# Cornell Elementary School School Accountability Report Card Reported Using Data from the 2017-18 School Year

**Published During 2018-19** 

By February 1 of each year, every school in California is required by state law to publish a School Accountability Report Card (SARC). The SARC contains information about the condition and performance of each California public school. Under the Local Control Funding Formula (LCFF) all local educational agencies (LEAs) are required to prepare a Local Control and Accountability Plan (LCAP), which describes how they intend to meet annual school-specific goals for all pupils, with specific activities to address state and local priorities. Additionally, data reported in an LCAP is to be consistent with data reported in the SARC.

- For more information about SARC requirements, see the California Department of Education (CDE) SARC Web page at http://www.cde.ca.gov/ta/ac/sa/.
- For more information about the LCFF or LCAP, see the CDE LCFF Web page at http://www.cde.ca.gov/fg/aa/lc/.
- For additional information about the school, parents/guardians and community members should contact the school principal or the district office.

#### **DataQuest**

DataQuest is an online data tool located on the CDE DataQuest Web page at <a href="http://dq.cde.ca.gov/dataquest/">http://dq.cde.ca.gov/dataquest/</a> that contains additional information about this school and comparisons of the school to the district and the county. Specifically, DataQuest is a dynamic system that provides reports for accountability (e.g., test data, enrollment, high school graduates, dropouts, course enrollments, staffing, and data regarding English learners).

#### **Internet Access**

Internet access is available at public libraries and other locations that are publicly accessible (e.g., the California State Library). Access to the Internet at libraries and public locations is generally provided on a first-come, first-served basis. Other use restrictions may include the hours of operation, the length of time that a workstation may be used (depending on availability), the types of software programs available on a workstation, and the ability to print documents.

# **About This School**

### Contact Information (School Year 2018-19)

School Contact Info	School Contact Information			
School Name	Cornell Elementary School			
Street	920 Talbot Avenue			
City, State, Zip	Albany, CA 94706			
Phone Number	510.558.3700			
Principal	Heather Duncan			
E-mail Address	hduncan@ausdk12.org			
Web Site	https://cornell.ausdk12.org/			
CDS Code	01-61127-6090161			

District Contact Information		
<b>District Name</b>	Albany Unified School District	
Phone Number	510.558.3750	
Superintendent	Valerie Williams	
E-mail Address	vwilliams@ausdk12.org	
Web Site	http://www.ausdk12.org	

### School Description and Mission Statement (School Year 2018-19)

The strength of our school lies with the knowledgeable, thoughtful, and caring staff who share the belief all students can learn. Our teaching faculty of highly qualified, fully credentialed, and Cross-Cultural Language and Academic Development (CLAD) certified teachers is dedicated to teaching students a core academic curriculum based on Common Core State Standards. Staff collaborates regularly to produce a focused approach to instruction. Cornell Elementary School is made up of a diverse student body. Currently, there are 563 students enrolled with more than 28 different languages spoken. The school serves students in grades K-5 with 23 general education classrooms and three special-education classrooms. Additional resources are allocated to serve students in need of reading and math intervention, English Language Development (ELD) instruction, speech and language support, special education resource services, adapted physical education, occupational therapy, and counseling. Students also participate in music, physical education, science, and library classes taught by specialists. These specialists provide instruction that enhances the classroom curriculum.

The Cornell teaching faculty, staff, and parents are committed to providing an educational program in which the school's resources and services are effectively coordinated to meet the needs of all students. Through the Student Success Team (SST) and Individualized Education Plan (IEP) process, we identify students who have special needs and then determine specific strategies that will best support their academic, social and emotional growth. The staff strives to provide students with a curriculum that is rigorous, meaningful, relevant, appropriately challenging and allows students to develop their critical-thinking skills. Instruction is focused on state standards, and all students are making progress toward mastery of these standards. Cornell teachers differentiate their instruction to meet the individual learning needs of their students. Recognizing the need to focus on the whole child, our teaching faculty provides learning experiences which foster social and emotional growth as well as develop students' communication and collaboration skills.

We offer one fee-based enrichment program to students during the Early Bird and Late Bird reading periods in grades 1-3. Inquiries about this class should be directed to our office at (510) 558-3700. Our campus also offers an after-school child-care program focused on Chinese language and culture. This program serves students in grades K-3. Inquiries regarding the Chinese after-school program should be directed to Anna Mansker, Director of Albany Children's Center, at (510) 559-6590.

