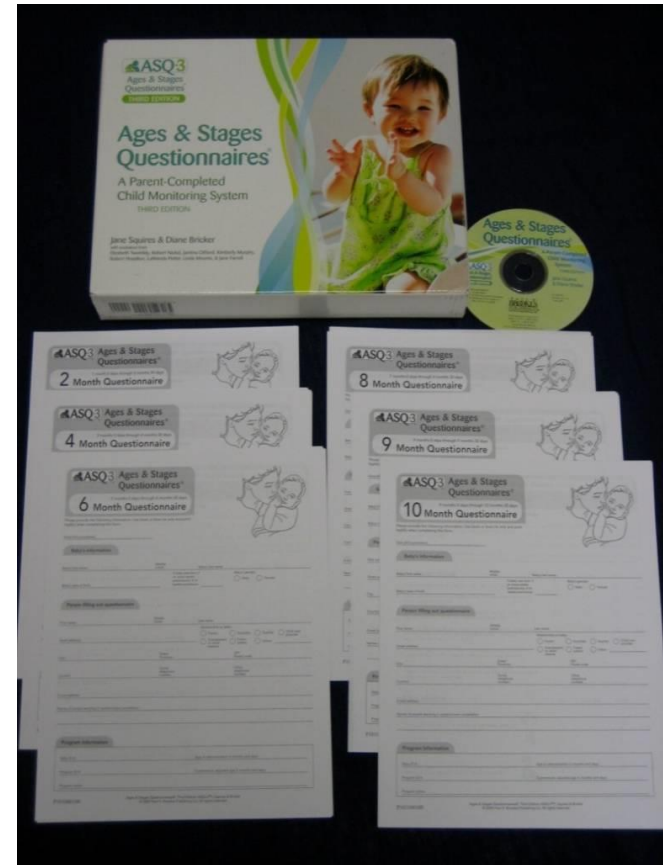# An Introduction to ASQ-3™

Why Screen?

- To detect delays early

- To improve child outcomes

- To encourage parent involvement and education

- Because screening is recommended by major educational and medical organizations, including
  - American Academy of Pediatrics
  - Head Start
  - Early and Periodic Screening, Diagnosis and Treatment Program (EPSDT), Medicaid's child health program

What Is ASQ-3™?

- The third edition of widely used developmental screening tool
- A series of illustrated parent- or caregiver-completed questionnaires

What Is ASQ-3™?

- Used to accurately identify children who may be at risk for developmental delays

- Designed to encourage parent involvement and education

- Low-cost, reliable, and rigorously tested

- Also offers online questionnaire completion and online data management systems

How Was ASQ-3™ Developed?

- ASQ initiated in 1980 at University of Oregon

- Authors reviewed other standardized tests and studied the literature extensively to design a better tool for screening

- ASQ skills were selected because they are easily observed or elicited by parents at home

- First edition published in June 1995

- ASQ-3™ published in June 2009

Why Choose ASQ-3™?

- Proven accurate by new research—highly reliable and valid

- "Anytime" screening—expanded administration windows so the intervals are seamless from 1 through 66 months

- Fast and easy scoring

- Educates families and is parent friendly

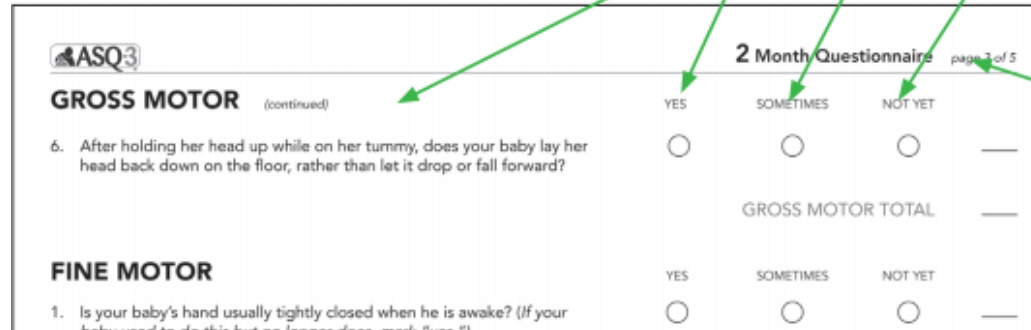- Strengths based—it's easy to share results and talk about a child's development

Screen with ASQ-3™ in 3 Simple Steps

- Step 1: Try the items/Answer the questions
  - Parents can easily try activities with their child
  - 3 simple responses: *Yes, Sometimes,* or *Not Yet*

- Step 2: Score the questionnaire
  - Professionals score in just 2–3 minutes

- Step 3: Get the results
  - Copy the child's scores to the Information Summary page
  - Interpret results and determine follow-up

Step 1: Try the items

- Parents complete the items of the questionnaire alone, or a professional can help guide the parent through completion if there are literacy or language learning problems
- Most parents can complete a questionnaire in 10–15 minutes
- Be sure the correct age interval is being used

STEP 1: TRY THE ITEMS

Parents can easily try activities with their child . . .
. . . and then check the box that best describes what the child can do.

