from WebAIM, Colour Contrast Analyser (CCA), the IBM Equal Access Accessibility Checker, JAWS (Job Access With Speech) screen reader from Freedom Scientific, Narrator screen reader in Windows 10, an Apple iPad for mobile and manual keyboard testing. Browsers used were Google Chrome and Microsoft Edge.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)
EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe, - V3.1.1 (2019-11)	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- **Not Applicable**: The criterion is not relevant to the product.
- **Not Evaluated**: The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.1 Report

Tables 1 and 2 also document conformance with:

- EN 301 549: Chapter 9 - Web, Sections 10.1-10.4 of Chapter 10 - Non-Web documents, and Sections 11.1-11.4 and 11.8.2 of Chapter 11 - Non-Web Software (open and closed functionality), and Sections 12.1.2 and 12.2.4 of Chapter 12 – Documentation
- Revised Section 508: Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 – 602.3 Electronic Support Documentation.

Note: When reporting on conformance with the WCAG 2.1 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the WCAG 2.1 Conformance Requirements.

Table 1: Success Criteria, Level A

Notes: Tested the initial landing page, different search results pages, secondary navigation pages, articles, and some video player pages.

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: EN 301 549 Criteria • 9.1.1.1 (Web) • 10.1.1.1 (Non-web document) • 11.1.1.1.1 (Open Functionality Software) • 11.1.1.1.2 (Closed Functionality Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Most images have alternative text, or descriptions, or figure captions assigned to them. Some current exceptions are: Missing form labels. Test method: WAVE, ARC Toolkit, JAWS, manual visual checks
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria • 9.1.2.1 (Web) • 10.1.2.1 (Non-web document) • 11.1.2.1.1 (Open Functionality Software) • 11.1.2.1.2.1 and 11.1.2.1.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	There is no prerecorded audio-only or prerecorded video-only media within the *TSOF* website. Please note WCAG Understanding Conformance states the following: • If there is no content to which a success criterion applies, the success criterion is satisfied. Test method: Manual visual checks

1.2.2 Captions (Prerecorded) (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.1.2.2 (Web)
   • 10.1.2.2 (Non-web document)
   • 11.1.2.2 (Open Functionality Software)
   • 11.1.2.2 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Supports	Generally, non-live videos have synchronized closed captioning. Third-party video content hosted on third-party sites, however, cannot be guaranteed to have transcripts or captions.
		
		Test method: Manual visual checks

1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.1.2.3 (Web)
   • 10.1.2.3 (Non-web document)
   • 11.1.2.3.1 (Open Functionality Software)
   • 11.1.2.3.2 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Partially Supports	Interactive text transcripts are provided for most videos. Audio descriptions are not available for videos at this time.
		
		Test method: Manual visual checks

1.3.1 Info and Relationships (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.1.3.1 (Web)
   • 10.1.3.1 (Non-web document)
   • 11.1.3.1.1 (Open Functionality Software)
	Partially Supports	*TSOF* uses semantically correct HTML. When standard HTML is insufficient, ARIA labels provide the necessary programmatic information on specific page elements.
		
		Some current exceptions are:

• 11.1.3.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		• Missing form labels not associated with form inputs elements. • There is some legacy content that uses HTML tables for the layout of images. Some of these tables do not yet specify their presentation role, which would allow assistive technology to ignore the table markup. These issues are currently being evaluated and will be repaired in future updates. Test method: WAVE, JAWS, HTML_CodeSniffer, manual visual checks
1.3.2 Meaningful Sequence (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.2 (Web) • 10.1.3.2 (Non-web document) • 11.1.3.2.1 (Open Functionality Software) • 11.1.3.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	The reading and navigation order of the content is logical and intuitive. The page content is linear and can be read with a screen reader sequentially whether style sheets are altered or disabled. Test method: WAVE, JAWS, manual visual checks
1.3.3 Sensory Characteristics (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.3 (Web) • 10.1.3.3 (Non-web document) • 11.1.3.3 (Open Functionality Software) • 11.1.3.3 (Closed Software)	Supports	Instructions for understanding and operating content do not rely on sensory characteristics, such as shape, size, or visual location. Typically, plain text instructions and labels are provided. Instructions do not rely upon sound. Test method: WAVE, manual visual checks