At Cornell Elementary School, our mission is to create a community of self-sufficient lifelong learners who are cooperative, respectful, and responsible. We create safe, inclusive, and engaging classrooms as places of exploration and creativity. We have routines and procedures that foster students taking responsibility for learning and achieving their personal best. Students reflect on themselves as learners in the roles of readers, writers, mathematicians, scientists, historians, sociologists, athletes and artists. Our students see their own individual strengths and set goals for their learning. They develop the skills to empathize with others through active listening and group work. This helps them see themselves as unique and part of a larger diverse society. As we tend to their learning, we emphasize critical thinking, problem solving and the ability to express themselves clearly. All of our students are moving toward mastering the essential skills and grade-level standards so that they can thrive as learners in school and throughout their lives.

Student Enrollment by Grade Level (School Year 2017-18)

Grade Level	Number of Students
Kindergarten	69
Grade 1	90
Grade 2	93
Grade 3	91
Grade 4	103
Grade 5	107
Total Enrollment	553

Student Enrollment by Group (School Year 2017-18)

Student Group	Percent of Total Enrollment
Black or African American	1.8
American Indian or Alaska Native	0.0
Asian	30.6
Filipino	1.8
Hispanic or Latino	11.6
Native Hawaiian or Pacific Islander	0.0
White	30.2
Socioeconomically Disadvantaged	15.0
English Learners	19.3
Students with Disabilities	6.7
Foster Youth	0.0

# A. Conditions of Learning

# **State Priority: Basic**

The SARC provides the following information relevant to the State priority: Basic (Priority 1):

- Degree to which teachers are appropriately assigned and fully credentialed in the subject area and for the pupils they are teaching;
- Pupils have access to standards-aligned instructional materials; and
- School facilities are maintained in good repair.

# **Teacher Credentials**

		District		
Teachers	2016-17	2017-18	2018-19	2018-19
With Full Credential	0	0	36	219
Without Full Credential	0	0	0	0
Teaching Outside Subject Area of Competence (with full credential)	0	0	0	0

**Teacher Misassignments and Vacant Teacher Positions** 

Indicator	2016-17	2017-18	2018-19
Misassignments of Teachers of English Learners	0	0	0
Total Teacher Misassignments *	0	0	0
Vacant Teacher Positions	0	0	0

Note: "Misassignments" refers to the number of positions filled by teachers who lack legal authorization to teach that grade level, subject area, student group, etc.

### Quality, Currency, Availability of Textbooks and Instructional Materials (School Year 2018-19)

Year and month in which data were collected: October 2017

Subject	Textbooks and Instructional Materials/ Year of Adoption	From Most Recent Adoption?	Percent of Students Lacking Own Assigned Copy
Reading/Language Arts	Units of Study in Writing, Lucy Calkins, et al. Units of Study in Reading, Lucy Calkins, et al.	No	0.0%
Mathematics	TK-3rd Grade: Investigations in Number, Data, and Space (Pearson) 3rd-5th Grade: Math Expressions, Common Core (Houghton Mifflin)	No	0.0%
Science	Full Option Science System (DELTA)	No	0.0%
History-Social Science	K-1st Grade: History Social Science (Houghton-Mifflin) 2nd-5th Grade: Reflections: California Series (Harcourt)	No	0.0%

### School Facility Conditions and Planned Improvements (Most Recent Year)

A Facilities Master Plan was approved in 2014. Plans are in progress to utilize Bond Measures B & E approved by Albany voters in June 2016. In general, our district needs to prepare for anticipated growth in enrollment and the addition and/or replacement of existing facilities. The safety of students and staff is a primary concern at Cornell Elementary School. The school site safety plan is updated annually. The key element of the school site safety plan encompasses student safety and evacuation procedures. Fire, earthquake and lockdown drills are conducted on a regular basis. To ensure student safety, staff members supervise students at all times before and after school, during recess and lunch. Any visitors to the campus are required to check in at the school's office. The school was built in 1948, and the last building was added in 1974. There are a total of 23 K-5 general-education classrooms, with 10 of them being portables. The school is in good overall condition. There are sufficient classroom, playground and staff spaces to support teaching and learning. The school has a multipurpose room, a library, two play areas and sufficient classrooms to meet current needs. The principal works with custodial staff members to ensure the cleaning of the school is maintained to provide a clean and safe school. District maintenance staff members ensure the repairs necessary to keep the school in good repair, and work orders are completed in a timely manner. A workorder process is used to ensure efficient service and the highest priority to emergency repairs.