ASQ-3

GROSS MOTOR *(continued)*

2 Month Questionnaire page 3 of 5

	YES	SOMETIMES	NOT YET	
6. After holding her head up while on her tummy, does your baby lay her head back down on the floor, rather than let it drop or fall forward?	○	○	○	___

GROSS MOTOR TOTAL ___

FINE MOTOR

	YES	SOMETIMES	NOT YET	
1. Is your baby's hand usually tightly closed when he is awake? (If your baby used to do this but no longer does, mark "yes.")	○	○	○	___

NEW 2- AND 9-MONTH QUESTIONNAIRES!

Now choose from 21 questionnaires to screen children from 1–66 months.

NEW

Step 2: Score the questionnaire

- Professionals score the questionnaires with a simple 0, 5, and 10 point scoring system
- Scores from the 5 areas are transferred to the Information Summary page
- Scoring can be completed in 1–3 minutes

REFINED BASED ON USER FEEDBACK

Clear questions, illustrations, and tips help parents complete the questionnaires quickly and accurately.

FINE MOTOR

	YES	SOMETIMES	NOT YET	
1. Is your baby's hand usually tightly closed when he is awake? (If your baby used to do this but no longer does, mark "yes.")	○	○	○	___
2. Does your baby grasp your finger if you touch the palm of her hand?	○	○	○	___
3. When you put a toy in his hand, does your baby hold it in his hand briefly?	○	○	○	___
4. Does your baby touch her face with her hands?	○	○	○	___
5. Does your baby hold his hands open or partly open (rather than in fists, as they were when he was a newborn)?	○	○	○	___*
6. Does your baby grab or scratch at her clothes?	○	○	○	___

FINE MOTOR TOTAL ___

*If Fine Motor item 5 is marked "yes," mark Fine Motor item 1 as "yes."

STEP 2: SCORE

Professionals score in just 2–3 minutes.

Step 3: Get the results

- Review child's scores and compare to standardized cutoffs on Information Summary page
- Interpret results
- Determine follow-up actions, if needed

STEP 3: GET THE RESULTS

Copy the child's scores to the grid.

One or more scores in the dark shaded zone indicates the child may need further assessment.

Scores outside the shaded zone mean the child is doing well in these areas.

NEW MONITORING ZONE IN ASQ-3!

When scores fall in the light shaded zone, schedule the next screening and provide learning activities.

Area	Cutoff	Total Score	0	5	10	15	20	25	30	35	40	45	50	55	60
Communication	22.77														
Gross Motor	44.84														
Fine Motor	30.16														
Problem Solving	24.62														
Personal-Social	33.71														

NEW

ASQ-3™ Product Features

The ASQ-3™ Age Intervals

21 Questionnaire intervals:

- 2, 4, 6, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24 months (spaced 2 months apart)

- 27, 30, 33, 36 months (spaced 3 months apart)

- 42, 48, 54, 60 months (spaced 6 months apart)

Corrected date of birth used for children born more than 3 weeks premature for up to 2 years of age

ASQ-3™ Age Calculator (www.agesandstages.com/age-calculator/) helps select correct interval

Elements of ASQ-3™: Areas & Questions

- 5 developmental areas (Communication, Gross Motor, Fine Motor, Problem Solving, Personal-Social)

- 6 questions in each area

- Questions are in hierarchical order

- Questions #5 and #6 are <u>average skills</u> for children of that age interval

  - i.e., a 12-month skill for a 12-month child, not a 16-month skill for a 12-month-old

- Response options: *Yes, Sometimes, Not Yet*

- Written at 4th- to 5th-grade reading level

Sample 16 Month—cover sheet

Sample 16 Month—two areas

Elements of ASQ-3™: Overall Section

- This is an un-scored section

- Looks at quality of skills (e.g., speech)
  - Example: "Does your baby use both hands equally well?"
    - "No" response indicates possible cerebral palsy. Important to follow up.
  - Example: "Concerns about vision?"
    - "Yes" response could mean a possible vision problem. Important to follow up.

