Fresno Pacific University

Teacher Education Professional Development Workshop











Three Workshop Goals



My Hope is to Inspire



My Desire is to Nurture



My Intent is to Connect

Three Self-Care Tools







Monitor & Moderate Self



Intentional Breathing



Utilize Social Skills





Trauma: Toxic Stress and the Developing Brain

A NEW UNDERSTANDING





Trauma Definition

The U.S. Department of Health and Human Services Defines

TRAUMA as the RESULT of "an EVENT, series of events or set of circumstances that is **EXPERIENCED** by an individual as physically or emotionally harmful or life threatening and that has a lasting adverse **EFFECTS** on the individuals functioning and mental, physical, social, emotional or spiritual wellbeing"









For the purpose of this workshop and this video I am about to show you I want us to understand...

Trauma as Toxic Stress

How Brains Are Built

























What is Childhood Trauma?





What is Childhood Trauma?

Childhood Trauma CAN results from any childhood EVENT, series of events and or circumstances that a child EXPERIENCES that result in TOXIC STRESS that has an adverse **EFFECT** on a child's developing brain





Childhood Trauma <u>CAN</u> results from any childhood <u>EVENT</u>, series of events and or circumstances that a child <u>EXPERIENCES</u> that result in <u>TOXIC STRESS</u> that has an adverse <u>EFFECT</u> on a child's developing brain

IMPORTANT CONSIDERATION

- A more Objective Perspective of Trauma
- Resiliency Factors Can mitigate Adverse Effects on Brain Development







Group Discussion

- A. What does a **Subjective Perspective** of trauma look like?
- B. How might that influence a person's interaction with a child who has experienced trauma?

- C. What are some possible Resiliency Factors a student might have?
- D. How might they serve to mitigate adverse effects on brain development?

Group Discussion

- A. What does a **Subjective Perspective** of trauma look like?
- B. How might that influence a person's interaction with a child who has experienced trauma?

- C. What are some possible Resiliency Factors a student might have?
- D. How might they serve to mitigate adverse effects on brain development?





Childhood Trauma CAN results from any childhood EVENT, series of events and or circumstances that a child EXPERIENCES that result in TOXIC STRESS that has an adverse EFFECT on a child's developing brain

IMPORTANT CONSIDERATION





Childhood Trauma can results from any <u>CHILDHOOD</u> event, series of events and or circumstances that a child <u>EXPERIENCES</u> that result in toxic stress that has an <u>ADVERSE</u> effect on a child's developing brain

IMPORTANT CONSIDERATION

The ACE's Study





Childhood Trauma can results from any <u>CHILDHOOD</u> event, series of events and or circumstances that a child <u>EXPERIENCES</u> that result in toxic stress that has an <u>ADVERSE</u> effect on a child's developing brain

IMPORTANT CONSIDERATION

Trauma = TOXIC STRESS = ACE's





Childhood Trauma can results from any <u>CHILDHOOD</u> event, series of events and or circumstances that a child <u>EXPERIENCES</u> that result in toxic stress that has an <u>ADVERSE</u> effect on a child's developing brain

IMPORTANT CONSIDERATION

Trauma = TOXIC STRESS = ACE's

EFFECTS THE WAY A CHILD'S

BRAIN IS BUILT





A Brief Introduction to the ACE's Study

Three Self-Care Tools







Monitor & Moderate Self



Intentional Breathing



Utilize Social Skills

Everynieghborhood.org/trauma











Trauma 101





Increasingly we at ENP are becoming more aware of the many different adversities families in our communities face. This Trauma 101 resource page is just one more way ENP is working to connect and equip churches and other community partners to serve in every neighborhood.

What's Your ACE Score?

START THE QUIZ





Resource Links

General ACES Information

- ACES Infographic
- CDC ACES Study
- · Our Kids Website
- · Fresno TCM Action Forum
- · American Pediatrics Study on ACES

What's Your Score?