<sup>\*</sup> Total Teacher Misassignments includes the number of Misassignments of Teachers of English Learners.

# **School Facility Good Repair Status (Most Recent Year)**

Using the most recently collected FIT data (or equivalent), provide the following:

- Determination of repair status for systems listed
- Description of any needed maintenance to ensure good repair
- The year and month in which the data were collected
- The overall rating

School Facility Good Repair Status (Most Recent Year) Year and month of the most recent FIT report: November 2017					
System Inspected	Repair Status	Repair Needed and Action Taken or Planned			
Systems: Gas Leaks, Mechanical/HVAC, Sewer	Good				
Interior: Interior Surfaces	Poor	Several areas have missing ceiling tiles and paint peeling. Maintenance work orders have been created and work is in progress.			
Cleanliness: Overall Cleanliness, Pest/ Vermin Infestation	Good				
Electrical: Electrical	Good				
Restrooms/Fountains: Restrooms, Sinks/ Fountains	Good				
Safety: Fire Safety, Hazardous Materials	Good				
Structural: Structural Damage, Roofs	Good				
External: Playground/School Grounds, Windows/ Doors/Gates/Fences	Good				

# **Overall Facility Rating (Most Recent Year)**

Year and month of the most recent FIT report: November 2017	
Overall Rating	Good

# **B. Pupil Outcomes**

### **State Priority: Pupil Achievement**

The SARC provides the following information relevant to the State priority: Pupil Achievement (Priority 4):

- Statewide assessments (i.e., California Assessment of Student Performance and Progress [CAASPP] System, which includes the Smarter Balanced Summative Assessments for students in the general education population and the California Alternate Assessments [CAAs] for English language arts/literacy [ELA] and mathematics given in grades three through eight and grade eleven. Only eligible students may participate in the administration of the CAAs. CAAs items are aligned with alternate achievement standards, which are linked with the Common Core State Standards [CCSS] for students with the most significant cognitive disabilities); and
- The percentage of students who have successfully completed courses that satisfy the requirements for entrance to the University of California and the California State University, or career technical education sequences or programs of study.

CAASPP Test Results in English Language Arts/Literacy (ELA) and Mathematics for All Students Grades Three through Eight and Grade Eleven

	Percent of Students Meeting or Exceeding the State Standards (grades 3-8 and 11)						
Subject	School		District		State		
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	
English Language Arts/Literacy (grades 3-8 and 11)	76.0	82.0	79.0	76.0	48.0	50.0	
Mathematics (grades 3-8 and 11)	74.0	77.0	73.0	70.0	37.0	38.0	

Note: Percentages are not calculated when the number of students tested is ten or less, either because the number of students in this category is too small for statistical accuracy or to protect student privacy.

Note: ELA and mathematics test results include the Smarter Balanced Summative Assessment and the CAA. The "Percent Met or Exceeded" is calculated by taking the total number of students who met or exceeded the standard on the Smarter Balanced Summative Assessment plus the total number of students who met the standard (i.e., achieved Level 3—Alternate) on the CAAs divided by the total number of students who participated in both assessments.

### **CAASPP Test Results in ELA by Student Group**

Grades Three through Eight and Grade Eleven (School Year 2017-18)

Student Group	Total Enrollment	Number Tested	Percent Tested	Percent Met or Exceeded
All Students	291	283	97.25	81.63
Male	141	135	95.74	79.26
Female	150	148	98.67	83.78
Black or African American				
Asian	101	96	95.05	82.29
Hispanic or Latino	30	29	96.67	75.86
White	98	97	98.98	86.60
Two or More Races	52	51	98.08	76.47
Socioeconomically Disadvantaged	47	44	93.62	56.82
English Learners	85	81	95.29	71.60
Students with Disabilities	21	21	100.00	38.10

Note: ELA test results include the Smarter Balanced Summative Assessment and the CAA. The "Percent Met or Exceeded" is calculated by taking the total number of students who met or exceeded the standard on the Smarter Balanced Summative Assessment plus the total number of students who met the standard (i.e., achieved Level 3—Alternate) on the CAAs divided by the total number of students who participated in both assessments.

