

Teaching designed so all students can learn

Teachers who use multiple learning approaches with individuals or small groups are differentiating instruction.

~Carol Ann Tomlinson

Parents know from experience that children have different learning styles, rates and preferences. Just ask any parent who has observed their preschool or kindergarten child's classroom. Some kids are playing quietly by themselves, while others play noisily in small groups. Another child prefers to draw instead of building with blocks. It doesn't take long to realize that children have unique interests and abilities that influence how they learn and get along with others.

Most likely your child's classroom includes students with a wide range of abilities and backgrounds. Each child is expected to learn the same subject content for their grade level, such as reading, math or writing. Yet we know that students learn differently. How teachers respond to this variety in learners can make a huge difference in the quality and quantity of your child's school experience.

When teachers use the right tools, it enables them to focus on students' interests and needs, while providing high quality instruction and curriculum.

This fact sheet describes three teaching tools to individualize learning for all students—differentiated instruction, Universal Design for Learning (UDL) and instructional accommodations. Teachers may use one or all of these methods in the classroom, depending on the needs of their students. As a parent, it is helpful to know how these methods can improve your child's education, especially when your child is not being challenged or is struggling in school.

How does differentiated instruction work?

According to Carol Ann Tomlinson, an expert in this area, differentiated instruction means adjusting teaching methods to meet the individual needs of all students in the classroom. Teachers who use multiple learning approaches with individuals or small groups are differentiating instruction. Differentiating instruction, however, does not mean watering down classroom lessons or expectations for students.

Although each student's learning style may differ, all students are expected to achieve the same academic standards for their grade level. In the case of students who exceed grade level expectations, the teacher's role is to encourage learning at a higher level. While students on Individualized Education Programs (IEPs) or 504 Plans may require modified standards and/or curriculum, they are still expected to achieve those standards to the greatest extent possible. Differentiating instruction allows teachers to focus on the student first and how he or she learns best.

There are four areas, according to Tomlinson, in which teachers may differentiate instruction—content, process, products and learning environment. A brief description of each area with examples follows.

1. **Content** includes the topics students must learn and how they will gain access to information. Teachers vary classroom content by
 - giving students written materials at varied reading levels
 - presenting ideas visually and/or auditorily
 - matching students with learning partners, and
 - meeting with students in small groups to reinforce a skill or concept.
2. **Process** means how students will learn or master the content. Some examples include
 - providing students with hands-on activities
 - allowing students to complete a task at their own rate of speed
 - providing more support to students who are struggling, and
 - enabling advanced students to pursue topics in-depth.
3. **Products** enable students to show what they have learned as well as providing them with choices. Students may choose to
 - put on a puppet show or create a drawing
 - work in small groups or by themselves, and
 - design a product on their own that meets learning requirements.
4. **Learning environment** describes the way in which the classroom works for and feels to students. In setting up the classroom, teachers
 - create quiet spaces as well as spaces that encourage cooperation among students
 - provide materials that are sensitive to their students' cultural and home backgrounds, and
 - develop routines that help students access help when the teacher is not available.

What needs to be in place for differentiation to work?

It is important to restate that differentiating instruction doesn't mean watering down lessons or curriculum. Teaching should be clearly focused with specific outcomes in mind. Students use a variety of methods and activities to increase their knowledge and demonstrate mastery through individual or small group products that peak their interest. Tomlinson believes that differentiated instruction works in the classroom when the following features are in place.

- On going assessment—Teachers evaluate student progress toward meeting instructional objectives regularly. They develop an understanding of who the student is and how he or she learns, and adjust teaching methods based on individual student needs.

- **Worthwhile and interesting work**—Teachers engage all learners by providing lessons that are interesting and focused on important knowledge and skills. They use multiple ways to reach their students, taking into consideration their diverse learning styles and needs.
- **Student-selected tasks**—Students are able to pursue their interests regarding a specific topic. The teacher encourages them to make choices about the tasks and products they complete.
- **Work in small groups**—Students have ongoing opportunities to work in small groups to complete tasks. Group composition is flexible so that students interact with a variety of classmates.
- **Present information in multiple ways.** Built into the curriculum are a variety of options for helping students learn and understand information. Teachers use a range of presentation styles and materials, such as print, video, audio and speech to individualize instruction.
- **Offer a variety of methods for organizing and completing tasks.** How students approach learning and demonstrate what they've learned depends on their ability to plan and organize information, typically called "executive functioning" skills. Teachers provide options for students that optimize their abilities. These may include hands on activities, small group work, oral or visual presentations and multiple choice tests.
- **Provide multiple ways to engage students in learning.** Motivating students to learn requires multiple. Routines and structure work for some students, while others prefer less structure and more creativity.

As you can see, differentiated instruction is a powerful teaching tool that focuses on the unique learning styles and needs of all students. Students are expected to do well, and they are given the support needed to achieve classroom instructional goals. The differentiated classroom is flexible; the work is interesting; and the environment promotes student success.

What is Universal Design for Learning (UDL)?

Like differentiated instruction, the goal of Universal Design for Learning (UDL) is to improve the ways in which students gain access to and use information. Developed by the Center for Applied Special Technology (CAST), UDL comes from the universal design movement in architecture, which looked at ways to make buildings and other structures accessible to the greatest number of users. Curb cuts, ramps and elevators are examples of universal design that enable people with mobility impairments as well as the general public to enter and access a building. Although specifically geared to students with Learning Disabilities, UDL benefits a wide range of students with and without special needs. The Center for Applied Special Technology identifies three principles to guide the practice of UDL.

Universal Design for Learning and Technology

Technology enhances teachers' abilities to effectively implement Universal Design for Learning in the classroom. For example, digital materials allow teachers to adapt lessons for individual students and to be flexible in how they present information. Teachers will find a great deal of free digital material available through the Internet. There are also many computer programs and devices that make student's work easier, such as *Inspiration*, which helps students organize their thoughts, and *Kurzweil*, which transfers the written word to speech. Depending on district resources, your child's school may have a variety of technology resources to use in and outside of the classroom.



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Instructional Accommodations

Accommodations are changes in a lesson plan, curriculum or learning environment that enable students to access learning. Typically, accommodations are used with students receiving special services through an IEP or 504 Plan. Similar to differentiated instruction and UDL, teachers strive to maintain high quality instruction while enabling students to learn at their own level. Some examples include large print, audiotapes, communication devices, visual organizers, extended time for assignments and a quiet space to work. When used on a regular basis, differentiated instruction and UDL may reduce the need for accommodations.

Resources

Reading Rockets:

www.readingrockets.org/article/c64/

Reading Rockets is a national project providing information and resources about how young kids learn to read, why so many struggle, and how caring adults can help.

http://communityed.stma.k12.mn.us/curriculum/Differentiation_Tips_for_Parents.php

In this article, the author simplifies information about differentiating instruction and provides additional websites to check out.

Center for Applied Special Technology:

www.cast.org/

CAST is a nonprofit organization working to expand learning opportunities for all individuals, especially those with disabilities, through Universal Design for Learning.

National Center for Learning Disabilities:

www.nclid.org/publications-a-more/parent-advocacy-guides/a-parent-guide-to-udl

The National Center for Learning Disabilities works to ensure that individuals with learning disabilities have every opportunity to be successful in school, work and life.

www.caroltomlinson.com/

Tomlinson's website focuses on differentiated instruction and includes articles, resources and more.

Note: Information for this fact sheet was adapted in part from Differentiation of Instruction in the Elementary Grades by Carol Ann Tomlinson and Guide to Universal Design for Learning by the National Center for Learning Disabilities (NCLD).