- Parent concerns are very predictive

- Any concerns or questionable responses require follow-up

Sample 16 Month—overall section

ASQ 16 Month Questionnaire page 5 of 6

OVERALL (continued)

2. Do you think your child talks like other toddlers his age? If no, explain: ● YES ○ NO

3. Can you understand most of what your child says? If no, explain: ● YES ○ NO

4. Do you think your child walks, runs, and climbs like other toddlers her age? If no, explain: ● YES ○ NO

5. Does either parent have a family history of childhood deafness or hearing impairment? If yes, explain: ○ YES ● NO

6. Do you have concerns about your child's vision? If yes, explain: ○ YES ● NO

7. Has your child had any medical problems in the last several months? If yes, explain: ○ YES ● NO

Elements of ASQ-3™: Information Summary

- Each ASQ-3 interval has its own unique summary sheet

- "Window of administration" at the top

- Each summary sheet has the following sections:

  - Child/family information

  - Bar graph with cutoffs and total scores

  - Section for recording Overall responses

  - Section for noting follow-up action to be taken

  - Optional section: Individual item responses (records the responses for all items in one small box, eliminating need to look back at the pages of the questionnaire for answers to individual items)

Sample 16 Month Q—Information Summary

Scoring ASQ-3™

- Yes = 10 points, Sometimes = 5 points, Not Yet = 0 points
- Transfer scores to Information Summary page
- Compare child's score in each area to cutoff score; cutoff scores based on empirical research

➢ Scores falling in the white area indicate the child is developing typically

➢ Scores falling in the gray area mean the child should be monitored and another screening may be desirable in a few months (1 -2 SD below the mean)

➢ Scores falling in the black area mean the child may be at risk for developmental delays and should be referred for further assessment (2 SD below mean)

Area	Cutoff	Total Score	0	5	10	15	20	25	30	35	40	45	50	55	60
Communication	22.77														
Gross Motor	44.84														
Fine Motor	30.16														
Problem Solving	24.62														
Personal-Social	33.71														

Validity and Reliability

- New standardization – based on 18,572 questionnaires for 15,138 children (an exceptionally large standardization sample)
- The sample mirrors the demographic mix of the U.S. population and includes underserved populations and children of all socioeconomic statuses
- The strong technical data improved even further with 3rd edition
  - Reliability
    - Test-retest: 0.92 (excellent)
    - Inter-rater: 0.93 (excellent)
  - Validity: 0.82 to 0.88 (excellent)
  - Sensitivity: 0.86 (excellent)
  - Specificity: 0.85 (excellent)

  (Note the cutoffs generated from this standardization are working well in use of the ASQ-3™ around the world.)

ASQ-3™ and Children with Autism

- Children with autism were included in the normative sample

- ASQ-3™ reliably picks up delays associated with autism and identifies children who should receive further evaluation

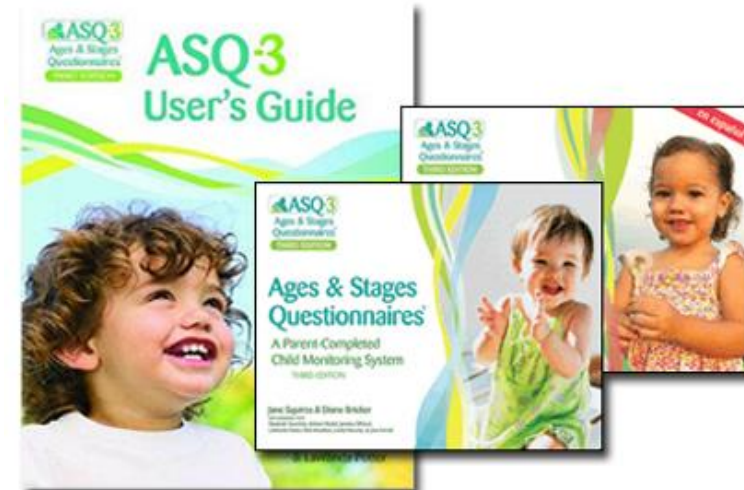- Relevant items – Overall questions elicit parent concerns

Sample Overall questions:

Do you have any concerns about your child's behavior? If yes, explain.	Does anything about your child worry you? If yes, explain.