Note: Double dashes (--) appear in the table when the number of students is ten or less, either because the number of students in this category is too small for statistical accuracy or to protect student privacy.

Note: The number of students tested includes all students who participated in the test whether they received a score or not; however, the number of students tested is not the number that was used to calculate the achievement level percentages. The achievement level percentages are calculated using only students who received scores.

# CAASPP Test Results in Mathematics by Student Group Grades Three through Eight and Grade Eleven (School Year 2017-18)

Student Group	Total Enrollment	Number Tested	Percent Tested	Percent Met or Exceeded
All Students	292	285	97.6	76.84
Male	141	137	97.16	78.83
Female	151	148	98.01	75
Black or African American		-	1	-
Asian	101	99	98.02	84.85
Hispanic or Latino	30	29	96.67	62.07
White	98	96	97.96	77.08
Two or More Races	53	51	96.23	68.63
Socioeconomically Disadvantaged	48	45	93.75	73.33
English Learners	85	83	97.65	79.52
Students with Disabilities	22	21	95.45	28.57

Note: Mathematics test results include the Smarter Balanced Summative Assessment and the CAA. The "Percent Met or Exceeded" is calculated by taking the total number of students who met or exceeded the standard on the Smarter Balanced Summative Assessment plus the total number of students who met the standard (i.e., achieved Level 3–Alternate) on the CAAs divided by the total number of students who participated in both assessments.

Note: Double dashes (--) appear in the table when the number of students is ten or less, either because the number of students in this category is too small for statistical accuracy or to protect student privacy.

Note: The number of students tested includes all students who participated in the test whether they received a score or not; however, the number of students tested is not the number that was used to calculate the achievement level percentages. The achievement level percentages are calculated using only students who received scores.

# CAASPP Test Results in Science for All Students Grades Five, Eight, and Ten

	Percentage of Students Meeting or Exceeding the State Standard							
Subject	Sch	ool	District		Sta	ate		
	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18		
Science (grades 5, 8, and 10)	N/A	N/A	N/A	N/A	N/A	N/A		

Note: Cells with N/A values do not require data.

Note: The 2016–17 and 2017–18 data are not available. The CDE is developing a new science assessment based on the Next Generation Science Standards for California Public Schools (CA NGSS). The CAST was pilot-tested in spring 2017 and field-tested in spring 2018. The CAST will be administered operationally during the 2018–19 school year. The CAA for Science was pilot-tested for two years (i.e., 2016–17 and 2017–18) and the CAA for Science will be field-tested in 2018–19.

Note: Science test results include the CAST and the CAA for Science. The "Percent Met or Exceeded" is calculated by taking the total number of students who met or exceeded the standard on the CAST plus the total number of students who met the standard (i.e., achieved Level 3—Alternate) on the CAA for Science divided by the total number of students who participated on both assessments.

### **State Priority: Other Pupil Outcomes**

The SARC provides the following information relevant to the State priority: Other Pupil Outcomes (Priority 8):

Pupil outcomes in the subject areas of physical education.

### California Physical Fitness Test Results (School Year 2017-18)

Grade	Perce	nt of Students Meeting Fitness Star	ts Meeting Fitness Standards			
Level	Four of Six Standards	Five of Six Standards	Six of Six Standards			
5	13.5	18.3	58.7			

Note: Percentages are not calculated when the number of students tested is ten or less, either because the number of students in this category is too small for statistical accuracy or to protect student privacy.

# C. Engagement

### **State Priority: Parental Involvement**

The SARC provides the following information relevant to the State priority: Parental Involvement (Priority 3):

Efforts the school district makes to seek parent input in making decisions for the school district and each school site.