• 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		
1.4.1 Use of Color (Level A) Also applies to: EN 301 549 Criteria • 9.1.4.1 (Web) • 10.1.4.1 (Non-web document) • 11.1.4.1 (Open Functionality Software) • 11.1.4.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Generally, color is not the sole means to convey information in *TSOF*. An underline distinction is provided upon mouse hover or when a link receives keyboard focus. Furthermore, consistent page design and layout of content are also used to convey information, indicate an action, prompt a response, or distinguish a visual element in addition to color. Testing method: Manual visual checks
1.4.2 Audio Control (Level A) Also applies to: EN 301 549 Criteria • 9.1.4.2 (Web) • 10.1.4.2 (Non-web document) • 11.1.4.2 (Open Functionality Software) • 11.1.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Supports	Videos with audio do not play automatically on *TSOF*. On the video player, there is a mechanism available to control audio volume. Testing method: Manual visual checks

● 602.3 (Support Docs)		

2.1.1 Keyboard (Level A)
Also applies to:
EN 301 549 Criteria
● 9.2.1.1 (Web)
● 10.2.1.1 (Non-web document)
● 11.2.1.1.1 (Open Functionality Software)
● 11.2.1.1.2 (Closed Software)
● 11.8.2 (Authoring Tool)
● 12.1.2 (Product Docs)
● 12.2.4 (Support Docs)
Revised Section 508
● 501 (Web)(Software)
● 504.2 (Authoring Tool)
● 602.3 (Support Docs)
	Partially Supports	Almost all page functionality within *TSOF* is available using the keyboard.
		
		Some current exceptions are:
		
		● The Curriculum Tools page is not yet totally keyboard accessible.
		● The keyboard is also skipping:
		  ○ The Search Box Button Icon.
		  ○ "Having trouble logging in?" link – in the Your Profile modal.
		  ○ The "FILTER BY TOPIC" links on all Topics pages (right-hand side panel).
		  ○ Topics pages for the single or grid view menu and the copy to clipboard page component links above the FILTER BY TOPIC panel.
		● There is an on and off mechanism that reveals glossary terms or words within paragraph text in articles. Upon a mouse pointer hover, the glossary term shows additional pop-up content, i.e., a glossary term definition. This supplemental content is currently not keyboard accessible.
		● The Crossword Puzzles are not keyboard accessible.
		● Future updates are planned for these and other gaps within the keyboard accessibility of *TSOF*.
		
		Testing method: Manual visual checks

2.1.2 No Keyboard Trap (Level A)
Also applies to:
EN 301 549 Criteria
    • 9.2.1.2 (Web)
    • 10.2.1.2 (Non-web document)
    • 11.2.1.2 (Open Functionality Software)
    • 11.2.1.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Supports	Keyboard controls can be used to move keyboard focus throughout the platform without being trapped on a particular component.
		
		Testing method: Manual visual checks

2.1.4 Character Key Shortcuts (Level A 2.1 only)
Also applies to:
EN 301 549 Criteria
    • 9.2.1.4 (Web)
    • 10.2.1.4 (Non-web document)
    • 11.2.1.4.1 (Open Functionality Software)
    • 11.2.1.4.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Not Applicable	*TSOF* does not use or have character key shortcuts

2.2.1 Timing Adjustable (Level A)
Also applies to:
EN 301 549 Criteria
    • 9.2.2.1 (Web)
    • 10.2.2.1 (Non-web document)
    • 11.2.2.1 (Open Functionality Software)
    • 11.2.2.1 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
	Supports	*TSOF* does not have any perceptible timed response requirements.
		
		Testing method: Manual visual checks

• 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)		

2.2.2 Pause, Stop, Hide (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.2.2.2 (Web)
   • 10.2.2.2 (Non-web document)
   • 11.2.2.2 (Open Functionality Software)
   • 11.2.2.2 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Supports	*TSOF* does not have any moving, blinking, scrolling, or auto-updating content.
		
