



Gifted children

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Who is Gifted and Talented?

Gifted: having extraordinary intellectual ability and creativity

Talented: having exceptional skills and ability in a specific area such as art, music, science, and language

Definitions

1: Federal Definition

❖ "The term 'gifted and talented,' when used with respect to students, children, or youth, means students, children, or youth who give evidence of high achievement capability in such areas as intellectual, creative, artistic, or leadership capacity, or in specific academic fields, and who need services or activities not ordinarily provided by the school in order to fully develop those capabilities."

2: New Proposed Definition of Outstanding Talent

- ❖ Children and youth with outstanding talent perform or show the potential for performing at remarkably high levels of accomplishment when compared with others of their age, experience, or environment.
- ❖ These children and youth exhibit high performance capability in intellectual, creative, and/or artistic areas, possess an unusual leadership capacity, or excel in specific academic fields.
- ❖ They require services or activities not ordinarily provided by the schools. Outstanding talents are present in children and youth from all cultural groups, across all economic strata, and in all areas of human endeavor.

What Causes Giftedness?

- Biological Factors
- Social/ Environmental Factors

Biological Factors:

- regardless of where the child is raised, a gifted child will demonstrate the gifts at some point
- For example, there are accounts of children with extraordinary gifts that could have an innate basis, such as the musically gifted. No particular environment appears to have stimulated the gift.
- Psychologically, giftedness is believed to be a gift that has a genetic origin and is at least partly innate which may not be clear at an early stage but rather an inclination that the child may possess the gift.
- Studies have indicated that individuals with extremely high mathematical abilities have frontal lobes of the brain which are more differentiated compared to average students.
- Neuropsychological studies claim that in information processing, gifted individuals have enhanced brain activity localized in the right hemisphere.

Social/ Environmental Factors:

External variables are defined as factors that influence a person's decision-making process. In particular, the influences of:

- . Peers
- . family
- . school environment