

FUTURE SCHOOLING: LEARNING WHEN INFORMATION IS AT YOUR FINGERTIPS

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CALIFORNIA HISTORY & SOCIAL STUDIES EXAM QUESTIONS

- ☐ WHAT WAS THE MAIN CONTRIBUTION OF EMPEROR SHI HUANGDI TO CHINA?
 - ☐ A. HE UNIFIED MOST OF CHINA UNDER ONE GOVERNMENT
 - ☐ B. HE ESTABLISHED A PUBLIC EDUCATION SYSTEM IN CHINA
 - ☐ C. HE REQUIRED CITIZENS TO USE THE MONGOL LANGUAGE
 - ☐ D. HE ENCOURAGED ACCEPTANCE OF THE HINDU RELIGION

CALIFORNIA HISTORY & SOCIAL STUDIES EXAM QUESTIONS

- ☐ HOW DID THE RISE TO POWER AND REIGN OF ALEXANDER MOST AFFECT GREECE?
- ☐ A. HE ESTABLISHED A PEACEFUL RELATIONSHIP WITH THE PERSIAN EMPIRE
- ☐ B. HE STRENGTHENED GREATLY THE CONCEPT OF DEMOCRATIC RULE
- ☐ C. HE MADE MACEDONIA INTO THE INTELLECTUAL CENTER OF THE HELLENISTIC WORLD
- ☐ D. HE ENDED THE POWER OF THE CITY-STATES AND ESTABLISHED A UNIFIED NATION

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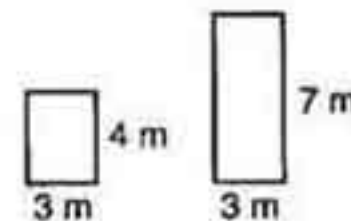


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- ☐ THE TENTH AMENDMENT WAS ADDED TO THE CONSTITUTION TO RESOLVE WHICH OF THE FOLLOWING DEBATES SURROUNDING THE DEVELOPMENT OF THE CONSTITUTION?
 - ☐ A. DIVISION OF POWERS AMONG BRANCHES OF GOVERNMENT
 - ☐ B. THE ANNEXATION OF NEW LANDS INTO THE COUNTRY
 - ☐ C. BALANCE BETWEEN NATIONAL AND STATE POWER
 - ☐ D. REPRESENTATION OF STATES IN THE LEGISLATIVE HOUSES

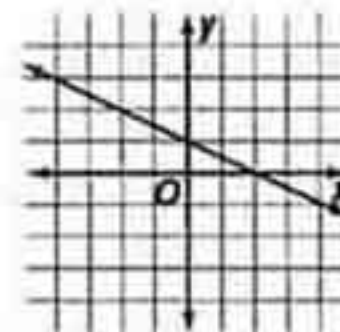
LOUISIANA 8TH GRADE MATH

5. Danville's elevation is 12 feet above sea level, which can be represented by $+12$. The sum of Centerville's elevation and Danville's elevation is 0. What is Centerville's elevation?
- A. -24
 - B. -12
 - C. 0
 - D. 12

16. The two rectangles at the right are not similar because—
- A. the perimeters are not equal
 - B. their corresponding sides are not in proportion
 - C. the areas are not equal
 - D. their corresponding sides are not equal



10. The graph of $y = -\frac{1}{2}x + 1$ is at the right. What is the x-intercept?
- A. 2
 - B. 1
 - C. 0
 - D. -1



KEY LESSONS

- ☐ INFORMATION RECALL DRIVES THE EDUCATIONAL ENVIRONMENT
- ☐ BREADTH > DEPTH
- ☐ TECHNOLOGY OF PENCIL AND PAPER DRIVES WHAT IS DONE
- ☐ MASS STANDARDIZATION DRIVES BOTH CONTENT AND ASSESSMENT

WHAT WE KNOW ABOUT LEARNING

- ☐ HOWEVER, WE LEARN BEST WHEN WE ARE:
 - ☐ ACTIVE
 - ☐ DOING
 - ☐ PERSONALLY-ENGAGED
 - ☐ SOCIALLY-CONNECTED
 - ☐ ABLE TO THINK, EXPRESS, CONSTRUCT, REPRESENT IN MEDIA WITH WHICH WE ARE FLUENT AND COMFORTABLE*



REFS: DEWEY, MONTESSORI, PAPERT, PIAGET, ...

