# Manipulatives: Learning Palette, Wrap-ups, and VersaTiles

**Issue**

The default training delivery method is lecture. The main learning style lecture targets is aural, which is the primary learning style for 30% of the population. The most common primary learning style is visual, representing 65% of the population. Although kinesthetic learners comprise 5% of the population, most people say they "learn" better when they "do" something.

Creating an exercise to practice a new skill can be challenging due to impracticality.

Some learners require repetition to facilitate and solidify learning. Many of these learner's struggle with self-esteem or confidence as well.

**Solution**

Manipulatives are an excellent way to practice skills because:

- they reach 70% of the population's primary learning style because they are both visual and kinesthetic
- they can be used when direct practice is not feasible
- learners can use and reset them multiple times for repeat practice and learning
- in some cases, speed and/or competition can be added as alternate aspects
- the manipulative can be used individually so that a learner can practice privately until they are confident

**Results**

The Learning Palette®, Learning Wrap-Up®, and VersaTiles® are examples of three-dimensional manipulatives that can be adapted for the adult learning environment. They are all self-correcting and could be used with a timer or in competition between learners.

| Learning Palette | Wrap-Ups | VersaTiles |
|---|---|---|
|  |  |  |
| Learning Wrap Ups® | Learning Wrap Ups® | hand2mind® |

**Classifications**

The table below lists three classifications for this work sample.

| Learning Styles | Intelligences[1] | Example of [2] |
|---|---|---|
| Visual | Intrapersonal | Emotional support |
| Kinesthetic | Interpersonal | Self-correcting |
| Logical | Bodily-Kinesthetic | Individual practice |
| Solitary | Visual-Spatial | |
| Social | Logical-Mathematical | |

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[1] Intelligences refers to Gardner's Multiple Intelligences.
[2] Reason(s) it was provided as a work sample