

Love Kids. Love Science.



Interactive Notebooks

*A Power Tool for Implementing UDL
in the Secondary Science Classroom*



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Presentation Resources

- **The Center for Applied Special Technology (CAST)**
Educational research and development organization dedicated to expanding learning opportunities for all individuals through universal design for learning (UDL).
<http://www.cast.org>
- **National Center on Universal Design for Learning**
Organization supporting the effective implementation of UDL by connecting stakeholders and providing resources and information.
www.udcenter.org
- **Teaching Science with Interactive Notebooks** by Kellie Marcarelli
<http://www.corwin.com/books/Book231624>
- **Lesson Plan to Introduce Notebooking**
http://phys.csuchico.edu/~ljatkins/SGSI/SGSI_files/Notebooks%20lesson%20plan.pdf
- **Instructions on how to make the mini “bound” book:**
<http://sbic.registereastconn.org/foldables/InterestBoundBook.pdf>



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Ten Characteristics of Interactive Notebooks

Adapted from: Marcarelli, Kellie. (2010). *Teaching Science with Interactive Notebooks* (pp. 1-21). Thousand Oaks, CA: Corwin

1. [The interactive notebook is] “...like my own piece of property that I have to take responsibility for. It shows my personal thinking and creativity. My notebook shows I can think for myself and figure out where I went wrong for myself instead of someone telling me.” - Student
2. Homework assignments and practice are built into the use of interactive notebooks, providing valuable processing opportunities.
3. Interactive notebooks connect students’ thinking, prior knowledge, and experiences with science concepts.
4. Interactive notebooks develop academic language. It provides a safe place to practice writing, express prior knowledge, and record newly acquired knowledge.
5. Notebooks encourage active learning and provide opportunities for students to pursue their own interests and tackle authentic problems.
6. Notebooks facilitate communication with parents, teachers, and specialists and can be used to provide them with evidence of student growth and facilitate development of intervention strategies.
7. Notebooks provide an ongoing record of student work and growth, leading to recognition from their peers, teachers, and parents.
8. Questions are present throughout students’ interactive notebooks, and the notebooks are richly littered with graphic organizers.
9. Science notebooks engage students in collaborative inquiry as a way of learning science content by recording data and observations and engaging in reflective thinking, discussion, and analysis.
10. Students take notes and illustrate their observations as they complete science investigations and create different kinds of graphs to represent their data.

Interactive Cafe Menu

Daily Specials

Appetizers - Starters

- Quick Draw
- Picture Collage
- Headline News
- Text Me

Entrees - Meaty Matters

- Graphic Organizer / Folding Model
- Flow Chart
- Thinking Map®
- Graph / Infographic

Sides - Cross Curricular

- Analogy
- Acrostic
- History Connection
- Acronym/Mnemonic

Desserts - Creative Flair

- Sketch / Pictograph
- Song / Poem / Rap
- Cartoon
- Game/ Puzzle

Beverages - Connections

- Reflection / Real World Connection
- Aha!
- Summary of Understanding
- Quick Write

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Universal Design for Learning Guidelines