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DISCONNECT

- ☐ LEARNING AND KNOWING IS FAR MORE THAN THE ABILITY TO STORE AND RECALL INFORMATION IN TEXTUAL FORM (AND THAT IS OBSOLETE ANYWAY)
- ☐ NEW TECHNOLOGIES ENABLE NEW POSSIBILITIES
- ☐ PERSONALIZATION IS MORE FELICITOUS FOR LEARNING THAN STANDARDIZATION, (BUT NOT JUST PERSONALIZATION OF PRESENTATION OF INFORMATION, RATHER, PERSONALIZATION THROUGH ENGAGEMENT)

NEED TO RE-THINK THE LEARNING ENVIRONMENT

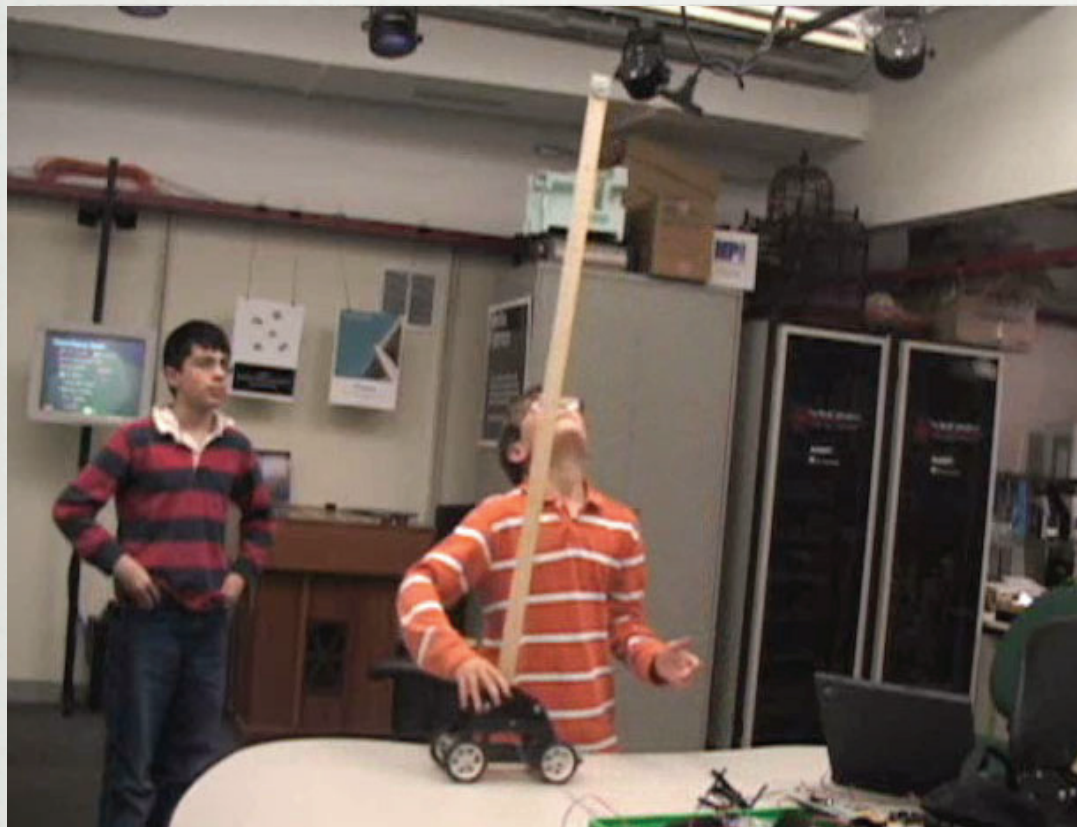
- ☐ HOW WE LEARN
- ☐ WHAT WE LEARN
- ☐ WHERE WE LEARN
- ☐ WITH WHOM WE LEARN

WHAT WE'RE DOING

- ☐ ILABSCHOOL AS AN EXEMPLAR OF WHAT EDUCATION CAN BE
- ☐ ILABSCHOOL NETWORK TO SPREAD IDEAS AND CHANGES GLOBALLY, MAKE SYSTEMIC IMPACT, & BRING IDEAS AND PEOPLE FROM EVERYWHERE TO CONTRIBUTE
- ☐ IPARTNER NETWORK AS MEANS TO COLLABORATE, ADD DEPTH & BREADTH, DEVELOP & SPREAD POWERFUL IDEAS

