

# **HLP Highlight Tool**

# **HLP 19 – Use Assistive and Instructional Technologies**

Embedded HLP under Pillar Explicit Instruction (HLP 16) & HLP 7

## Here’s What It Is:

Instructional technologies are transforming education, providing new opportunities for students to interact with content in a variety of ways. For many students with disabilities, assistive and instructional technologies facilitate access to the curriculum, enhancing student learning and their ability to fully participate independently. For this reason, a statement of needed assistive technology supports is required in every IEP. Teachers collaborate with AT specialists, who use the Student-Environment-Task-Tool (SETT) approach.to evaluate students’ needs and select appropriate assistive and instructional technologies (Aceves & Kennedy, 2024). Instructional and assistive technologies follow the principles of Universal Design for Learning (UDL), providing equity and access to all (Aceves & Kennedy, 2024).

Tools:  [HLP Self-Assessment Tool](https://highleveragepractices.org/assessment-tools-high-leverage-practices-students-disabilities) [SETT Framework and Evaluating Assistive Technology](https://ttaconline.org/Resource/JWHaEa5BS76n9CUvfXtttQ/Resource-the-sett-framework-and-evaluating-assistive-technology-remotely-council-for-exceptional-children)

## When Do I Use It?

* When instructional technology aligns with learning goals and enhances learning for all students.
* When a student’s needs require assistive technology to access and benefit from specialized instruction
* When students need require assistive technology to demonstrate understanding of content and/or perform an instructional task

## How to Use It

* Identify approved district instructional technology that aligns with learning goals.
* Collaborate with AT specialists during the IEP process.

## Here’s What It Looks Like:

* [HLP 19 Video](https://youtu.be/BlvcdB70aE0?si=ogZzAbcow9PdLKsX) (15:10)

## **Selected Resources**:

### Literacy:

* [W&M TTAC: Assistive Technology Dyslexia Resources](https://education.wm.edu/centers/ttac/documents/webinars/dyslexiaatandaccommodationsresources.pdf)
* [Virginia Assistive Technology, Tools, and Strategies (VATTS): Consideration Guide and Resources (VDOE's Assistive Technology Network) - TTAC Online (2022)](http://ttaconline.org/Resource/JWHaEa5BS75nePozAfF_2A/Resource-2022-virginia-assistive-technology-tools-and-strategies-vatts-consideration-guide-and-resources)
* [AIM-VA: Accessible Instructional Materials for Virginia](https://aimva.org/)
* [Virginia Assistive Technology Network - AT Lab Reading](https://docs.google.com/presentation/d/e/2PACX-1vRy8NgSDVPQ1Nqo_-Ay8LJ261Pl16dJW6haa2JHnQWn5H3HDrXrPAzhz9avdQB2cOnanIId62SlLgr1/embed?start=false&loop=false&delayms=60000&slide=id.gdeb266873c_0_13)
* [Bookshare](https://www.bookshare.org/cms/)

### Mathematics:

* National Center on Educational Accessible Materials - [Mathematics](https://ttaconline.org/Resource/JWHaEa5BS753RcoemRFpog/Resource-teaching-accessible-math-national-center-on-accessible-educational-materials)
* [Desmos Online Calculator](http://ttaconline.org/Resource/JWHaEa5BS74nd1Y_rUxDaQ/Resource-desmos-online-calculator-virginia-department-of-education-vdoe)
* [EquatIO: Make Math Digital](https://ttaconline.org/Resource/JWHaEa5BS74mGaZqY8uKqw/Resource-equatio-make-math-digital)
* [Graspable Math](https://ttaconline.org/Resource/JWHaEa5BS74VXoj3WCzwqw/Resource-graspable-math)
* [GeoGebra Geometry](https://ttaconline.org/Resource/JWHaEa5BS74iiis2iVv0WQ/Resource-geogebra-geometry)
* [Mathshare (Multi-Step)](https://mathshare.pearlspotsystems.com/#/)

### Virtual Manipulatives:

* [Didax Virtual Manipulatives](https://www.didax.com/math/virtual-manipulatives.html)
* [EquatIO Activities Database](https://mautic.texthelp.com/equatio-activity-database)
* [Math Playground](https://www.mathplayground.com/)
* [Math Learning Center](https://www.mathlearningcenter.org/apps)
* [National Library of Virtual Manipulatives](http://nlvm.usu.edu/en/nav/vlibrary.html)
* [Toy Theatre](https://toytheater.com/category/teacher-tools/virtual-manipulatives/)

# **Resources to Extend Learning:**

* [IRIS Center](https://iris.peabody.vanderbilt.edu/resources/high-leverage-practices/): High Leverage Practices
* [High Leverage Practices](http://www.highleveragepractices.org)
* [IRIS Center- Assistive Technology: An Overview](https://ttaconline.org/Resource/JWHaEa5BS77ReOFJSXahTA/Resource-assistive-technology-an-overview-iris-center)
* [VDOE K-12 Inclusive Practices Guide](https://ttaconline.org/Resource/JWHaEa5BS75C1bTWZe8KQA/Resource-k-12-inclusive-practices-guide-virginia-department-of-education-vdoe)
* [Assistive Technology Tools in Schools](http://ttaconline.org/Resource/JWHaEa5BS7573Ge9WCLXtg/Resource-at-tools-in-schools-booklet-available-in-spanish-vdoes-assistive-technology-network)

## References

Aceves, T. C., & Kennedy, M. J. (Eds.) (2024, February). *High-leverage practices for students with disabilities. 2nd edition*. Arlington, VA: Council for Exceptional Children and CEEDAR Center.

Archer, A. L., & Hughes, C. A. (2011). Explicit instruction: Effective and efficient teaching. New York: Guilford Press.

CEEDAR Center (2024). *High-leverage practices self-assessment tool*.  Retrieved from <https://ceedar.education.ufl.edu/high-leverage-practices/>

Curry, C., Perez, L., Zabala, J., Peters, J., Kennedy, M., & Howorth, S.  (2021) HLP 19: Use Assistive and Instructional Technology. <https://highleveragepractices.org/hlp-19-use-assistive-and-instructional-technologies>

Hashey, A. I., Kaczorowski, T. L., & DiCesare, D. M. (2020). High-Leverage Practices in Special Education, Guide 4. Council for Exceptional Children.

McLeskey, J. (Ed.). (2019). *High leverage practices for inclusive classrooms*. New York: Routledge.

## For additional HLP Highlight Tools, go to [TTAC](https://ttaconline.org/Resource/JWHaEa5BS75BpXRi_D6u2A/Resource-hlp-highlight-tools-1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22) Online

For information about TTAC Region 4, go to [https://ttac.gmu.edu/](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fttac.gmu.edu%2F&data=04%7C01%7Cctalber1%40gmu.edu%7C717a601d8f47402ccfc108d9fd416faf%7C9e857255df574c47a0c00546460380cb%7C0%7C0%7C637819279759882488%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000&sdata=GbznIwsPLTJua0kFL7zcwup4SVohdCUFFXuU1cQkHck%3D&reserved=0).