

# 04\_Lighting

Content Area: **Special Education**  
Course(s):  
Time Period: **Semester**  
Length: **2 Weeks**  
Status: **Published**

## **General Overview, Course Description or Course Philosophy**

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Do-It-Yourself (DIY) Tech is a one semester course at the high school. This class enables students to understand how to address basic household repairs while students safely use and maintain appropriate tools, machinery, equipment, and resources to accomplish project goals.

## **OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS**

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Objectives:

- Illuminate long, dark evenings this fall and winter with DIY light fixtures you can make at home.

Essential Questions:

- Can students positively contribute to every team, whether formal or informal?
- Do they apply an awareness of cultural difference to avoid barriers to productive and positive interaction?
- Can students find ways to increase the engagement and contribution of all team members?

Enduring Understandings:

- It is important to think of ideas that solve problems in new and different ways, and contribute those ideas in a useful and productive manner to improve their organization.
- Consider unconventional ideas and suggestions as solutions to issues, tasks or problems, and they discern which ideas and suggestions will add greatest value.
- How to seek new methods, practices, and ideas from a variety of sources and seek to apply those ideas to their own workplace.
- It is important to take action on their ideas and understand how to bring innovation to an organization.

## **CONTENT AREA STANDARDS**

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9.4.2.CI.1: Demonstrate openness to new ideas and perspectives.

## **RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion Standards are Required)**

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CAEP.9.2.12.C

Career Preparation

## **STUDENT LEARNING TARGETS**

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### **Declarative Knowledge**

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Students will understand that:

- No matter the size of a space, how you light it can make all the difference in its function.
- You can light a favorite painting and rid your living room of shadows.
- Things like color, temperature, lumens and wattage all play a factor in your room's quality of light.

### **Procedural Knowledge**

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Students will be able to:

- Select the appropriate lightbulbs for particular light fixtures, energy efficiency, and warmth.
- Select a fixture style.
- Determine the appropriate layers of light for your space (ambient, task or accent lighting).
- Choose the appropriate table, floor lamp, overhead light or chandelier for the room.

## **EVIDENCE OF LEARNING**

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### **Formative Assessments**

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do nows, exit slips, performance / participation in various class activities, homework, virtual or in-person experiences to demonstrate completion of tasks

## **Summative Assessments**

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final projects (class presentations, videos, etc), interviews, quizzes, and tests

## **RESOURCES (Instructional, Supplemental, Intervention Materials)**

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- Youtube.com
- Homeadvisor.com
- eHow.com
- Howcast.com
- <https://www.hgtv.com/design/design-blog/how-to/diy-home-lighting-ideas-for-every-skill-level>
- <https://www.lowes.com/n/how-to/home-lighting-tips>

## **INTERDISCIPLINARY CONNECTIONS**

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No matter the size of a space, how you light it can make all the difference in its function.

## **ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS**

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See link to Accommodations & Modifications document in course folder.