WHAT WE'RE DOING

- ☐ NEW LEARNING ACTIVITIES, CONTENT AND MATERIALS
- ☐ NEW ENVIRONMENTS AND TOOLS FOR LEARNING & COLLABORATION
- ☐ NEW IDEAS ABOUT MAKING SYSTEMIC TRANSFORMATIVE IMPACT



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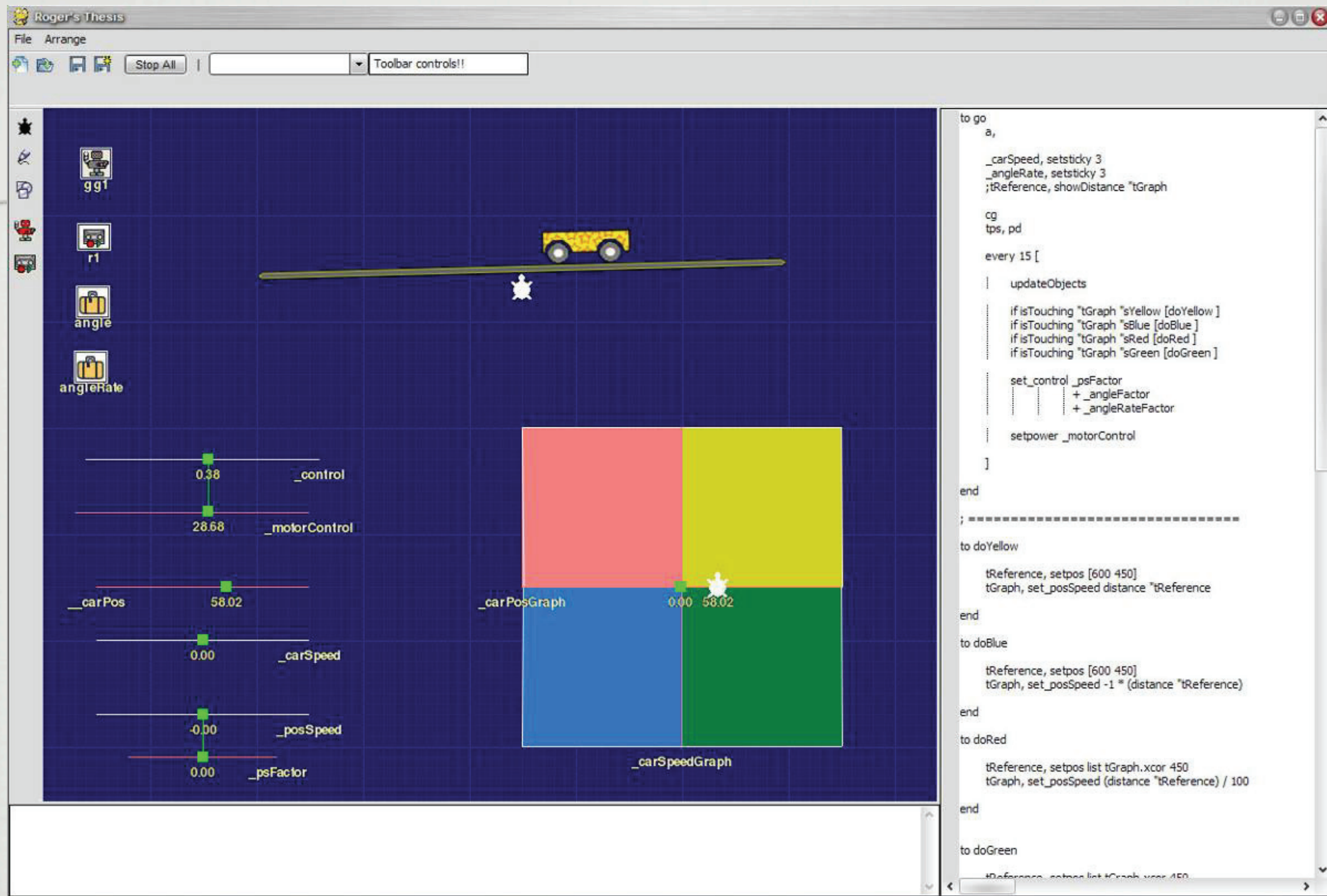
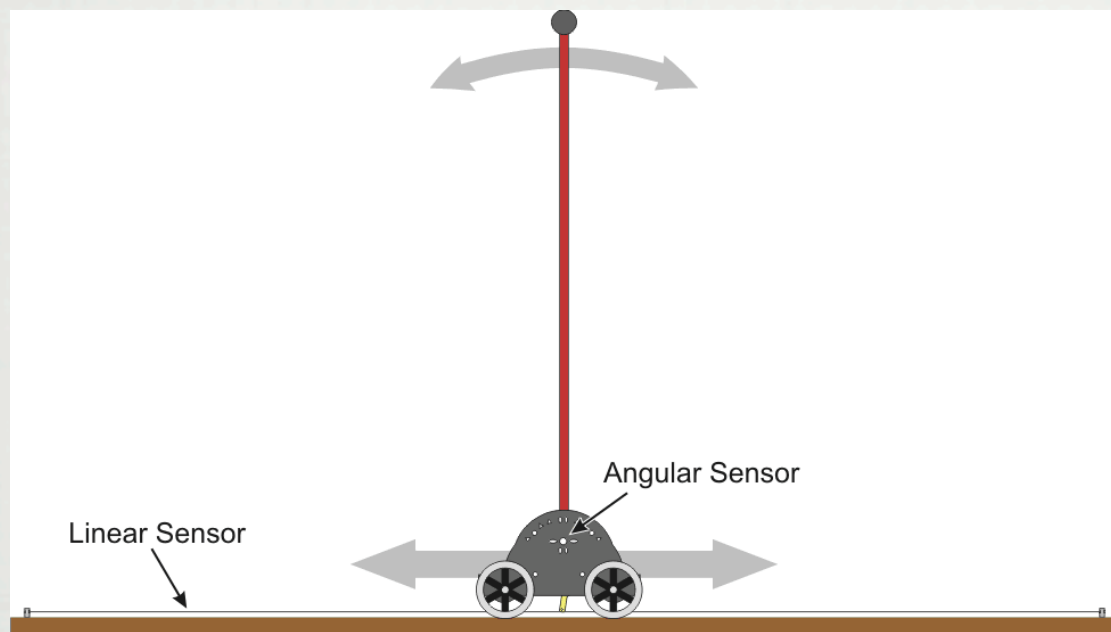