		Testing method: Manual visual checks

2.3.1 Three Flashes or Below Threshold (Level A)
Also applies to:
EN 301 549 Criteria
   • 9.2.3.1 (Web)
   • 10.2.3.1 (Non-web document)
   • 11.2.3.1 (Open Functionality Software)
   • 11.2.3.1 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Supports	*TSOF* does not use flashing or blinking elements in the user interface.
		
		Testing method: Manual visual checks

2.4.1 Bypass Blocks (Level A)
Also applies to:
EN 301 549 Criteria
    ● 9.2.4.1 (Web)
    ● 10.2.4.1 (Non-web document) – Does not apply
    ● 11.2.4.1 (Open Functionality Software) – Does not apply
    ● 11.2.4.1 (Closed Software) – Does not apply
    ● 11.8.2 (Authoring Tool)
    ● 12.1.2 (Product Docs)
    ● 12.2.4 (Support Docs)
Revised Section 508
    ● 501 (Web)(Software) – Does not apply to non-web software
    ● 504.2 (Authoring Tool)
    ● 602.3 (Support Docs) – Does not apply to non-web docs
	Supports	Skip to Main Content bypass link is available on all pages.
		
		Testing method: Manual visual checks

2.4.2 Page Titled (Level A)
Also applies to:
EN 301 549 Criteria
    ● 9.2.4.2 (Web)
    ● 10.2.4.2 (Non-web document)
    ● 11.2.4.2 (Open Functionality Software) - Does not apply
    ● 11.2.4.2 (Closed Software) – Does not apply
    ● 11.8.2 (Authoring Tool)
    ● 12.1.2 (Product Docs)
    ● 12.2.4 (Support Docs)
Revised Section 508
    ● 501 (Web)(Software)
    ● 504.2 (Authoring Tool)
    ● 602.3 (Support Docs)
	Supports	All web pages include titles that describe the topic or purpose.
		
		Testing method: WAVE, manual visual, and code checks

2.4.3 Focus Order (Level A)
Also applies to:
EN 301 549 Criteria
    ● 9.2.4.3 (Web)
    ● 10.2.4.3 (Non-web document)
    ● 11.2.4.3 (Open Functionality Software)
	Supports	Navigation order of links, form elements, and object elements are all in logical and intuitive keyboard focus order.
		
		Testing method: WAVE, JAWS, Manual visual and code checks

• 11.2.4.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		
2.4.4 Link Purpose (In Context) (Level A) Also applies to: EN 301 549 Criteria • 9.2.4.4 (Web) • 10.2.4.4 (Non-web document) • 11.2.4.4 (Open Functionality Software) • 11.2.4.4 (Closed Software • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	The purpose of most links can usually be determined by text alone or by its context to a surrounding paragraph or list. More programmatically determined markup will be a priority in future updates to describe some ambiguous link purposes such as image links and empty buttons. Testing method: WAVE, JAWS, manual visual checks
2.5.1 Pointer Gestures (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.1 (Web) • 10.2.5.1 (Non-web document) • 11.2.5.1 (Open Functionality Software) • 11.2.5.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Not Applicable	*TSOF* does not have any multipoint or path-based gestures interaction elements.

2.5.2 Pointer Cancellation (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.2 (Web) • 10.2.5.2 (Non-web document) • 11.2.5.2 (Open Functionality Software) • 11.2.5.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	*TSOF* does not override the default behavior of controls. Therefore all functionality used by a mouse, for instance, can be canceled using the browser or operating system. Testing method: Manual visual checks
2.5.3 Label in Name (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.3 (Web) • 10.2.5.3 (Non-web document) • 11.2.5.3.1 (Open Functionality Software) • 11.2.5.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Interface components such as links or buttons have the same accessible name as the visible text. Current exceptions may include empty and missing labels in form controls. Testing method: Manual visual checks
2.5.4 Motion Actuation (Level A 2.1 only) Also applies to: EN 301 549 Criteria • 9.2.5.4 (Web) • 10.2.5.4 (Non-web document) • 11.2.5.4 (Open Functionality Software) • 11.2.5.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Not Applicable	*TSOF* does not have any functionality that can be operated by device motion or user motion.