ASQ-3™ Starter Kit
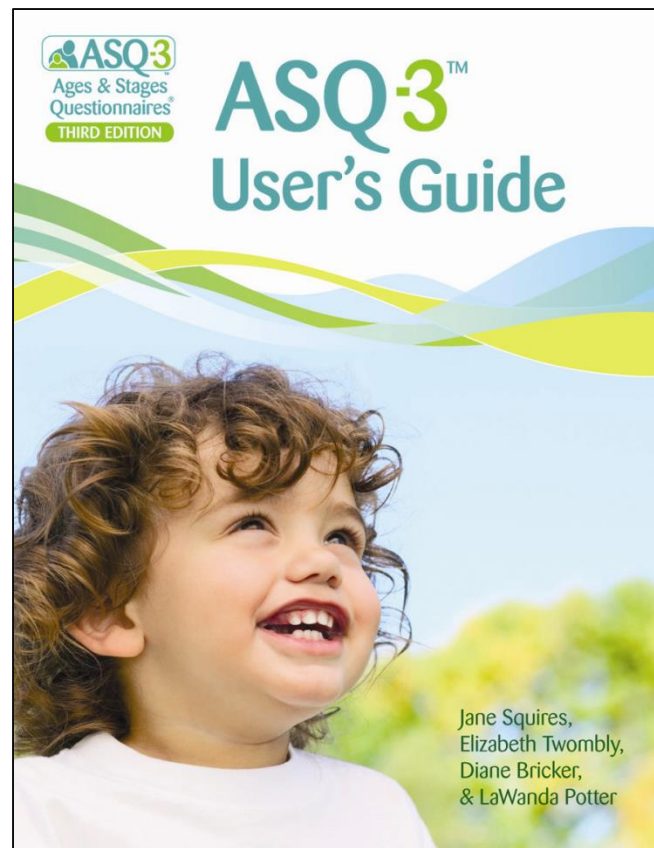
- Includes the
  - User's Guide
  - Set of Questionnaires
  - Quick Start Guide

  - With English Questionnaires
    US $295.00
  - With Spanish Questionnaires
    US $295.00
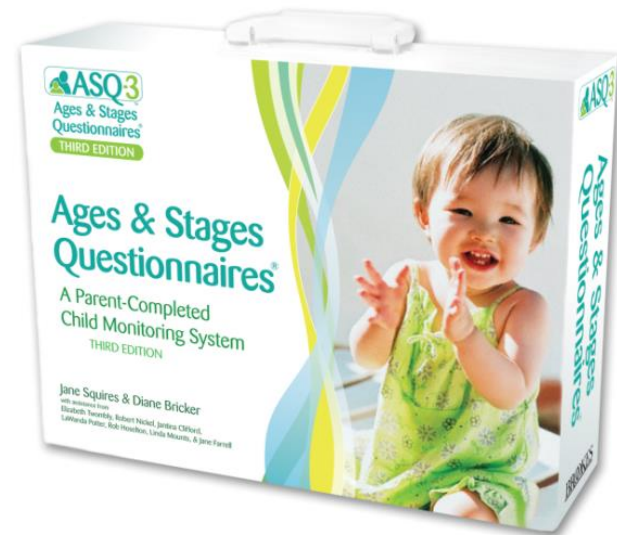
ASQ-3™ User's Guide

- Complete how-to instructions

- Strategies for a wide variety of settings and for working effectively with families

- Technical Report

- Intervention Activities

US $55.00

ASQ-3™ Questionnaires

- Sturdy, user-friendly box with handle
- Questionnaires on paper and CD-ROM in one convenient package
- Supplemental materials
  - Parent Conference Sheet
  - Child Monitoring Sheet
- Tabbed dividers

