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Howard Gardner initially formulated a list of seven intelligences. His listing was provisional. The first two are ones that have been typically valued in schools; the next three are usually associated with the arts; and the final two are what Howard Gardner called 'personal intelligences' (Gardner 1999: 41-43).

Linguistic intelligence involves sensitivity to spoken and written language, the ability to learn languages, and the capacity to use language to accomplish certain goals. This intelligence includes the ability to effectively use language to express oneself rhetorically or poetically; and language as a means to remember information. Writers, poets, lawyers and speakers are among those that Howard Gardner sees as having high linguistic intelligence, or **WORD SMART** for our purposes in class.

Logical-mathematical intelligence consists of the capacity to analyze problems logically, carry out mathematical operations, and investigate issues scientifically. In Howard Gardner's words, it entails the ability to detect patterns, reason deductively and think logically. This intelligence is most often associated with scientific and mathematical thinking, or **NUMBER SMART**.

Musical intelligence involves skill in the performance, composition, and appreciation of musical patterns. It encompasses the capacity to recognize and compose musical pitches, tones, and rhythms. According to Howard Gardner musical intelligence runs in an almost structural parallel to linguistic intelligence, **MUSIC SMART**.

Bodily-kinesthetic intelligence entails the potential of using one's whole body or parts of the body to solve problems. It is the ability to use mental abilities to coordinate bodily movements. Howard Gardner sees mental and physical activity as related, or **BODY SMART**.

Spatial intelligence involves the potential to recognize and use the patterns of wide space and more confined areas, or **ART SMART**.

Interpersonal intelligence is concerned with the capacity to understand the intentions, motivations and desires of other people. It allows people to work effectively with others. Educators, salespeople, religious and political leaders and counselors all need a well-developed interpersonal intelligence, or **PEOPLE SMART**.

Intrapersonal intelligence entails the capacity to understand oneself, to

appreciate one's feelings, fears and motivations. In Howard Gardner's view it involves having an effective working model of ourselves, and to be able to use such information to regulate our lives, or SELF SMART.

FYI: His evolving 9th way of knowing, is potentially: spiritually smart or existentially smart.

In *Frames of Mind* Howard Gardner treated the personal intelligences 'as a piece'. Because of their close association in most cultures, they are often linked together. Gardner claimed that the seven intelligences rarely operate independently. They are used at the same time and tend to complement each other as people develop skills or solve problems.

In essence Howard Gardner argues that he was making two essential claims about multiple intelligences:

(a) The theory is an account of human cognition in its fullness. The intelligences provided 'a new definition of human nature, cognitively speaking' (Gardner 1999: 44). Human beings are organisms who possess a basic set of intelligences.

(b) People have a unique blend of intelligences. Gardner argues that the big challenge facing the deployment of human resources 'is how to best take advantage of the uniqueness conferred on us as a species exhibiting several intelligences' (*ibid.*: 45).

These intelligences, according to Howard Gardner, are amoral - they can be put to constructive or destructive use.

8th Way of Being Smart

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