3.1.1 Language of Page (Level A) Also applies to: EN 301 549 Criteria • 9.3.1.1 (Web) • 10.3.1.1 (Non-web document) • 11.3.1.1.1 (Open Functionality Software) • 11.3.1.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Does Not Support	Future developments will ensure the default language of each page in the platform can be programmatically determined. HTML language attributes <html … lang="en"> WILL BE present in all pages in future updates. Testing method: WAVE, manual visual, and code checks
3.2.1 On Focus (Level A) Also applies to: EN 301 549 Criteria • 9.3.2.1 (Web) • 10.3.2.1 (Non-web document) • 11.3.2.1 (Open Functionality Software) • 11.3.2.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Page elements upon focus do not change substantially on the page. No interference occurs. Testing method: Manual visual checks
3.2.2 On Input (Level A) Also applies to: EN 301 549 Criteria • 9.3.2.2 (Web) • 10.3.2.2 (Non-web document) • 11.3.2.2 (Open Functionality Software)	Supports	User inputs and controls are predictable. There are no substantial changes to pages during the input of information that could confuse or disorient a user. Testing method: WAVE, Manual visual checks

• 11.3.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		
3.3.1 Error Identification (Level A) Also applies to: EN 301 549 Criteria • 9.3.3.1 (Web) • 10.3.3.1 (Non-web document) • 11.3.3.1.1 (Open Functionality Software) • 11.3.3.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	When input errors are detected, the item causing the error is identified, and the error is described in the text. Testing method: Manual visual checks
3.3.2 Labels or Instructions (Level A) Also applies to: EN 301 549 Criteria • 9.3.3.2 (Web) • 10.3.3.2 (Non-web document) • 11.3.3.2 (Open Functionality Software) • 11.3.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software)	Partially Supports	Sufficient labels, cues, and instructions are provided when user input is required. Some current exceptions are: • Some label elements were found to be missing from associated text inputs in form controls during testing. • Missing form labels will be added in future updates. Testing method: WAVE, JAWS, manual visual checks

• 504.2 (Authoring Tool) • 602.3 (Support Docs)		

4.1.1 Parsing (Level A)
Also applies to:
EN 301 549 Criteria
    • 9.4.1.1 (Web)
    • 10.4.1.1 (Non-web document)
    • 11.4.1.1.1 (Open Functionality Software)
    • 11.4.1.1.2 (Closed Software) – Does not apply
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Partially Supports	All pages conform to modern HTML/XHTML web standards. The validator: https://validator.w3.org/ found some parsing errors, but not significant enough to affect the accessibility of *TSOF*.
		
		Testing method: WAVE, validator.w3.org, HTML_CodeSniffer, manual visual checks

4.1.2 Name, Role, Value (Level A)
Also applies to:
EN 301 549 Criteria
    • 9.4.1.2 (Web)
    • 10.4.1.2 (Non-web document)
    • 11.4.1.2.1 (Open Functionality Software)
    • 11.4.1.2.2 (Closed Software) – Not required
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Partially Supports	*TSOF* uses markup designed to facilitate accessibility by following HTML specifications. Name, role, and value attributes are used extensively throughout the site, as well as ARIA when HTML is not sufficient.
		
		Some current exceptions are:
		
		    • Some reoccurring SVG images are missing aria-label attributes that describe the purpose of the image.
		    • Missing aria-labels will be added in future updates.
		
		Testing method: WAVE, validator.w3.org, HTML_CodeSniffer, manual visual checks

Table 2: Success Criteria, Level AA

Notes: Tested the initial landing page, different search results pages, secondary navigation pages, articles, and some video player pages.

Criteria	Conformance Level	Remarks and Explanations

1.2.4 Captions (Live) (Level AA)
Also applies to:
EN 301 549 Criteria
    • 9.1.2.4 (Web)
    • 10.1.2.4 (Non-web document)
    • 11.1.2.4 (Open Functionality Software)
    • 11.1.2.4 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Supports	There is no live content in *TSOF.* Since there is no content to which this criterion applies, this criterion is satisfied.
		