English—**US $240.00**

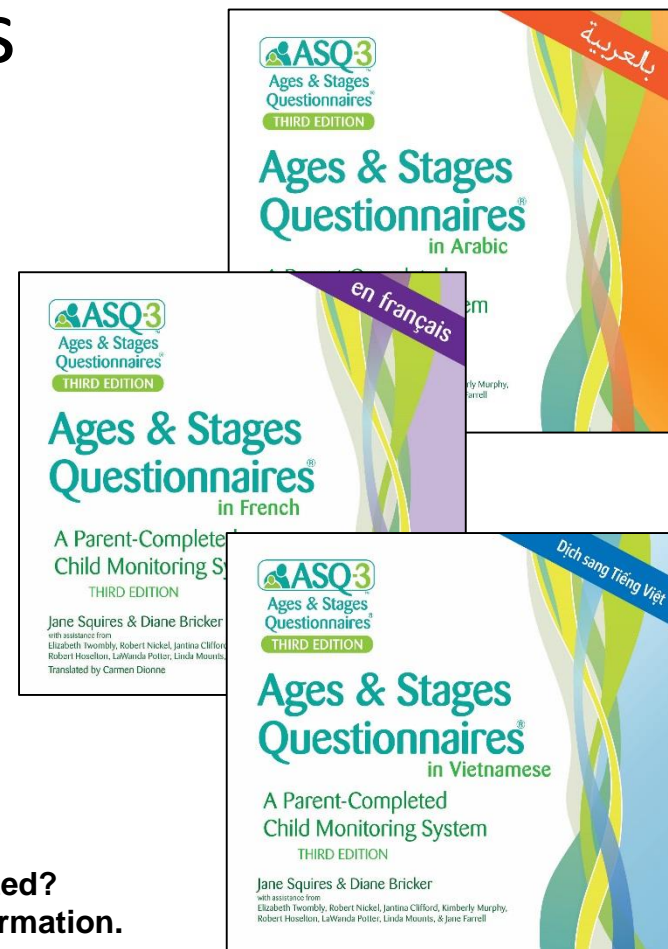Spanish—**US $240.00**

Additional Translations

- Questionnaires on CD-ROM

- Supplemental materials
  - Parent Conference Sheet
  - Child Monitoring Sheet

Arabic	**US $175.00**
French	**US $175.00**
Vietnamese	**US $175.00**

**Want to inquire about translations or languages not listed?
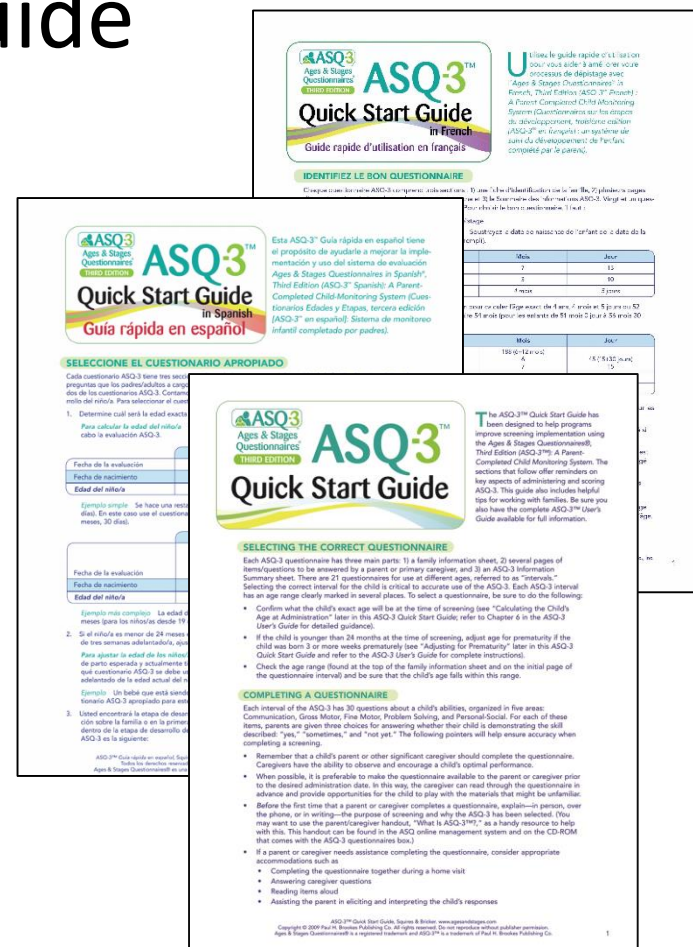Visit www.agesandstages.com/languages for more information.**

ASQ-3™ Quick Start Guide

- 4-page laminated guide – durable, easy to use, quick to find
- Developed in response to user feedback
- Provides key, on-the-spot information
  - Selecting the correct questionnaire
  - Calculating age
  - Adjusting scores when item responses are missing
- Helps programs improve screening implementation
- Economical, sold in package of 5