### **Opportunities for Parental Involvement (School Year 2018-19)**

At Cornell, we value and enjoy a high level of parent and community involvement. The school works in partnership with parents to support students, staff and our instructional programs. Opportunities for parent involvement include the School Site Council; Parent-Teacher Association (PTA); English Learner Advisory Committee; Cornell Crew; Wellness Committee; Traffic Safety/Walking School Bus Committee; Albany Music Fund; Albany Education Foundation; SchoolCARE; PTA Enrichment Giving Campaign; and as volunteers in the classroom, office and leaders of noontime activities. Communication between the school and home is accomplished through weekly school wide newsletters as well as classroom newsletters, phone calls, emails, meetings, report cards, and conferences.

The PTA supports a number of the school's instructional programs as well as enrichment activities. The PTA also offers parent education nights, funds our supplemental programs, hosts community-building events, and coordinates many fundraising activities. Along with the PTA, these organizations and other community resources provide support to our school in a number of ways, such as funding personnel and programs, supplying instructional materials for classrooms, offering enrichment activities for our students, and coordinating improvements to our school. The members of our School Site Council discuss our students' achievement and help monitor the implementation of our site plan. In addition, our teachers and students also benefit greatly from support and assistance provided by parent volunteers.

For more information on how to become involved, contact PTA President at president@cornellpta.org.

### State Priority: School Climate

The SARC provides the following information relevant to the State priority: School Climate (Priority 6):

- Pupil suspension rates;
- Pupil expulsion rates; and
- Other local measures on the sense of safety.

### **Suspensions and Expulsions**

2.	School			District			State		
Rate	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18	2015-16	2016-17	2017-18
Suspensions	1.1	0.9	0.0	1.6	3.1	2.1	3.7	3.7	3.5
Expulsions	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1

### School Safety Plan (School Year 2018-19)

In May 2018, the AUSD Governing Board approved an independent contractor agreement with Safe Havens International to develop district and site emergency preparedness and mitigation plans. Staff from Safe Havens International have conducted meetings with district and site administrators and staff, as well as local emergency response agencies, to gather information and start the plan development process. Safe Havens International will use the information gathered to customize AUSD's safety plans. The final emergency plans will be delivered to AUSD by the end of the 2018 calendar year. This will allow ample time for school site councils and/or school safety planning committees to review the plans prior to their presentation to the AUSD Governing Board for review, discussion, and potential approval in March 2019.

During the safety plan development process, the following school site safety plans are also in place:

Safety is a priority at Cornell School. We have implemented a schoolwide positive-behavior program called BEST. Using the BEST program as our guide, Cornell staff has developed behavior expectations for common areas around the school. Classroom and common-area behavior expectations are framed around three core ideas, which serve as our Big Three Rules: Be Safe, Be Responsible and Be Respectful. We have also developed and annually update the Peaceful Playground Handbook which specifies the guidelines for safe and cooperative play on the play structure and playground. In addition, our school has a Conflict Manager program, where 3rd-5th grade students assist their peers in resolving conflicts at recess. In the classroom, Cornell teachers integrate the Welcoming Schools antibias curriculum into their instructional programs to address issues of bullying, diversity and accepting differences.

Practice drills for fire, earthquakes and other emergencies are held with the staff and students on a monthly basis. Emergency kits are located in all classrooms, and additional emergency supplies are stored on-site. We have established emergency response teams, each with specific responsibilities, so that we respond effectively and efficiently in the event of a crisis situation. The key elements of the school's current safety plan are as follows:

Part I: Emergency Organization and Management Responsibilities of Albany Unified School District site personnel, instructional staff, site coordinator and Emergency Response Team (ERT) committee, Concept of Emergency Functions, including a summary of planned response, Site ERT notification, communications, evacuation, damage survey, student release and site closure, shelter, crisis incident stress debriefing, after-event critique, and after-action report.

# Part II: Emergency Procedures Building evacuation

Fire Chemical accident

Earthquake Air pollution

Explosion or aircraft crash

Bomb threat

Suspicious individuals

Medical/first aid

Terrorist situation.

Part III: Emergency Forms/Checklists
Sample parent letter Hazard-identification checklist
Recommended emergency supplies
Guidelines for preparing a buddy/teacher list
Sample emergency information sheet
Sample student district notice of first-aid care
Sample site status report

# **D. Other SARC Information**

The information in this section is required to be in the SARC but is not included in the state priorities for LCFF.