		Testing method: Manual visual checks

1.2.5 Audio Description (Prerecorded) (Level AA)
Also applies to:
EN 301 549 Criteria
    • 9.1.2.5 (Web)
    • 10.1.2.5 (Non-web document)
    • 11.1.2.5 (Open Functionality Software)
    • 11.1.2.5 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
    • 504.2 (Authoring Tool)
    • 602.3 (Support Docs)
	Partially Supports	We do not provide audio descriptions for prerecorded videos. However, closed captioning and interactive transcripts are available.
		
		Testing method: Manual visual checks

1.3.4 Orientation (Level AA 2.1 only)
Also applies to:
EN 301 549 Criteria
    • 9.1.3.4 (Web)
    • 10.1.3.4 (Non-web document)
    • 11.1.3.4 (Open Functionality Software)
    • 11.1.3.4 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Supports	*TSOF* orientation on mobile devices is not restricted to only portrait or landscape.
		
		Testing method: Apple iPad, Manual visual checks

1.3.5 Identify Input Purpose (Level AA 2.1 only)
Also applies to:
EN 301 549 Criteria
    • 9.1.3.5 (Web)
    • 10.1.3.5 (Non-web document)
    • 11.1.3.5.1 (Open Functionality Software)
    • 11.1.3.5.2 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508 – Does not apply
	Supports	*TSOF* allows standard user interface components such as contact forms to auto-fill in the fields for usernames, passwords, and e-mail addresses.
		
		Testing method: Manual visual checks

1.4.3 Contrast (Minimum) (Level AA)
Also applies to:
EN 301 549 Criteria
    • 9.1.4.3 (Web)
    • 10.1.4.3 (Non-web document)
    • 11.1.4.3 (Open Functionality Software)
    • 11.1.4.3 (Closed Software)
    • 11.8.2 (Authoring Tool)
    • 12.1.2 (Product Docs)
    • 12.2.4 (Support Docs)
Revised Section 508
    • 501 (Web)(Software)
	Supports	The visual presentation of text has a contrast ratio of at least 4.5:1.
		
		There are two areas where text was found with low contrast but are not contrast errors as they are considered incidental or decoration text:
		
		    • In the A to Z navigation, the "no letter content" class of lettering.
		    • Footer access provided by text.

• 504.2 (Authoring Tool) • 602.3 (Support Docs)		Testing method: WAVE, Colour Contrast Analyser, and manual visual checks
1.4.4 Resize text (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.4 (Web) • 10.1.4.4 (Non-web document) • 11.1.4.4.1 (Open Functionality Software) • 11.1.4.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Text, including captions, can be resized up to 200 percent without loss of content or functionality. Testing method: Manual visual checks
1.4.5 Images of Text (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.5 (Web) • 10.1.4.5 (Non-web document) • 11.1.4.5.1 (Open Functionality Software) • 11.1.4.5.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Images of text are not generally used and were not found during testing. Testing method: Manual visual checks
1.4.10 Reflow (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.10 (Web)	Supports	There is no loss of content, functionality, or horizontal scrolling when content is zoomed in at 400 percent. Testing method: Apple iPad, Manual visual checks

• 10.1.4.10 (Non-web document) • 11.1.4.10 (Open Functionality Software) • 11.1.4.10 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply		
1.4.11 Non-text Contrast (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.11 (Web) • 10.1.4.11 (Non-web document) • 11.1.4.11 (Open Functionality Software) • 11.1.4.11 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	*TSOF* uses thousands of complex images in many articles as supplemental content. These images help illustrate the themes and main points of the articles. It is, therefore, possible, many complex images may have insufficient contrast. However, all these images will have accompanied adjacent text descriptions to provide context to screen readers and assistive technology. Examples of these complex images may include charts, graphs, diagrams, illustrations of scientific processes, and maps. Testing method: Manual visual checks
1.4.12 Text Spacing (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.12 (Web) • 10.1.4.12 (Non-web document) • 11.1.4.12 (Open Functionality Software) • 11.1.4.12 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	No loss of content or functionality occurs when the user adapts text spacing within markup. There are no height or spacing restrictions within *TSOF* text paragraphs. The platform, therefore, should support the use of space widgets, plugins, or third-party browser tools. Testing method: Manual visual checks
1.4.13 Content on Hover or Focus (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.1.4.13 (Web)	Does Not Support	In *TSOF*, there are glossary terms or words that, upon a mouse pointer hover, show additional pop-up content, i.e., a glossary term definition.