English **US $30.00**
Spanish **US $30.00**
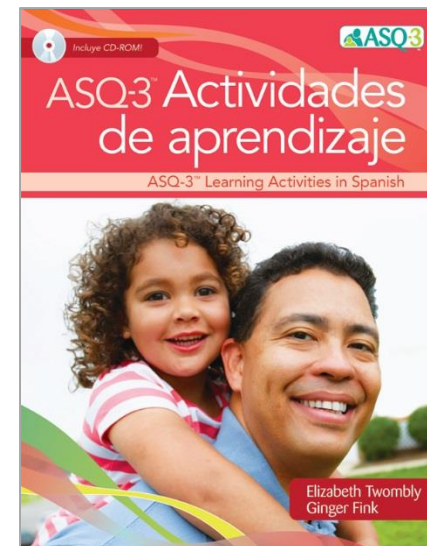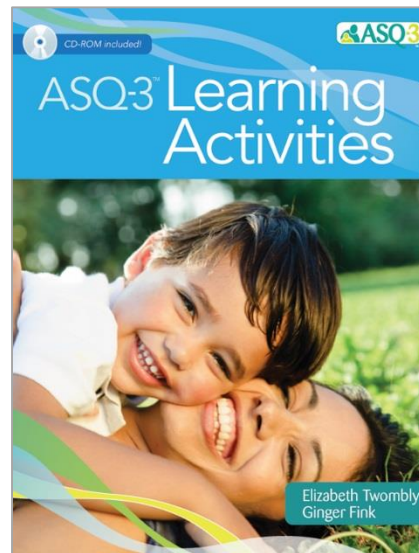French **US $30.00**

ASQ-3™ Learning Activities

- More than 400 fun and effective activities to share with parents

- Includes CD-ROM with printable activities

    – English
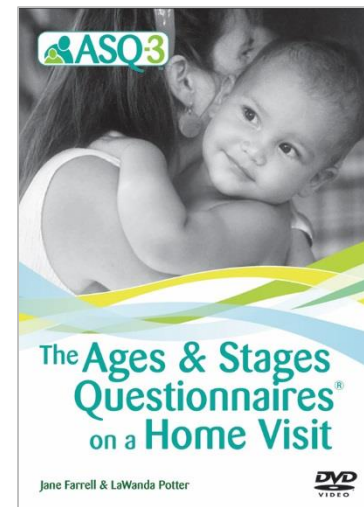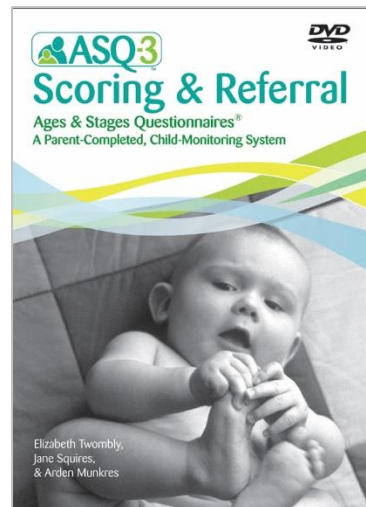**US $49.95**
    – Spanish
US $49.95

ASQ Training DVDs

ASQ-3™ Scoring and Referral

$49.95 | 2009 | 25 minutes

The Ages & Stages Questionnaires® on a Home Visit

$49.95 | 2007 | 20 minutes

ASQ-3™ Materials Kit

- Convenient access to items needed for ASQ-3™ screenings

- Includes sturdy totebag and instruction booklet

- See list of included items at www.agesandstages.com

US $295.00

ASQ Online

- Web-based management and questionnaire completion system; available 24/7

- Automates scoring for accuracy and time savings

- Easy reporting; numerous built-in reports

- Sample letters, forms, and other templates that are easily customizable

- Import/Export functionality

- API functionality to transfer ASQ data to another data management system

ASQ Pro & ASQ Enterprise

- Sold as a subscription product with annual renewals and annual charges for screens used

- ASQ Pro account for single-site programs

- ASQ Enterprise account for multi-site programs

- See videos and pricing at www.agesandstages.com

ASQ Family Access

- Online completion for parents via a secure, customizable URL

- Add-on subscription to ASQ Pro or ASQ Enterprise

- See videos and pricing at www.agesandstages.com

Brookes On Location Training

- On-site seminars from ASQ-3™ experts
- Seminars for all levels of users
    - Introductory seminar
    - Comprehensive seminar
    - Training of Training seminar
    - Combo trainings for ASQ-3™ and ASQ:SE-2™ also available

Visit www.brookesonlocation.com to learn more

ASQ-3™ & ASQ:SE-2™ Training of Trainers Institute

- Held annually in large U.S. city center
- 3-day training from ASQ-3™ experts

Visit http://bit.ly/ASQinstitute to learn more

Questions?

Visit http://agesandstages.com/contact-us/
to contact your sales representative.