Take The ACE's Survey here

Get Connected

ACE'S Connection – An online networking community to learn more about ACE's





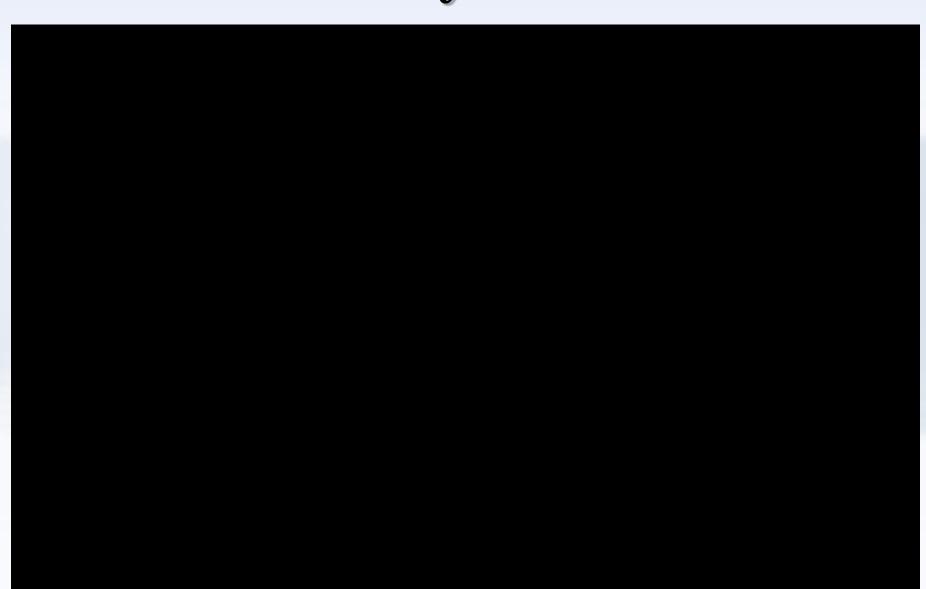
A Brief Introduction to the ACE's Study





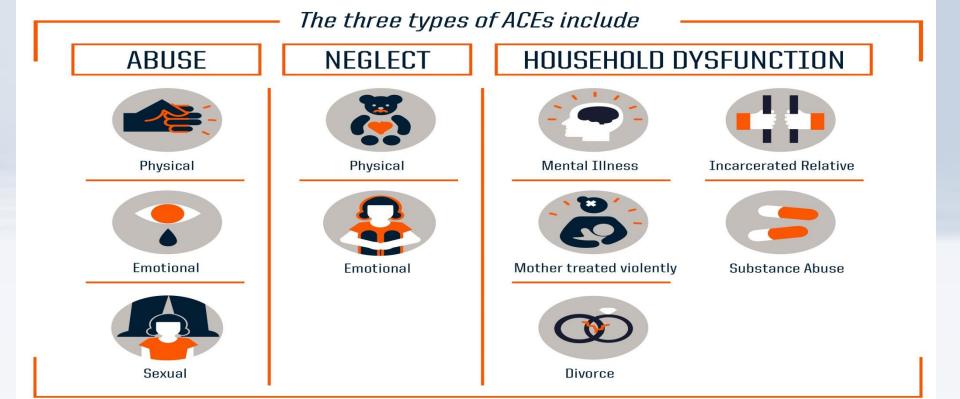


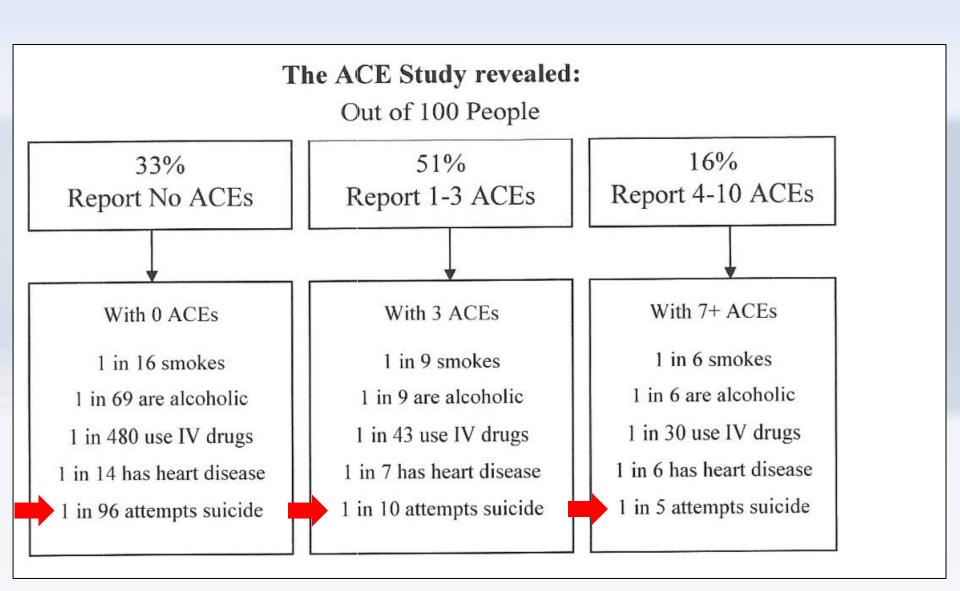




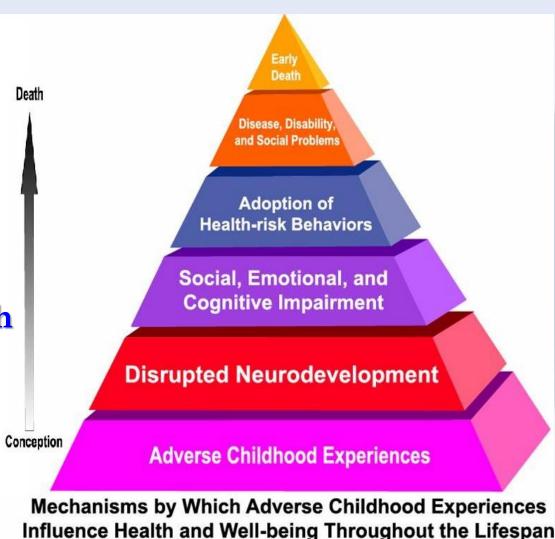
"There is a powerful relationship between our emotional experiences as children and our physical and mental health as adults"...

Felitti, VJ. The Relationship of Adverse Childhood Experiences to Adult Health: Turning Gold into Lead



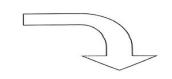


- Improper Brain Development
- Impaired learning ability &social and emotional skills
- Lower language development
- Higher risk for health related problems
- Anxiety
- Smoking, alcoholism
 & drug abuse

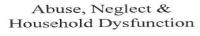


Social Cycle Associated with a High ACE Score

 Adverse Childhood Experiences



7. Early Death (On average 20 years early)



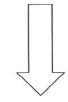




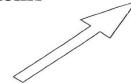
You abuse others, causing ACE cycle to continue



& Social Problems





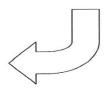


5. Disconnected to Parents & Others,





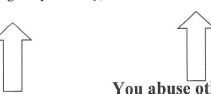
4. Adoption of Health Risk Behaviors & Habits



Social Cycle Associated with a High ACE Score

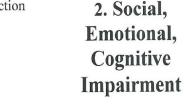
1. Adverse Childhood Experiences Disruptive Neurodevelopment

