

# INCLUSIVE DESIGN STUDY



Adjustable Desk

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Design Studies

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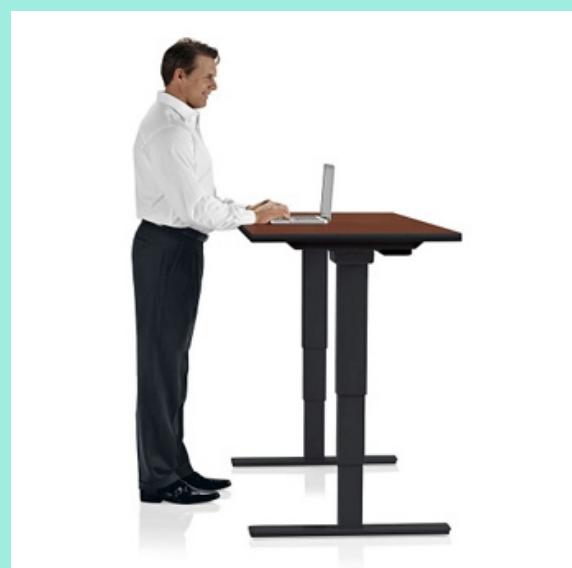
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# BACKGROUND

Otherwise known as universal design, inclusive design is an approach to design that aims to ensure that products are usable by, and accessible to, as many members of society as reasonably possible, without the need for special adaption or specialized design (Milton). This study will explore the 7 principles that make an inclusive design and evaluate them in a design product.

The design that will be evaluated in this study is the adjustable table. The adjustable desk, also referred to as the standing desk is a table whose legs may be adjusted to be different heights.



# CONTEXT

## Seven Principles

**Equitable use:** The design is useful and marketable to people with diverse abilities.

**Flexibility in use:** The design accommodates a wide range of individual preferences and abilities.

**Simple and intuitive use:** Use of the design is easy to understand, regardless of knowledge, language skills, or current concentration level.

**Perceptible information:** The design communicates necessary information effectively regardless of ambient conditions or the user's sensory abilities.

**Tolerance for error:** The design minimizes hazards and the adverse consequences of accidental or unintended actions.

**Low physical effort:** The design can be used efficiently and comfortably and with a minimum of fatigue.

**Size and space for approach and use:** Appropriate size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture, or mobility.

(Milton)

# DESIGN PRINCIPLES

## Adjustable Table

**Equitable use:** Anyone can use as a normal table regardless of size or height

**Flexibility in use:** can use as standard table or standing up to improve circulation

**Simple and intuitive use:** Legs are easily adjustable to manually lift or lower using lever under table

**Size and space for approach and use:** Table allows anyone to use at all different heights. Ex. standard chair, wheelchair, or standing



# CONCLUSION

The adjustable desk is a very good example of an inclusive design. This table has adjustable legs that are designed to be able to move up and down in order to be functional for all heights. People who are disabled are able to use this chair unlike other tables where their legs may not fit under the table. This table is also ideal for people who are tall and whose legs may hit the tops of normal tabletops. Lastly, a popular use for this adjustable table is to be able to stand while doing work in order to help with circulation.



# REFERENCES

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