

HALLOWEEN STEM COSTUME

➤ 5 DAY LESSON

➤ HANDS ON ACTIVITY

➤ EASY TO TEACH

➤ SPED+ELEMENTARY



Caroline Koehler

STEM HALLOWEEN COSTUME DESIGN

Design a Halloween Costume

6. Create and identify an acute angle. A

7. Create one wearable piece of your costume.

8. Add geometric shapes to your costume.

9. Make one part of your design symmetrical.

10. A repeating pattern.

Halloween Costume Design

Materials

Size of paper	
Custom Category	
Extra item	

Design your costume below

Math Vocabulary

1. Research means to find out information.

2. Design means to plan and draw something.

3. Acute angle is less than 90 degrees.

4. Right angle is exactly 90 degrees.

5. Obtuse angle is more than 90 degrees.

6. Geometric shapes are figures like circles and squares.

7. Create means to make something.

Most Creative Award

Presented to: _____

Happy Halloween!

Design a Halloween Costume

1. Research Halloween costumes.

2. Identify the category of your Halloween costume.

3. Create a design of your Halloween costume.

4. Use paper that is a minimum of 3" wide with a maximum of 12" wide.

5. at least 1 additional material.

Caroline Koehler

HALLOWEEN COSTUME GRADING RUBRIC

Student's Name: _____ 1 point for each

1. Student participated in research time.	
2. Student identified their costume's category.	
3. Student created a Halloween costume design.	
4. Student used paper measure between 3"-12".	
5. Student used 1 or more additional materials.	
6. Student identified acute, obtuse, & right angles.	
7. Student created 1 wearable piece of their costume.	
8. Student added geometric shapes to the costume.	
9. Student made 1 part of their costume symmetrical.	
10. Student added a repeating pattern.	
Total Points	/10

Math Vocabulary

8. Create means to make something.

9. Wearable means you can put it on.

10. Minimum means the smallest it can be.

11. Maximum means the biggest it can be.

12. Costume means clothes to wear to play pretend.

13. Material means supplies to make something.

14. Pattern means something that happens over and over.

15. Repeating means doing an action more than once.

Math Vocabulary

1. Research
2. Design
3. Acute angle
4. Right angle
5. Obtuse angle
6. Geometric shapes
7. Category
8. Create
9. Wearable
10. Minimum
11. Maximum
12. Costume
13. Material
14. Pattern
15. Repeating

Halloween Costume Materials List

- *Brown Paper Bags from grocery stores
- *Paper of different thicknesses, solid colors, and sizes between 6" of 12".
- *Mirror
- *Rulers
- *Scissors
- *Glue
- *Tape
- *Drawing and coloring materials
- *Paper clips
- *Staples/stapler
- *Rubber bands
- *Pipe cleaners
- *Drawing supplies: Markers, crayons, pencils, etc.
- *Straws
- *Stickers
- *Computers to search the internet
- *Store flyers/newspapers with costume examples
- *Student Design Page
- *Student Directions and Rubric
- *Category Page
- *Halloween Math Vocabulary Page
- *Costume Award Certificates

STEM HALLOWEEN COSTUME DESIGN

Halloween Costume Categories	
Animal	Celebrity
Fantasy	Food
Funny	Job
Movie or Show	Scary
Sports	Super Hero
Other:	

Design a Halloween Costume

1. Research Halloween costumes.
2. Identify the category of your Halloween costume.
3. Create a design of your Halloween costume.
4. Use paper that is a minimum of 3" wide with a maximum of 12" wide.

1 additional material.



Halloween Costume STEM Lesson Plan, DAY 1

Objective: Students will research Halloween costume designs while considering the guidelines listed in Student Directions.

Supplies for the lesson

- *Student Directions and Rubric (projected for whole class)
- *Halloween costume materials (from Day 1)
- *Halloween costume books and store flyers (from Day 1)
- *Internet access for Halloween costume research
- *Student Design Page

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Explanation of Expectations

Student Work Time

Standards

Halloween Costume STEM Lesson Plan, DAY 2

Objective: Students will research Halloween costume designs while considering the guidelines listed in Student Directions.

Supplies for the lesson

- *Student Directions and Rubric, one per student (from Day 1)
- *Halloween costume materials (from Day 1)
- *Halloween costume books and store flyers (from Day 1)
- *Internet access for Halloween costume research
- *Halloween costume Math Vocabulary Sheet
- *Student Design Page

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Explanation of Expectations

Student Work Time

Standards

Halloween Costume STEM Lesson Plan, DAY 3

Objective: Students will design Halloween costume designs while considering the guidelines listed in Student Directions.

Supplies for the lesson

- *Student Directions and Rubric, one per student (from Day 1)
- *Halloween costume materials (from Day 1)
- *Halloween costume books and store flyers (from Day 1)
- *Internet access for Halloween costume research
- *Student Design Page

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Explanation of Expectations

Student Work Time

Standards

Halloween Costume STEM Lesson Plan, DAY 4

Objective: Students will design Halloween costume designs while considering the guidelines listed in Student Directions.

Supplies for the lesson

- *Student Directions and Rubric, one per student (from Day 1)
- *Halloween costume materials (from Day 1)
- *Halloween costume books and store flyers (from Day 1)
- *Internet access for Halloween costume research
- *Student Design Page
- *Mirror for costume viewing (if accessible)

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Explanation of Expectations

Student Work Time

Assessment

Halloween Costume STEM Lesson Plan, DAY 5

Objective: Students will complete their Halloween costume designs while considering the guidelines listed in Student Directions.

Supplies for the lesson

- *Halloween costume parade walk set up like a fashion runway show. Use an area of your classroom, the hallway, the gym, or a multipurpose room.
- *Camera if you desire to take pictures of the students.

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Explanation of Expectations

Launch Time

Closing

Assessment



Caroline Koehler