7. Early Death (On average 20 years early)



Abuse, Neglect & Household Dysfunction

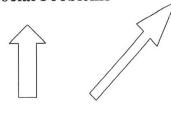
ACE cycle to continue



You abuse others, causing



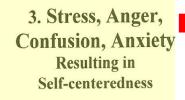




5. Disconnected to Parents& Others,



4. Adoption of Health Risk Behaviors & Habits





Disease, Disability, and Social Problems

Ear

Deat

Adoption of Health-risk Behaviors

Social, Emotional and Cognitive Impairment

Disrupted Neurodevelopment

Adverse Childhood Experiences

The ACE's Zip Code Scenario (1) A Group Exercise

















THE ACE'S ZIP CODE SCENARIO

tep One:	Recognizing your students Social Economic Variables
con Cin pov viol Bill	dy—Lives in a community with low Poverty, < 20% of residents experiencing poverty; his munity has the healthiest health score and the lowest rates of community violence dy—Lives in a community with moderate Poverty, 20-39% of residents experiencing erty; her community has average health score and moderate rates of community ence y—Lives in a community high concentrations of Poverty; > 40% of residents experiencing erty; his community has the lowest health score and the highest community violence
tep Two	Recognizing the correlation between Social Economic Status and the prevalence of Adverse Childhood Experiences (ACE's) ¹
	ANDY – Roll Die 1x (odd = 0 ACE) (even = 1 ACE) 0 ACE 1 ACE = <u>Divorce or Physical Neglect (Economic Hardship)</u> ²
	CINDY – Roll Die 1x (odd = 2 ACE) (even 3 ACE) ACE SCORE 2 ACE = Divorce, & Physical Neglect (Economic Hardship)
	□ 3 rd ACE roll 1x identify 3 rd ACE using the 10 ACE's Key Below o 3 rd ACE
	BILLY – Roll Die 1x (odd = 4 ACE) (even = 5) 2 ACE = Divorce, & Physical Neglect (Economic Hardship)
	3 rd -5 th ACE roll die 1-3 x identify 3 rd 4 th and 5 th ACE using the 10 ACE's Key Below o 3 rd ACE o 4 th ACE o 5 th ACE
	Key. (1) Physical Abuse (2) Emotional Neglect / Abuse (3) Sexual Abuse (4) Relative on (5) Substance Abuse (6) Domestic Violence
idsdat.org r	eport Prevalence of Childhood Hardships, by Family Income
according to	a Research Brief by Child Trends in 2014 Economic hardship is the most common adverse childhood experience

(ACE) reported nationally and in almost all states, followed by divorce or separation of a parent or guardian.

Every Neighborhood Partnership **FRESNO** CONCENTRATION **OF POVERTY** Percent of population below poverty: Low Poverty Area (0% - 19%) Poverty Area (20%-39%) Extreme Poverty Area (40%+)



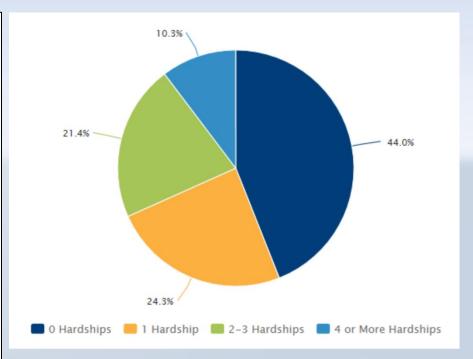






THE ACE'S ZIP CODE SCENARIO

Step C)ne		Recognizing your students Social Economic Variables
_	Ci po vio Bi	mm ndy vert len	Lives in a community with low Poverty, < 20% of residents experiencing poverty; his unity has the healthiest health score and the lowest rates of community violence Lives in a community with moderate Poverty, 20-39% of residents experiencing y; her community has average health score and moderate rates of community see Lives in a community high concentrations of Poverty; > 40% of residents experiencing y; his community has the lowest health score and the highest community violence
Step 1	Γ w α	í.	Recognizing the correlation between Social Economic Status and the prevalence of Adverse Childhood Experiences (ACE's) ¹
	1.		DY – Roll Die 1x (odd = 0 ACE) (even = 1 ACE) 0 ACE 1 ACE = Divorce or Physical Neglect (Economic Hardship) ²
	2.		NDY – Roll Die 1x (odd = 2 ACE) (even 3 ACE) ACE SCORE 2 ACE = <u>Divorce</u> , & <u>Physical Neglect (Economic Hardship)</u>
			3 rd ACE roll 1x identify 3 rd ACE using the 10 ACE's Key Below o 3 rd ACE
	3.		LLY – Roll Die 1x (odd = 4 ACE) (even = 5) 2 ACE = <u>Divorce</u> , <u>& Physical Neglect (Economic Hardship)</u>
			3 rd -5 th ACE roll die 1-3 x identify 3 rd 4 th and 5 th ACE using the 10 ACE's Key Below o 3 rd ACE o 4 th ACE o 5 th ACE
			(1) Physical Abuse (2) Emotional Neglect / Abuse (3) Sexual Abuse (4) Relative (5) Substance Abuse (6) Domestic Violence



0-100% of Federal Poverty Guideline

< 23,000 Family 2 Adults/2Children

Kidsdatorg report Prevalence of Childhood Hardships, by Family Income

² According to a Research Brief by Child Trends in 2014 Economic hardship is the most common adverse childhood experience (ACE) reported nationally and in almost all states, followed by divorce or separation of a parent or guardian.









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development¹ descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might *typically be like* and what they *typically need*. Here are some questions to consider.