**Average Class Size and Class Size Distribution (Elementary)** 

		201	5-16		2016-17			2017-18				
Grade	Avg.	Num	ber of Cla	sses	Avg.	Number of Classes		Avg.	Number of Classes			
Level	Class Size	1-20	21-32	33+	Class Size	1-20	21-32	33+	Class Size	1-20	21-32	33+
К	21	2	2		21	2	2		23		3	
1	21		4		23		4		23		4	
2	25		3		22		4		23		4	
3	23		5		24		4		23		4	
4	28		3		27		4		26		4	
5	27		4		27		3		27		4	

Number of classes indicates how many classes fall into each size category (a range of total students per class).

Academic Counselors and Other Support Staff (School Year 2017-18)

Title	Number of FTE Assigned to School	Average Number of Students per Academic Counselor	
Academic Counselor	0		
Counselor (Social/Behavioral or Career Development)	0	N/A	
Library Media Teacher (Librarian)	1.0	N/A	
Library Media Services Staff (Paraprofessional)	0.3	N/A	
Psychologist	0.5	N/A	
Social Worker	0.2	N/A	
Nurse	0.1	N/A	
Speech/Language/Hearing Specialist	1.0	N/A	
Resource Specialist (non-teaching)	0.0	N/A	
Other	0	N/A	

Note: Cells with N/A values do not require data.

Expenditures per Pupil and School Site Teacher Salaries (Fiscal Year 2016-17)

		Average		
Level	Total	Supplemental/ Restricted	Basic/ Unrestricted	Teacher Salary
School Site	\$9121	\$2830	\$6291	\$74890
District	N/A	N/A	\$7153	\$72,154
Percent Difference: School Site and District	N/A	N/A	-12.8	3.7
State	N/A	N/A	\$7,125	\$71,392
Percent Difference: School Site and State	N/A	N/A	-12.4	4.8

Note: Cells with N/A values do not require data.

The California Department of Education issued guidance to LEAs on August 1, 2018, regarding how to calculate school-level per-pupil expenditures that will be reported on 2018-19 report cards.

<sup>\*\* &</sup>quot;Other" category is for multi-grade level classes.

<sup>\*</sup>One Full Time Equivalent (FTE) equals one staff member working full time; one FTE could also represent two staff members who each work 50 percent of full time.

### Types of Services Funded (Fiscal Year 2017-18)

During the 2017-2018 school year, the following support services were provided:

- Title I dollars were allocated to staff English Language Development teachers.
- Supplemental funds allocated through the Local Control Funding Formula were allocated to intervention specialists (reading and mathematics), intervention teacher hourly, and materials and supplies.
- SchoolCARE, a community fundraising group, allocated dollars to staff a library technician, provide additional noontime supervision, support mathematics intervention, and support the District's in-school enrichment program.
- Common Core Implementation Funds were allocated to staff a Teacher on Special Assignment.

### Teacher and Administrative Salaries (Fiscal Year 2016-17)

Category	District Amount	State Average for Districts In Same Category
Beginning Teacher Salary	\$47,326	\$45,681
Mid-Range Teacher Salary	\$68,927	\$70,601
Highest Teacher Salary	\$92,910	\$89,337
Average Principal Salary (Elementary)	\$136,524	\$110,053
Average Principal Salary (Middle)	\$141,656	\$115,224
Average Principal Salary (High)	\$151,534	\$124,876
Superintendent Salary	\$212,198	\$182,466
Percent of Budget for Teacher Salaries	35.0	33.0
Percent of Budget for Administrative Salaries	7.0	6.0

For detailed information on salaries, see the CDE Certificated Salaries & Benefits Web page at http://www.cde.ca.gov/ds/fd/cs/.

### **Professional Development (Most Recent Three Years)**

The Cornell teaching faculty is offered three districtwide staff development days each school year. Along with meetings held every Wednesday afternoon, these professional-development days offer teachers the opportunity to collaborate with one another about their curriculum, instruction and assessments, to share best practices with colleagues, and to discuss ways to better support our students' learning. Approximately every six weeks, Cornell teachers collaborate with the faculty at Marin School and Ocean View School in order to align our work across the district. An ongoing focus for this collaboration is teachers' learning new instructional strategies to enhance their instruction and our students' learning. As another means of supporting ongoing professional development, we also meet in professional learning communities so that teachers are able to share their expertise with each other and step into the role of learners.