Figure 2. A screenshot of the PyoLogo programming environment

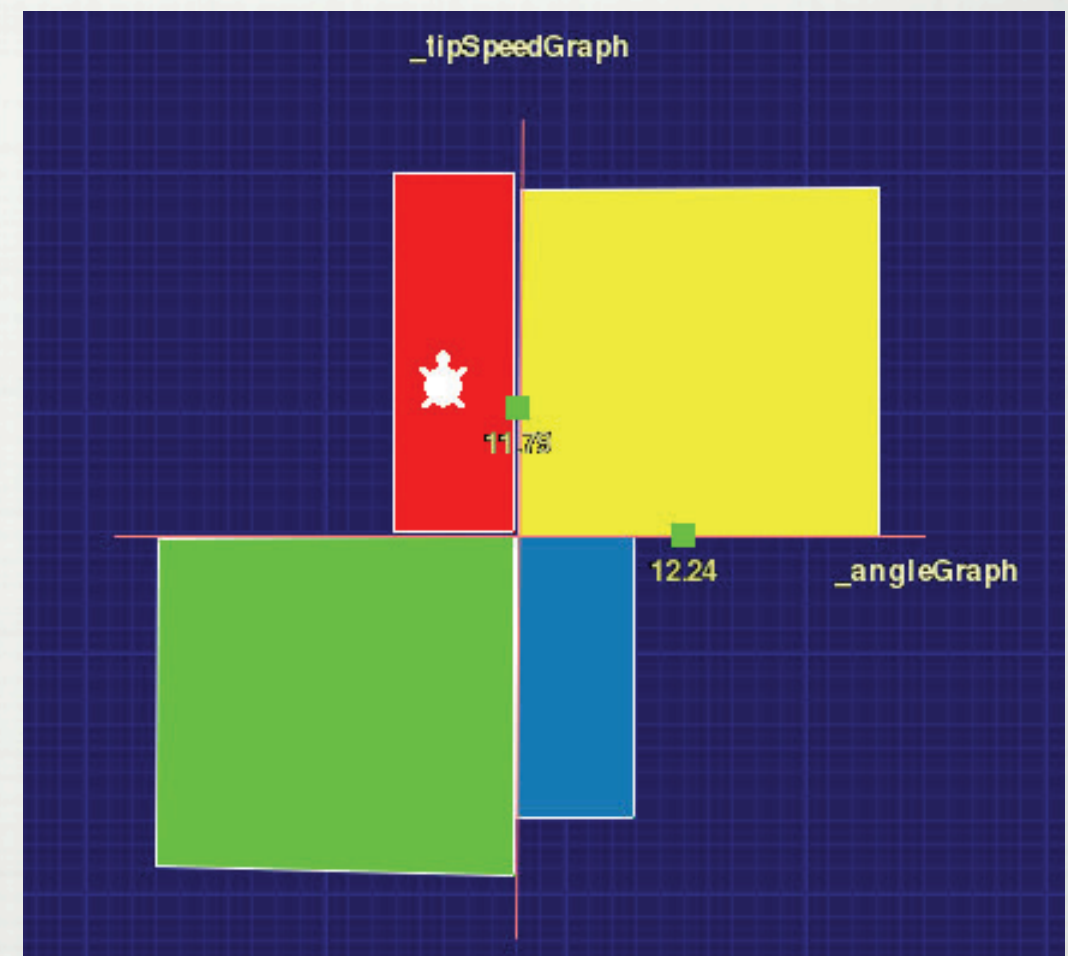
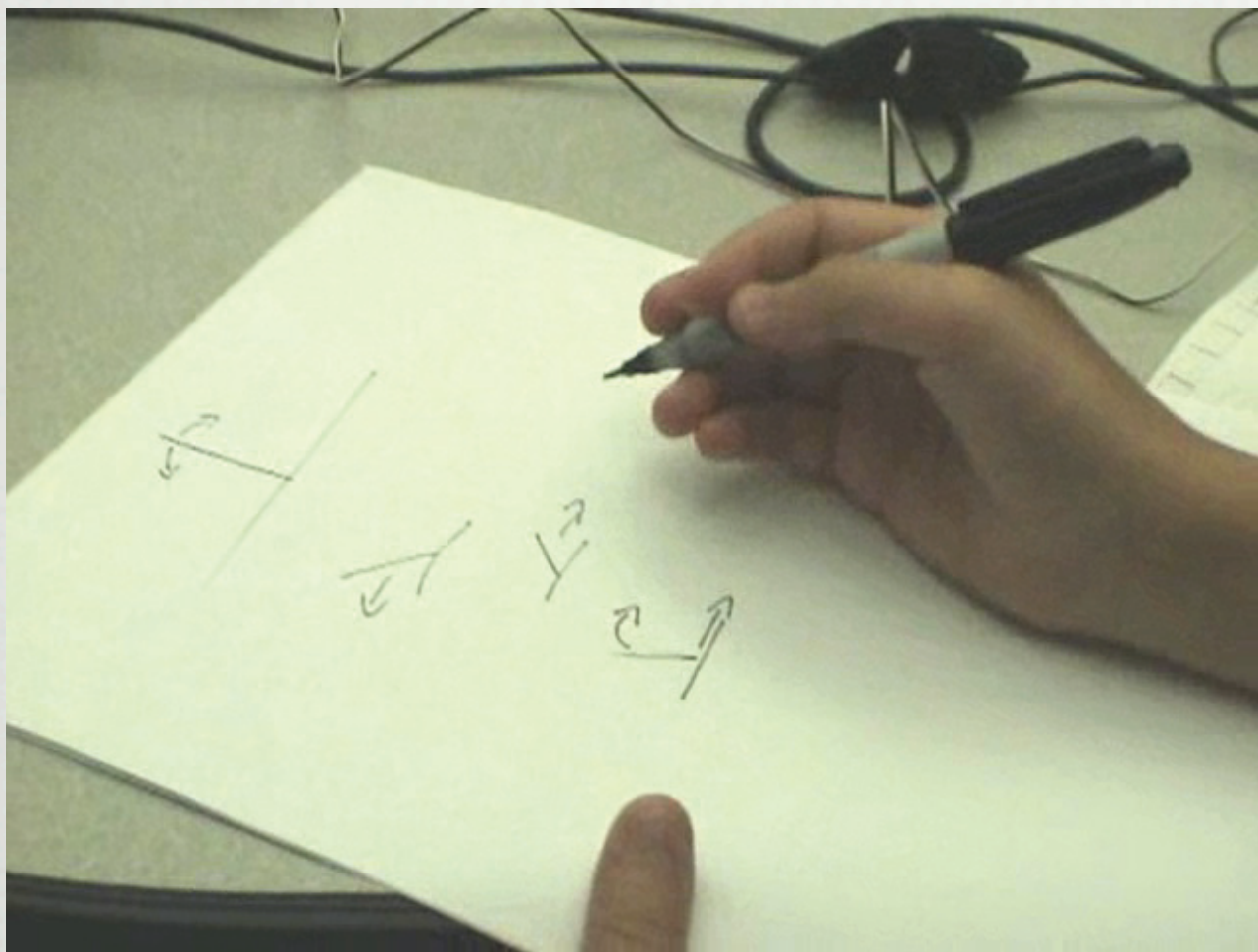