10.1.4.13 (Non-web document) 11.1.4.13 (Open Functionality Software) 11.1.4.13 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 – Does not apply		Upon pointer hover, the glossary term definition disappears or closes as the pointer moves away from the glossary term and towards the pop-up content. This functionality is being looked at to be repaired in future updates. Testing method: Manual visual checks
2.4.5 Multiple Ways (Level AA) Also applies to: EN 301 549 Criteria 9.2.4.5 (Web) 10.2.4.5 (Non-web document) – Does not apply 11.2.4.5 (Open Functionality Software) – Does not apply 11.2.4.5 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs	Supports	There are multiple ways to reach core content, including search, browse, and direct links. The main navigation area is always available on every page. Testing method: Manual visual checks
2.4.6 Headings and Labels (Level AA) Also applies to: EN 301 549 Criteria 9.2.4.6 (Web) 10.2.4.6 (Non-web document) 11.2.4.6 (Open Functionality Software) 11.2.4.6 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool)	Partially Supports	Most heading structures and form labels are informative and compliant with accessibility standards. As mentioned, many elements are labeled using ARIA. Some current exceptions are: not all form controls have properly associated text labels. The repair of form controls and text labels will be addressed in future updates. Testing method: WAVE, JAWS, manual visual checks

• 602.3 (Support Docs)		

2.4.7 Focus Visible (Level AA)
Also applies to:
EN 301 549 Criteria
   • 9.2.4.7 (Web)
   • 10.2.4.7 (Non-web document)
   • 11.2.4.7 (Open Functionality Software)
   • 11.2.4.7 (Closed Software)
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Partially Supports	Most user interface components are highlighted by the user agent when they receive focus.
		
		Some current exceptions are:
		
		   • Search button icon
		   • "Having trouble logging in?" link – in the Your Profile modal
		
		Testing method: Manual visual checks

3.1.2 Language of Parts (Level AA)
Also applies to:
EN 301 549 Criteria
   • 9.3.1.2 (Web)
   • 10.3.1.2 (Non-web document)
   • 11.3.1.2 (Open Functionality Software) – Does not apply
   • 11.3.1.2 (Closed Software) – Does not apply
   • 11.8.2 (Authoring Tool)
   • 12.1.2 (Product Docs)
   • 12.2.4 (Support Docs)
Revised Section 508
   • 501 (Web)(Software)
   • 504.2 (Authoring Tool)
   • 602.3 (Support Docs)
	Supports	There is no non-English content on *TSOF.* Since there is no content to which this criterion applies, this criterion is satisfied.
		
		Testing method: Manual visual checks

3.2.3 Consistent Navigation (Level AA) Also applies to: EN 301 549 Criteria • 9.3.2.3 (Web)	Supports	The repeated navigational mechanisms, such as the header and search options, are repeated in the same relative order.

10.3.2.3 (Non-web document) – Does not apply 11.3.2.3 (Open Functionality Software) – Does not apply 11.3.2.3 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs		Testing method: Manual visual checks
3.2.4 Consistent Identification (Level AA) Also applies to: EN 301 549 Criteria 9.3.2.4 (Web) 10.3.2.4 (Non-web document) – Does not apply 11.3.2.4 (Open Functionality Software) – Does not apply 11.3.2.4 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs	Supports	Components with the same functionality are always identified the same way within the platform. Testing method: Manual visual checks
3.3.3 Error Suggestion (Level AA) Also applies to: EN 301 549 Criteria 9.3.3.3 (Web) 10.3.3.3 (Non-web document) 11.3.3.3 (Open Functionality Software) 11.3.3.3 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs)	Supports	When an input error is detected, a suggestion is given to correct the mistake. For example, an incorrectly entered date will result in a recommendation for the user to re-enter the information into the correct format. Testing method: Manual visual checks

Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: EN 301 549 Criteria • 9.3.3.4 (Web) • 10.3.3.4 (Non-web document) • 11.3.3.4 (Open Functionality Software) • 11.3.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	*TSOF* does not conduct legal commitments or financial transactions on its platform. Since there is no content to which this criterion applies, this criterion is satisfied. Testing method: Manual visual checks
4.1.3 Status Messages (Level AA 2.1 only) Also applies to: EN 301 549 Criteria • 9.4.1.3 (Web) • 10.4.1.3 (Non-web document) • 11.4.1.3 (Open Functionality Software) • 11.4.1.3 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	Components with the same functionality are always identified the same way within the platform. Testing method: Manual visual checks

Table 3: Success Criteria, Level AAA

Notes: *Today's Science* is not being evaluated for Level AAA conformance.

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Chapter 3: [Functional Performance Criteria](#) (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	*TSOF* content is accessible with Assistive Technology (AT), such as JAWS or NVDA screen reader applications. Exceptions: • Some linked images in secondary results pages, some recurring empty buttons, and missing form labels may cause some identification challenges with AT.
302.2 With Limited Vision	Supports	*TSOF* supports browser magnification up to 400%. Additionally, *TSOF* content is accessible with AT and does not interfere with the operating system's controls, such as high contrast mode.
302.3 Without Perception of Color	Partially Supports	Generally, color is not the sole means to convey information or content in *TSOF*. The use of design patterns and link placement convey information, so color perception is not entirely needed to navigate TSOF.
302.4 Without Hearing	Supports	*TSOF's* video player supports closed captions and has interactive transcripts.
302.5 With Limited Hearing	Supports	*TSOF's* video player supports closed captions and has interactive transcripts.

302.6 Without Speech	Not Applicable	Use of speech is not required to access *TSOF* content.
302.7 With Limited Manipulation	Supports	*TSOF* supports standard input mechanisms such as keyboard navigation.
302.8 With Limited Reach and Strength	Supports	*TSOF* supports standard input mechanisms such as keyboard navigation.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	*TSOF* has no timed response limits. Error indications and suggestions are also provided in most cases. Logical keyboard navigation and tab focus order functionality is available across the platform as well.

Chapter 4: Hardware

Notes: *Today's Science* is a website and is not subject to the requirement of this section.

Chapter 5: Software

Notes: *Today's Science* is a web-only platform and is not subject to non-web software criteria since they have been addressed in the above WCAG 2.1 and Revised Section 508 conformance tables.

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	Documentation of accessibility and compatibility features is available in the platform help center.
602.3 Electronic Support Documentation	See WCAG 2.1 section	See information in WCAG 2.1 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	All support documentation is available electronically or can be printed. If alternate formats of documentation are

		required, they can be made available upon request.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	Documentation of accessibility and compatibility features is available in the platform help center. Support is also provided over e-mail, telephone, and live chat.
603.3 Accommodation of Communication Needs	Supports	The _TSOF_ support team can be contacted for assistance via e-mail, phone, or live chat. Other methods can be made available upon request.

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Chapter 4: Functional Performance Statements (FPS)

Criteria	Conformance Level	Remarks and Explanations
4.2.1 Usage without vision	Partially Supports	*TSOF* content is accessible with Assistive Technology (AT), such as JAWS or NVDA screen reader applications. Exceptions: ● Some linked images in secondary results pages, some recurring empty buttons, and missing form labels may cause some identification challenges with AT.
4.2.2 Usage with limited vision	Supports	*TSOF* supports browser magnification up to 400%. Additionally, *TSOF* content is accessible with AT and does not interfere with the operating system's controls, such as high contrast mode.
4.2.3 Usage without perception of colour	Partially Supports	Generally, color is not the sole means to convey information or content in *TSOF*. The use of design patterns and link placement convey information, so color perception is not entirely needed to navigate TSOF.
4.2.4 Usage without hearing	Supports	*TSOF's* video player supports closed captions and has interactive transcripts.
4.2.5 Usage with limited hearing	Supports	*TSOF's* video player supports closed captions and has interactive transcripts.