- How might each student's ACE's change their "What I'm Like" and "What I Need" description?
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development descriptions at each age leavel

¹ https://www.cde.ca.gov/sp/cd/re/cagdevelopment.asp









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development1 descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might typically be like and what they typically need. Here are some questions to

- 1. How might each student's ACE's change their "What I'm Like" and "What I Need"
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need: I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

5 Years Old

¹ https://www.cde.ca.gov/sp/cd/re/caqdevelopment.asp









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development1 descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might typically be like and what they typically need. Here are some questions to

- 1. How might each student's ACE's change their "What I'm Like" and "What I Need"
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need: I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

5 Years Old

5:00

¹ https://www.cde.ca.gov/sp/cd/re/caqdevelopment.asp









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might typically be like and what they typically need. Here are some questions to consider.

- 1. How might each student's ACE's change their "What I'm Like" and "What I Need"
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need: I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

9-11 Years Old

¹ https://www.cde.ca.gov/sp/cd/re/cagdevelopment.asp









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development1 descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might typically be like and what they typically need. Here are some questions to

- 1. How might each student's ACE's change their "What I'm Like" and "What I Need"
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need: I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

9-11 Years Old

5:00

¹ https://www.cde.ca.gov/sp/cd/re/caqdevelopment.asp









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development1 descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might typically be like and what they typically need. Here are some questions to consider.

- 1. How might each student's ACE's change their "What I'm Like" and "What I Need"
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need: I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

11-14 Years Old

¹ https://www.cde.ca.gov/sp/cd/re/caqdevelopment.asp









THE ACE'S ZIP CODE SCENARIO

Directions: Discuss with your group how each of the three students Andy, Cindy, and Billy might compare and contrast from the Ages & Stages and Stages of Development1 descriptions below. Remember that the description gives a broad view of what a healthy child at that particular stage of development might typically be like and what they typically need. Here are some questions to

- 1. How might each student's ACE's change their "What I'm Like" and "What I Need"
- 2. How might your knowledge of the student's ACE's influence your understanding of each student and inform your approach to meeting their needs?
- 3. What possible strengths might each student have developed as a result of their ACE's?

FIVE YEARS

What I'm Like: I have good motor control, but my small muscles aren't as developed as my large muscles for jumping. My activity level is high and my play has direction. I like writing my name, drawing pictures, making projects, and going to the library. I'm more interested now in doing group activities, sharing things and my feelings. I like quiet time away from the other kids from time to time. I may be anxious to begin kindergarten.

What I Need: I need the opportunity for plenty of active play. I need to do things for myself. I like to have choices in how I learn new things. But most of all, I need your love and assurance that I'm important. I need time, patience, understanding, and genuine attention. I am learning about who I am and how I fit in with others. I need to know how I am doing in a positive way. I understand more about things and how they work, so you can give me a more detailed answer. I have a big imagination and pretend a lot. Although I'm becoming taller, your lap is still one of my favorite places.

NINE THROUGH ELEVEN YEARS

What I'm Like: I have lots of energy, and physical activities are important to me. I like to take part in sports and group activities. I like clothes, music, and my friends. I'm invited to sleepovers and to friends' houses often. I want my hair cut a certain way. I'm not as sure about school as I am about my social life. Those of us who are girls are often taller and heavier than the boys. Some girls may be beginning to show signs of puberty, and we may be self-conscious about that. I feel powerful and independent, as though I know what to do and how to do it. I can think for myself and want to be independent. I may be eager to become an adult.

11-14 Years Old

5:00

¹ https://www.cde.ca.gov/sp/cd/re/caqdevelopment.asp







Three Workshop Goals









Three Workshop Goals



My Hope is to Inspire



My Desire is to Nurture



My Intent is to Connect



A Child's ACE Score is Not Their Destiny

In fact with a new understanding we can move from viewing students as

At-Risk to At-Promise

From At-Risk to At-Promise











Three Workshop Goals



My Hope is to Inspire



My Desire is to Nurture



My Intent is to Connect



We Need More Teachers Like

Mrs. Russ

Who will Care
Who will Reach Out
Who will Tap into the Soul
of every student to Ignite their

At-Promise Potential

Fresno Pacific University

Teacher Education Professional
Development Workshop