Description of the strategy:

```
If beam_falls_to_the_left  
    Then move_the_car_to_the_left  
If beam_falls_to_the_right  
    Then move_the_car_to_the_right
```

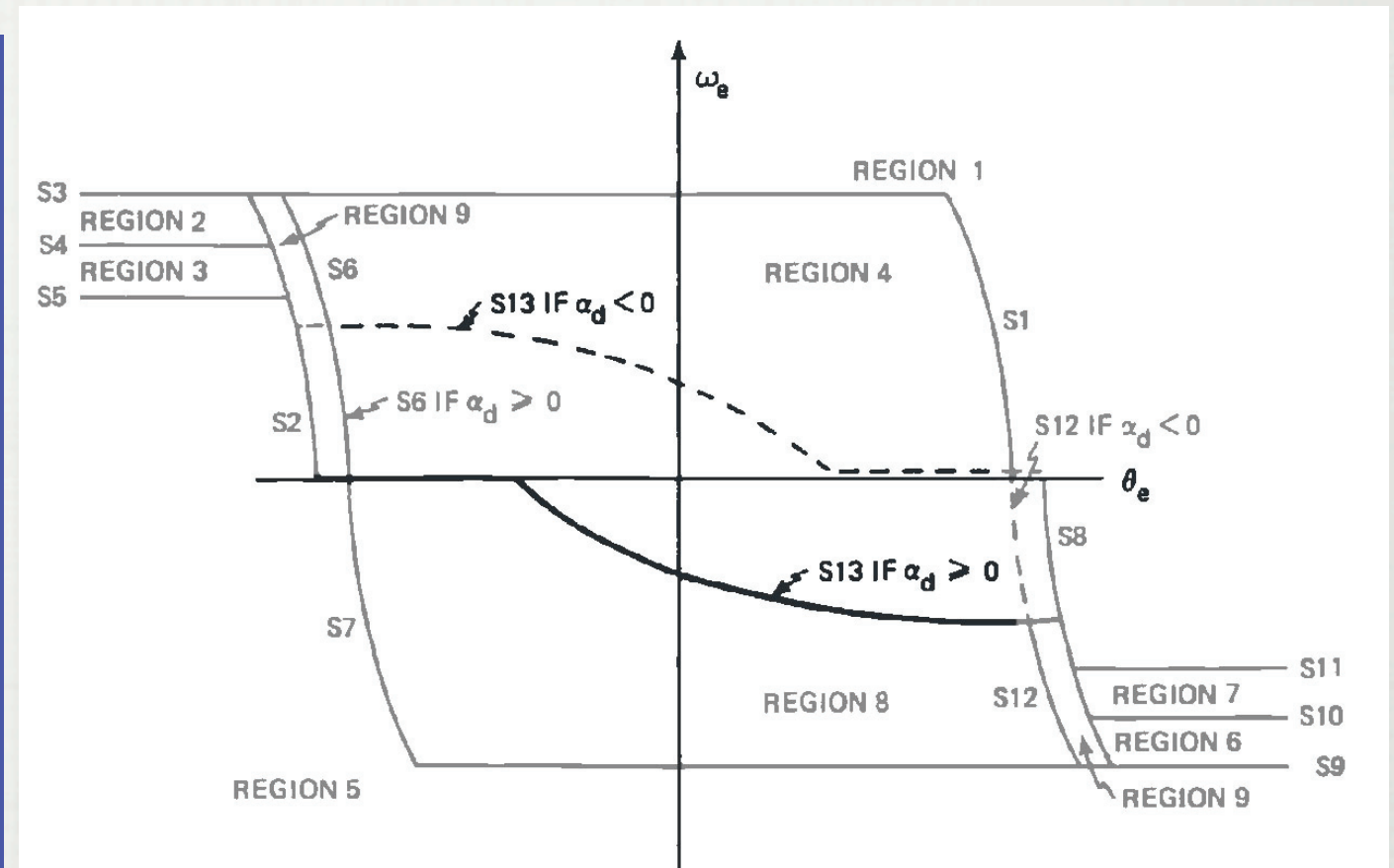
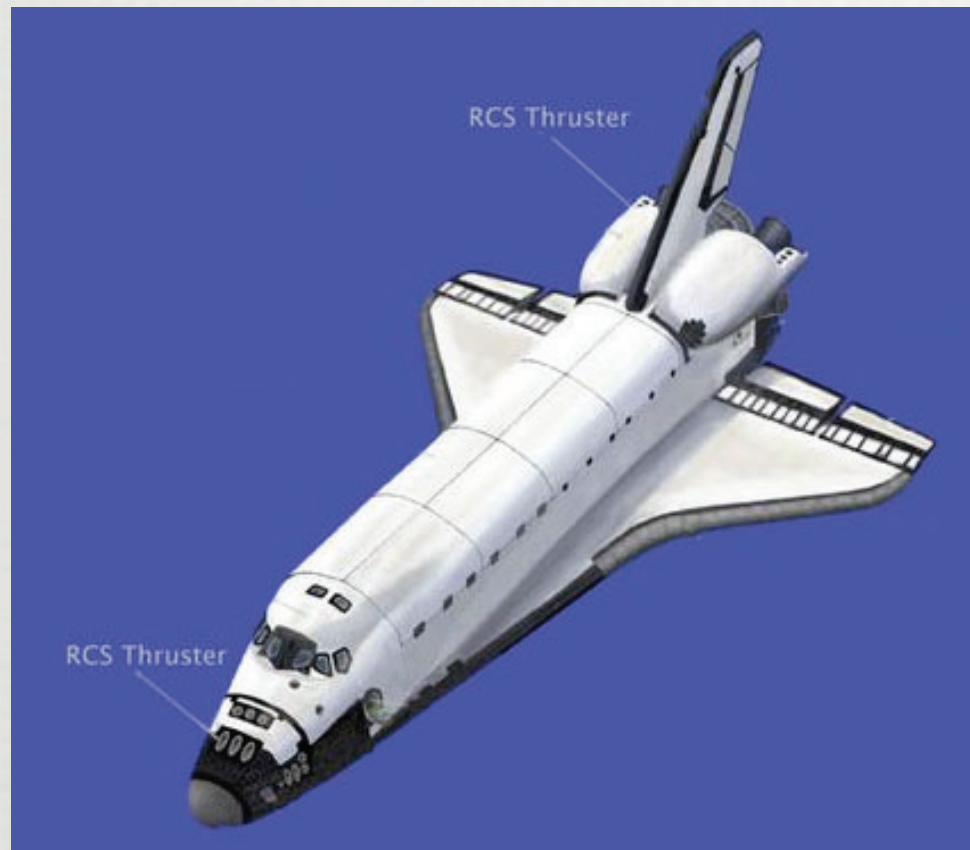
Implementation in Logo:

```
If angle < 0 [ setpower 8]  
If angle > 0 [ setpower -8]
```

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LESSONS

- ☐ THE POWER IN COMPUTATIONAL TECHNOLOGY FOR LEARNING LIES IN ITS INTERACTION, CONNECTEDNESS, AND EXPRESSIVENESS; NOT MERELY IN ITS ABILITY FOR PRESENTING INFORMATION
- ☐ BUILD OPEN ENVIRONMENTS FOR EXPRESSION, CONSTRUCTION, DESIGN & COLLABORATION, NOT MERELY FOCUSED ON DELIVERY OF INFORMATION
- ☐ WHAT COUNTS IN ASSESSMENT FOR LEARNING IS BEING ABLE TO THINK CLEARLY & CRITICALLY, TO DO, TO CREATE, TO COMMUNICATE, TO SOLVE PROBLEMS: NOT MERELY TO RECALL INFORMATION