4.2.6 Usage with no or limited vocal capability	Not Applicable	Use of speech is not required to access *TSOF* content.
4.2.7 Usage with limited manipulation or strength	Supports	*TSOF* supports standard input mechanisms such as keyboard navigation.
4.2.8 Usage with limited reach	Supports	*TSOF* supports standard input mechanisms such as keyboard navigation.
4.2.9 Minimize photosensitive seizure triggers	Supports	The pages of this product do not contain anything that flashes.
4.2.10 Usage with limited cognition, language or learning	Supports	*TSOF* has no timed response limits. Error indications and suggestions are also provided in most cases. Logical keyboard navigation and tab focus order functionality is available across the platform as well.
4.2.11 Privacy	Supports	*TSOF* does not stop a user from using their own privacy tools when interacting with the content.

Chapter 5: Generic Requirements

Notes: *TSOF* supports standard input mechanisms and assistive technology devices and software. Therefore, *TSOF* is not subject to the Closed functionality chapter criteria as published in the ETSI EN 301 549 report.

Chapter 6: ICT with Two-Way Voice Communication

Notes: *TSOF* does not offer two-way voice communication in any way. Therefore, *TSOF* is not subject to the Two-Way Voice Communication chapter criteria as published in the ETSI EN 301 549 report.

Chapter 7: ICT with Video Capabilities

Criteria	Conformance Level	Remarks and Explanations
7.1 Caption processing technology	Heading cell – no response required	Heading cell – no response required

7.1.1 Captioning playback	Partially Supports	*TSOF's* video player supports closed captions and interactive transcripts for all Infobase videos. Possible exceptions are third-party video content hosted on third-party sites. *TSOF* cannot guarantee these videos will have transcripts or captions.
7.1.2 Captioning synchronization	Partially Supports	*TSOF's* video player supports synchronized closed captions and interactive transcripts for all Infobase videos. Possible exceptions are third-party video content hosted on third-party sites. *TSOF* cannot guarantee these videos will have transcripts or captions.
7.1.3 Preservation of captioning	Partially Supports	For video captions hosted by Infobase, the default caption display's appearance is not overridden or changed in any way. As stated, third-party videos cannot be guaranteed to have transcripts or captions.
7.2.1 Audio description playback	Does Not Support	Audio descriptions are not included with Infobase videos.
7.2.2 Audio description synchronization	Does Not Support	Audio descriptions are not included with Infobase videos.
7.2.3 Preservation of audio description	Does Not Support	Audio descriptions are not included with Infobase videos.
7.3 User controls for captions and audio description	Partially Supports	Audio descriptions are not included with Infobase videos. Text transcripts of Infobase videos are available for download

		at the same level as other playback controls or within the page's video player region.

Chapter 8: Hardware

Notes: *Today's Science* is a website and is not subject to the requirement of this section.

Chapter 9: Web *(see WCAG 2.1 section)*

Chapter 10: Non-Web Software

Notes: *Today's Science* does not include non-web documents. Therefore, *TSOF* is not subject to the requirements of this section.

Chapter 11: Software

Notes: *Today's Science* is a web-only platform and is not subject to non-web software criteria since they have been addressed in the above WCAG 2.1 and Revised Section 508 conformance tables.

Chapter 12: Documentation and Support Services

Criteria	Conformance Level	Remarks and Explanations
12.1 Product documentation	Heading cell – no response required	Heading cell – no response required
12.1.1 Accessibility and compatibility features	Supports	Documentation of accessibility and compatibility features is available in the platform help center.
12.1.2 Accessible documentation	See WCAG 2.1 section	See information in WCAG 2.1 section
12.2 Support Services	Heading cell – no response required	Heading cell – no response required
12.2.2 Information on accessibility and compatibility features	Supports	Documentation of accessibility and compatibility features is available in the platform help center. Support is also

		provided over e-mail, telephone, and live chat.
12.2.3 Effective communication	Supports	The *TSOF* support team can be contacted for assistance via e-mail, phone, or live chat. Other methods can be made available upon request.
12.2.4 Accessible documentation	See [WCAG 2.1](#) section	See information in WCAG 2.1 section

Chapter [13: ICT Providing Relay or Emergency Service Access](#)

Notes: *TSOF* does not provide any relay services. There is also no access to Emergency Services from within *TSOF*.

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